

# NetIQ® AppManager® for Lotus Domino

## Management Guide

April 2010



## Legal Notice

NetIQ AppManager is covered by United States Patent No(s): 05829001, 05986653, 05999178, 06078324, 06397359, 06408335.

THIS DOCUMENT AND THE SOFTWARE DESCRIBED IN THIS DOCUMENT ARE FURNISHED UNDER AND ARE SUBJECT TO THE TERMS OF A LICENSE AGREEMENT OR A NON-DISCLOSURE AGREEMENT. EXCEPT AS EXPRESSLY SET FORTH IN SUCH LICENSE AGREEMENT OR NON-DISCLOSURE AGREEMENT, NETIQ CORPORATION PROVIDES THIS DOCUMENT AND THE SOFTWARE DESCRIBED IN THIS DOCUMENT "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SOME STATES DO NOT ALLOW DISCLAIMERS OF EXPRESS OR IMPLIED WARRANTIES IN CERTAIN TRANSACTIONS; THEREFORE, THIS STATEMENT MAY NOT APPLY TO YOU.

This document and the software described in this document may not be lent, sold, or given away without the prior written permission of NetIQ Corporation, except as otherwise permitted by law. Except as expressly set forth in such license agreement or non-disclosure agreement, no part of this document or the software described in this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, or otherwise, without the prior written consent of NetIQ Corporation. Some companies, names, and data in this document are used for illustration purposes and may not represent real companies, individuals, or data.

This document could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein. These changes may be incorporated in new editions of this document. NetIQ Corporation may make improvements in or changes to the software described in this document at any time.

© 2010 NetIQ Corporation. All rights reserved.

U.S. Government Restricted Rights: If the software and documentation are being acquired by or on behalf of the U.S. Government or by a U.S. Government prime contractor or subcontractor (at any tier), in accordance with 48 C.F.R. 227.7202-4 (for Department of Defense (DOD) acquisitions) and 48 C.F.R. 2.101 and 12.212 (for non-DOD acquisitions), the government's rights in the software and documentation, including its rights to use, modify, reproduce, release, perform, display or disclose the software or documentation, will be subject in all respects to the commercial license rights and restrictions provided in the license agreement.

Check Point, FireWall-1, VPN-1, Provider-1, and SiteManager-1 are trademarks or registered trademarks of Check Point Software Technologies Ltd.

ActiveAudit, ActiveView, Aegis, AppManager, Change Administrator, Change Guardian, Compliance Suite, the cube logo design, Directory and Resource Administrator, Directory Security Administrator, Domain Migration Administrator, Exchange Administrator, File Security Administrator, Group Policy Administrator, Group Policy Guardian, Group Policy Suite, IntelliPolicy, Knowledge Scripts, NetConnect, NetIQ, the NetIQ logo, PSAudit, PSDetect, PSPasswordManager, PSSecure, Secure Configuration Manager, Security Administration Suite, Security Manager, Server Consolidator, VigilEnt, and Vivinet are trademarks or registered trademarks of NetIQ Corporation or its subsidiaries in the USA. All other company and product names mentioned are used only for identification purposes and may be trademarks or registered trademarks of their respective companies.

For purposes of clarity, any module, adapter or other similar material ("Module") is licensed under the terms and conditions of the End User License Agreement for the applicable version of the NetIQ product or software to which it relates or interoperates with, and by accessing, copying or using a Module you agree to be bound by such terms. If you do not agree to the terms of the End User License Agreement you are not authorized to use, access or copy a Module and you must destroy all copies of the Module and contact NetIQ for further instructions.

---

# Contents

<b>Chapter 1</b>	
<b>Introducing AppManager for Lotus Domino</b>	<b>1</b>
<b>Chapter 2</b>	
<b>Installing AppManager for Lotus Domino</b>	<b>1</b>
System Requirements.....	1
Preinstallation Considerations .....	2
Permissions for Running Knowledge Scripts.....	2
Installing the Module .....	2
Deploying the Module with Control Center.....	3
Verifying Your Installed Module .....	4
Propagating Knowledge Script Changes.....	4
Configuring AppManager for Lotus Domino.....	5
Accessing and Viewing the netiq.nsf Database .....	6
<b>Chapter 3</b>	
<b>Domino Knowledge Scripts</b>	<b>7</b>
Connectivity.....	9
ConsoleCommand .....	12
CPUUtil.....	14
DbACLChanged.....	16
DBCACHEHit .....	18
DBDocNumber.....	20
DBReplicating.....	22
DBSizes .....	24
DBWhiteSpace .....	26
GetStat .....	28
HTTPAccessStat .....	30
InetPortCheck.....	32
LogSniff.....	34
MailThruput .....	36
MemBusy .....	39
NetworkBusy.....	41
NotesMailStats .....	43
OldestDocInDB.....	46
OpenDBResponseTime.....	48
ReplicationTime .....	50
Report_Connectivity .....	52
Report_DatabaseSize .....	54
Report_MailThroughputDeadMails.....	57
Report_MailThroughputFailureMail .....	60
Report_MailThroughputPendingMails.....	63
Report_MailThroughputRoutedMail.....	66
Report_MailThruputDeliveredMail.....	69
Report_ServerDown .....	72

Report_ServerUpTime .....	74
Report_TopNDatabases .....	76
Report_UserSessions .....	77
ServerAvailability .....	80
ServerDown .....	82
SMTPConnectivity .....	84
TaskAvailability.....	87
TaskDown .....	90
TopNAccessDbs.....	92
TopNDatabases.....	94
TopNMailDatabases .....	96
TopNUnUsedDBs .....	98
TopNUsers.....	100
UserSessions .....	102
Discovery_Domino.....	104

---

# About this Book and the Library

The NetIQ AppManager product (AppManager) is a comprehensive solution for managing, diagnosing, and analyzing performance, availability, and health for a broad spectrum of operating environments, applications, services, and server hardware.

AppManager provides system administrators with a central, easy-to-use console to view critical server and application resources across the enterprise. With AppManager, administrative staff can monitor computer and application resources, check for potential problems, initiate responsive actions, automate routine tasks, and gather performance data for real-time and historical reporting and analysis.

## Intended Audience

This guide provides information for individuals responsible for installing an AppManager module and monitoring specific applications with AppManager.

## Other Information in the Library

The library provides the following information resources:

### **Installation Guide for AppManager**

Provides complete information about AppManager pre-installation requirements and step-by-step installation procedures for all AppManager components.

### **User Guide for AppManager Control Center**

Provides complete information about managing groups of computers, including running jobs, responding to events, creating reports, and working with Control Center. A separate guide is available for the AppManager Operator Console.

### **Administrator Guide for AppManager**

Provides information about maintaining an AppManager management site, managing security, using scripts to handle AppManager tasks, and leveraging advanced configuration options.

### **Upgrade and Migration Guide for AppManager**

Provides complete information about how to upgrade from a previous version of AppManager.

### **Management guides**

Provide information about installing and monitoring specific applications with AppManager.

### **Help**

Provides context-sensitive information and step-by-step guidance for common tasks, as well as definitions for each field on each window.

The AppManager library is available in Adobe Acrobat (PDF) format from the NetIQ Web site: [www.netiq.com/support/am/extended/documentation/default.asp?version=AMDocumentation](http://www.netiq.com/support/am/extended/documentation/default.asp?version=AMDocumentation).

## Conventions

The library uses consistent conventions to help you identify items throughout the documentation. The following table summarizes these conventions.

Convention	Use
<b>Bold</b>	<ul style="list-style-type: none"><li>• Window and menu items</li><li>• Technical terms, when introduced</li></ul>
<i>Italics</i>	<ul style="list-style-type: none"><li>• Book and CD-ROM titles</li><li>• Variable names and values</li><li>• Emphasized words</li></ul>
Fixed Font	<ul style="list-style-type: none"><li>• File and folder names</li><li>• Commands and code examples</li><li>• Text you must type</li><li>• Text (output) displayed in the command-line interface</li></ul>
Brackets, such as <i>[value]</i>	<ul style="list-style-type: none"><li>• Optional parameters of a command</li></ul>
Braces, such as <i>{value}</i>	<ul style="list-style-type: none"><li>• Required parameters of a command</li></ul>
Logical OR, such as <i>value1 value2</i>	<ul style="list-style-type: none"><li>• Exclusive parameters. Choose one parameter.</li></ul>

---

# About NetIQ Corporation

NetIQ, an Attachmate business, is a global leader in systems and security management. With more than 12,000 customers in over 60 countries, NetIQ solutions maximize technology investments and enable IT process improvements to achieve measureable cost savings. The company's portfolio includes award-winning management products for IT Process Automation, Systems Management, Security Management, Configuration Audit and Control, Enterprise Administration, and Unified Communications Management. For more information, please visit [www.netiq.com](http://www.netiq.com).

## Contacting Sales Support

For questions about products, pricing, and capabilities, please contact your local partner. If you cannot contact your partner, please contact our Sales Support team.

**Worldwide:** [www.netiq.com/about\\_netiq/officelocations.asp](http://www.netiq.com/about_netiq/officelocations.asp)  
**United States and Canada:** 888-323-6768  
**Email:** [info@netiq.com](mailto:info@netiq.com)  
**Web Site:** [www.netiq.com](http://www.netiq.com)

## Contacting Technical Support

For specific product issues, please contact our Technical Support team.

**Worldwide:** [www.netiq.com/Support/contactinfo.asp](http://www.netiq.com/Support/contactinfo.asp)  
**North and South America:** 1-713-418-5555  
**Europe, Middle East, and Africa:** +353 (0) 91-782 677  
**Email:** [support@netiq.com](mailto:support@netiq.com)  
**Web Site:** [www.netiq.com/support](http://www.netiq.com/support)

## Contacting the Online User Community

Qmunity, the NetIQ online community, is a collaborative network connecting you to your peers and NetIQ experts. By providing more immediate information, useful links to helpful resources, and access to NetIQ experts, Qmunity helps ensure you are mastering the knowledge you need to realize the full potential of IT investments upon which you rely. For more information, please visit <http://community.netiq.com>.





---

## Chapter 1

# Introducing AppManager for Lotus Domino

AppManager for Lotus Domino provides Knowledge Scripts designed to give you a comprehensive view of how the Domino server performs. The capabilities of the Knowledge Scripts in the Domino category include the following:

- Monitoring the status of Domino server and the activities occurring on the Domino server
- Generating reports about the Domino server and about the activities occurring on the Domino server
- Checking the Domino log for errors
- Tracking the number of documents in a Domino database
- Monitoring the size of Domino databases and the percentage of data that is read from the Domino database cache
- Monitoring the percentage of CPU resources used by Domino processes



---

## Chapter 2

# Installing AppManager for Lotus Domino

This chapter provides installation instructions and describes system requirements for AppManager for Lotus Domino.

This chapter assumes you have AppManager installed. For more information about installing AppManager or about AppManager system requirements, see the *Installation Guide for AppManager*, which is available on the AppManager Documentation Web site: <https://www.netiq.com/support/am/extended/documentation/default.asp>.

## System Requirements

AppManager for Lotus Domino has the following system requirements:

Software/Hardware	Version
NetIQ AppManager installed on the AppManager repository (QDB) computers, on the Lotus Domino computers you want to monitor (agents), and on all console computers	7.0, at minimum For support of Windows Server 2008, hotfix 71704 is required. For more information, see the <a href="#">AppManager Suite Hotfixes</a> Web page.
Microsoft Windows operating system on agent computers	One of the following: <ul style="list-style-type: none"><li>• 32- or 64-bit Windows Server 2008, Standard and Enterprise Editions with SP2</li><li>• 32- or 64-bit Windows Server 2003, Standard and Enterprise Editions with SP2, including R2</li></ul>
AppManager for Microsoft Windows module installed on repository, agent, and console computers	The most recent version, for support of Windows Server 2008. For more information, see the <a href="#">AppManager Module Upgrades &amp; Trials</a> Web page.
Lotus Domino on agent computers	One of the following: <ul style="list-style-type: none"><li>• 32-bit 8.0.1 or 8.5 for 32-bit Windows Servers</li><li>• 32-bit or 64-bit 8.0.1 or 8.5 for 64-bit Windows Servers</li></ul>

For the latest information about supported software versions and the availability of module updates, visit the AppManager Supported Products page at [www.netiq.com/support/am/supportedproducts/default.asp](http://www.netiq.com/support/am/supportedproducts/default.asp). If you encounter problems using this module with a later version of your application, contact NetIQ Technical Support.

For more information about system requirements for the AppManager agent, repository, and management server, see the *Installation Guide for AppManager*.

# Preinstallation Considerations

If you are installing the latest version of AppManager for Lotus Domino on a server on which a previous version is already installed, follow normal unloading procedures to unload `nnetiq.exe` from the Domino server. For example, run the following command from a Domino server, or unload the task from the Administrator client:

```
tell nnetiq quit
```

## Permissions for Running Knowledge Scripts

To run the Knowledge Scripts in the Domino category, the AppManager agent needs certain secure permissions. The account under which the agent services (`NetIQmc` and `NetIQccm`) are running must have the following permissions on each monitored Domino server:

- Ability to log on as a service.
- Membership in the Domain Admin group.

The agent services must run under a Windows user account, such as **Domain Admin**, with these permissions. Agent installation directs you to use the Windows Local System account for these services by default. You can change the account under which the agent services are currently running.

### To update the agent services:

1. Navigate to the Control Panel, double-click **Administrative Tools**, and then double-click **Services**.
2. Right-click the **NetIQ AppManager Client Communication Manager** (`netiqccm`) service in the list of services, and select **Properties**.
3. On the Logon tab, specify the appropriate account to use and then click **OK**.
4. Repeat steps 2 and 3 for the **NetIQ AppManager Client Resource Monitor** (`netiqmc`) service.
5. Restart both services.

## Installing the Module

The setup program automatically identifies and updates all relevant AppManager components on a computer. Therefore, run the setup program only once on any computer. The pre-installation check also runs automatically when you launch the setup program.

You can install the module in one of the following ways:

- Run the module setup program, `AM70-Domino-7.x.x.0.msi`, which you downloaded from the Web. Save the module setup files on the distribution computer, and then delete the older versions of the module setup files. For more information about the distribution computer, see the *Installation Guide for AppManager*.
- Use Control Center to install the module on the remote computer where an agent is installed. For more information, see [“Deploying the Module with Control Center”](#) on page 3.

### To install the module:

1. Run the module setup program on all AppManager repository (QDB) computers to install the Knowledge Scripts and reports.
  - Run the setup program on the primary repository computer first. Then run the setup program on all other repository computers.
  - For repositories running in active/active and active/passive clusters, run the setup program on the active node. Then, copy the following Registry key to the non-active node.

```
HKEY_LOCAL_MACHINE\SOFTWARE\NetIQ\AppManager\4.0
```

2. Install the module on each Domino computer you want to monitor. Use one of the following methods:

- Run the module setup program.
- Use Control Center Console to deploy the installation package.

Installation of the module creates a new service on the agent computer, **NetIQ Domino monitor**, in addition to the NetIQ AppManager Client Communication Manager and NetIQ AppManager Client Resource Monitor services.

3. Run the module setup program on all Operator Console and Control Center computers to install the Help and console extensions.
4. *If you have not already discovered Domino resources*, run the [Domino Knowledge Scripts](#) Knowledge Script on all agent computers where you installed the module.
5. Load `nnetiq.exe`. If you receive an error message indicating that `nnetiq.exe` is not loaded, execute the following command on the Domino server:

```
load nnetiq.exe
```

After the installation has completed, you can find a record of problems encountered in the `Domino_Install.log` file, located in the `\NetIQ\Temp\NetIQ_Debug\<ServerName>` folder.

## Deploying the Module with Control Center

You can use Control Center to deploy the module on a remote computer where an agent is installed. This topic briefly describes the steps involved in deploying a module and provides instructions for checking in the module installation package. For more information, see the *Control Center User Guide for AppManager*, which is available on the AppManager Documentation Web site: <https://www.netiq.com/support/am/extended/documentation/default.asp>.

## Deployment Overview

This section describes the tasks required to deploy the module on an agent computer.

### To deploy the module on an agent computer:

1. Verify the default deployment credentials.
2. Check in an installation package.
3. Configure an email address to receive notification of a deployment.
4. Create a deployment rule or modify an out-of-the-box deployment rule.

5. Approve the deployment task.
6. View the results.

## Checking In the Installation Package

You must check in the installation package, *AM70-Domino-7. x. x. 0. xml* , before you can deploy the module on an agent computer.

**To check in a module installation package:**

1. Log on to Control Center and navigate to the Administration pane.
2. In the Deployment folder, select **Packages**.
3. On the Tasks pane, click **Check in Packages**.
4. Navigate to the folder where you saved *AM70-Domino-7. x. x. 0. xml* and select the file.

## Verifying Your Installed Module

To verify installation on many computers, run the *ReportAM\_CompVersion Knowledge Script*. Ensure you discover a report-enabled agent before running this script. For more information, see the Help for the script.

To verify installation on one or only a few computers, use the Operator Console.

**To verify your installed module with the Operator Console:**

1. In the TreeView pane, select the computer for which you want to verify your installed module.
2. From the TreeView menu, select **Properties**. On the System tab, the System information pane displays the version numbers for all modules installed on the computer.
3. Verify that the version number from the *AppManager for Lotus Domino ReadMe* matches the version number shown in the System information pane.

## Propagating Knowledge Script Changes

This release of AppManager for Lotus Domino may contain updated Knowledge Scripts. You can propagate script changes to jobs that are running and to Knowledge Script Groups, including recommended Knowledge Script Groups.

Before propagating script changes, verify that the script parameters are set to your specifications. Customized script parameters may have reverted to default parameters during the installation of the module. New parameters may need your attention.

You can propagate only properties (specified in the Schedule, Values, Actions, and Advanced tabs), only the script (which is the logic of the Knowledge Script), or both. Unless you know specifically that changes affect only the script logic, you should propagate both properties and the script.

For more information about propagating Knowledge Script changes, see the “Running Monitoring Jobs” chapter of the *AppManager Operator Console User Guide*.

## Propagating Changes to Running Jobs

You can propagate the properties and the logic of a Knowledge Script to running jobs started by that Knowledge Script. Corresponding jobs are stopped and restarted with the Knowledge Script changes.

To propagate changes to running Knowledge Script jobs:

1. In the Knowledge Script pane, select the Knowledge Script for which you want to propagate changes.
2. On the KS menu, select **Properties propagation**, and then select **Ad Hoc Jobs**.
3. Select the components of the Knowledge Script that you want to propagate to associated running jobs:

Select	To propagate
Script	The logic of the Knowledge Script.
Properties	The Knowledge Script properties, including schedule, monitoring values, actions, and advanced options.

4. Click OK.

## Propagating Changes to Knowledge Script Groups

You can propagate the properties and logic of a Knowledge Script to corresponding Knowledge Script Group members.

After you propagate script changes to Knowledge Script Group members, you can propagate the updated Knowledge Script Group members to associated running jobs. For more information, see [“Propagating Changes to Running Jobs”](#) on page 5.

To propagate Knowledge Script changes to Knowledge Script Groups:

1. In the Knowledge Script pane, select the Knowledge Script for which you want to propagate changes.
2. On the KS menu, select **Properties propagation**, and then select **Knowledge Script Group Members**.
3. Select the components of the Knowledge Script that you want to propagate to associated Knowledge Script Groups:

Select	To propagate
Script	The logic of the Knowledge Script.
Properties	The Knowledge Script properties, including schedule, monitoring values, actions, and advanced options.

4. Click OK.

## Configuring AppManager for Lotus Domino

Configure the product using the NetIQ Domino Configuration Program (nqdomconf.exe). The setup program runs nqdomconf.exe automatically if you selected **Yes** to configure the product during installation. If you selected **No**, then run nqdomconf.exe after the installation is complete. You can locate nqdomconf.exe in the \Program Files\NetIQ\AppManager\bin folder.

# Accessing and Viewing the netiq.nsf Database

AppManager for Lotus Domino uses a Domino database named `netiq.nsf` to provide some of its monitoring functionality. AppManager creates this database when `nnetiq.exe` starts based on a version-specific Domino mail template. For example, AppManager uses `mail6.ntf` on Domino R6 and `mail50.ntf` on Domino R5. The `netiq.nsf` database inherits the security settings from the mail template database.

If the administrator cannot view or access the `netiq.nsf` database, change the security settings and re-create the `netiq.nsf` database.

## **To change the security settings and re-create the database:**

1. Adjust the security settings of the mail template database.
2. Delete the `netiq.nsf` database.
3. Stop and restart the `nnetiq.exe` program to re-create the `netiq.nsf` database. The new database inherits the adjusted security settings and should now be accessible.



---

## Chapter 3

# Domino Knowledge Scripts

The Domino category provides Knowledge Scripts for monitoring Lotus Domino servers and Notes mail, including partitioned configurations.

From the Knowledge Script view of Control Center, you can access more information about any NetIQ-supported Knowledge Script by selecting it and clicking **Help**. Or in the Operator Console, click any Knowledge Script in the Knowledge Script pane and press **F1**.

Knowledge Script	What It Does
<a href="#">Connectivity</a>	Monitors mail connectivity between Domino servers.
<a href="#">ConsoleCommand</a>	Issues any Domino server console command.
<a href="#">CPUUtil</a>	Monitors the percentage of CPU resources used by Domino processes.
<a href="#">DbACLChanged</a>	Monitors changes to a database access control list (ACL).
<a href="#">DBCACHEHit</a>	Monitors the percentage of data that is read from the Domino database cache.
<a href="#">DBDocNumber</a>	Tracks the number of documents in a Domino database.
<a href="#">DBReplicating</a>	Monitors the rate of successful replications of a Domino database.
<a href="#">DBSizes</a>	Monitors the size of Domino databases, individually or collectively.
<a href="#">DBWhiteSpace</a>	Monitors the whitespace occupied by Domino databases.
<a href="#">GetStat</a>	Monitors any Domino numerical statistics.
<a href="#">HTTPAccessStat</a>	Monitors the number of HTTP access requests for a Domino server and the size of data transferred from the Domino server to a Web client.
<a href="#">InetPortCheck</a>	Monitors the Internet protocol ports used by the Domino server (Internet task).
<a href="#">LogSniff</a>	Checks the Domino log for specific messages or matching search strings.
<a href="#">MailThruput</a>	Monitors the throughput rate of mail messages that are routed through the Domino server.
<a href="#">MemBusy</a>	Monitors the total memory resources used by all Domino processes.
<a href="#">NetworkBusy</a>	Monitors the data sent and received on every Domino network port.
<a href="#">NotesMailStats</a>	Monitors Notes Mail Server (Mail) statistics on Domino servers.

<b>Knowledge Script</b>	<b>What It Does</b>
<a href="#">OldestDocInDB</a>	Monitors the age of documents in a Domino database message queue.
<a href="#">OpenDBResponseTime</a>	Monitors the amount of time required to open a Domino database.
<a href="#">ReplicationTime</a>	Monitors the status of the most recent database replication between Domino servers.
<a href="#">Report_Connectivity</a>	Generates a report about the connectivity and response time between Domino servers.
<a href="#">Report_DatabaseSize</a>	Generates a report about the size of Domino databases.
<a href="#">Report_MailThroughputDeadMails</a>	Generates a report about the number of dead mail messages stored on the Domino server.
<a href="#">Report_MailThruputDeliveredMail</a>	Generates a report about the number of mail messages delivered to the local Domino server.
<a href="#">Report_MailThroughputFailureMail</a>	Generates a report about the number of mail messages that the Domino server failed to deliver.
<a href="#">Report_MailThroughputPendingMails</a>	Generates a report about the number of mail messages sent to the Domino that have yet to be forwarded to their destinations.
<a href="#">Report_MailThroughputRoutedMail</a>	Generates a report about the number of mail messages sent to remote servers and delivered to the local server.
<a href="#">Report_ServerDown</a>	Generates a report about the availability of the Domino server.
<a href="#">Report_ServerUpTime</a>	Generates a report about the up and down time of Domino servers.
<a href="#">Report_TopNDatabases</a>	Generates a report about the Domino databases that use the most disk space on the Domino server.
<a href="#">Report_UserSessions</a>	Generates a report about the number of concurrent user sessions on the Domino server.
<a href="#">ServerAvailability</a>	Monitors changes in the up/down status of a Domino server.
<a href="#">ServerDown</a>	Checks whether a Domino server is down.
<a href="#">SMTPConnectivity</a>	Monitors SMTP mail connectivity between a Domino server and one or more Internet domains.
<a href="#">TaskAvailability</a>	Monitors the status of Domino, third-party, or user add-in tasks.
<a href="#">TaskDown</a>	Monitors the status of Domino, third-party, and user add-in tasks.
<a href="#">TopNAccessDBs</a>	Monitors the top "n" Domino databases that are most frequently accessed on a Domino server.
<a href="#">TopNDatabases</a>	Monitors the Domino databases that use the most disk space on the Domino server.
<a href="#">TopNMailDatabases</a>	Monitors the disk space used by the top user mail files and mail-in databases on the Domino server.
<a href="#">TopNUnUsedDBs</a>	Monitors the size of databases that are not being used.
<a href="#">TopNUsers</a>	Monitors the top "n" users that accessed the Domino server for the longest amount of time.
<a href="#">UserSessions</a>	Monitors the current number of user sessions open on the Domino server.
<a href="#">Discovery_Domino</a>	Discovers Lotus Domino server configuration and resources, including partitioned servers.

# Connectivity

Use this Knowledge Script to determine whether e-mail can be delivered between Domino servers. This script also tracks the time it takes to receive a response to the test message. This script raises an event if connectivity is down, or if response time exceeds the threshold you specify.

Run this script on the top-level Domino folder in the Operator Console TreeView to test each server's connection to the other servers and to itself, verifying complete connectivity between all Domino servers. When you run this script on one server, the script checks whether the server can send an e-mail to itself and all servers specified on the server list parameter.

## Example of Using this Script

To test connectivity, this Knowledge Script sends a test mail message to each server being tested using a local mail database set up for the computer running the job. If the test message is not delivered, the Knowledge Script raises an event to indicate that the server cannot send mail. If the test message delivered by the "sending" server does not get a reply from each "receiving" server within the reply interval you set, the Knowledge Script raises an event indicating connectivity is down.

Run this script on the top-level Domino folder to test each Domino server's connection to the other servers and to itself, verifying complete connectivity between all Domino servers. If you run this script on one server without specifying a destination list, the script simply checks whether the server can send an e-mail to itself in a loop-back fashion.

---

### Note

To use this script, ensure that the Domino server creates the `neti q. nsf` database in the Domino databases. If you do not find `neti q. nsf` under Domino databases, load `nneti q. exe` on the Domino server. This script uses a special mail-in database for receiving the test messages that verify connectivity.

---

## Performing Periodic Maintenance

You should periodically log in to each Domino server's special NetIQ mail database and mailbox to perform housekeeping, such as removing old mail files. Depending on how frequently you run this script, consider performing these activities weekly or monthly.

## Resource Objects

Domino server icon, Domino Server folder

## Default Schedule

The default interval is **once every hour**.

If your Domino servers rely on a remote WAN or LAN service (such as RAS) or a dial-up modem that is not always connected, consider setting up server group folders to separate Domino servers into different groups. Then set the schedule interval for this script to run on each folder based on each group's connection schedule.

For example, consider creating one server group for your always-connected servers and a separate folder for offhours RAS connections and create two different sets of jobs with different schedules, frequently for your connected network and once a day or based on the scheduled connection time for the remote access servers.

For more information about setting up server groups, see the *User Guide for AppManager*.

---

**Note**

You cannot choose the Run once schedule for this script, which requires at least two job iterations to return useful data.

---

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
List of Domino servers to test connectivity from this server	Provide a list of destination Domino servers for connectivity testing separated by commas. Specify at least one server. For example: DEV01@LAB01, SALES@LAB02
Threshold - Maximum response time	Specify the maximum number of seconds from the time the test message is sent out until a reply should be received. If a reply to the test message is not received within this interval, an event is raised. The default is 120 seconds.
<b>Data Collection</b>	
Collect data for connectivity (%) and response time (seconds)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns 100 if the connection is successful and 0 if the connection failed. The default is unselected.
<b>Event Notification</b>	
Raise event if response time exceeds threshold?	Select <b>Yes</b> to raise an event if the amount of response time exceeds the threshold you set. The default is Yes.
Event severity level when response time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the amount of response time exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
Raise event if nnetiq task unreachable?	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Consider using the ServerDown Knowledge Script to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable. The default is 5.

Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# ConsoleCommand

Use this Knowledge Script to issue any Domino server console command. This script raises an event if the command returns an output and displays the output of the command in the event details.

## Resource Object

Domino server

## Default Schedule

The default interval is every 30 minutes.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Domino console command to execute	Specify the console command you want to execute. The default is Show task.
<b>Data Collection</b>	
Collect data for command success (%)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the percentage of successful commands. The default is unselected.
<b>Event Notification</b>	
Raise event to return command results?	Select <b>Yes</b> to raise an event to return command results. The default is Yes.
Event severity level for command results	Set the event severity level, from 1 to 40, to indicate the importance of an event in which command results are returned. The default is 25.
<b>Data Acquisition Problems</b>	
Raise event if nnetiq task unreachable?	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. You should use the <a href="#">ServerDown</a> Knowledge Script to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is unavailable for other reasons such as a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is unavailable for other reasons. The default is 5.

Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# CPUUtil

Use this Knowledge Script to monitor the percentage of CPU resources used by Domino processes, including the Domino server and all additional task processes. This script raises an event if CPU usage exceeds the threshold you set.

## Resource Object

Domino server

## Default Schedule

The default interval is **every 10 minutes**.

---

### Note

You cannot choose the Run once schedule for this script, which requires at least two job iterations to return useful data.

---

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Maximum Domino CPU usage	Specify the maximum percentage of CPU that all Domino processes can use before an event is raised. The default is 70%.
<b>Data Collection</b>	
Collect data for Domino CPU usage?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns CPU usage as a percentage for the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if Domino CPU usage exceeds threshold?</b>	Select <b>Yes</b> to raise an event if CPU usage for all Domino processes exceeds the threshold you set. The default is Yes.
Event severity level when Domino CPU usage exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which CPU usage for all Domino processes exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use the <a href="#">ServerDown</a> Knowledge Script to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is unavailable for other reasons, such as a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.



Description	How To Set It
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed. If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.</p>

# DbACLChanged

Use this Knowledge Script to monitor changes to a database access control list (ACL). This script raises an event if the ACL changed during the last number of minutes you specify.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
List of databases to monitor	Specify the names of the databases you want to monitor, separating multiple names with commas. The default is the names. nsf database.
Number of previous minutes to check	Specify the number of previous minutes to check for changes to the ACL. The default is 60 minutes.
Monitor since last interval? (ignore 'Number of previous minutes to check')	Select <b>Yes</b> to check for the changes to the ACL that have been added since the last interval. If set to Yes, the value specified in the <i>Number of previous minutes to check</i> parameter is ignored. The default is unselected.
<b>Data Collection</b>	
Collect data for number of changed ACLs?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number changes that occurred in the ACL during the period you specified. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if database ACLs changed?</b>	Select <b>Yes</b> to raise an event if a database ACL has been changed. The default is unselected.
Event severity level if database ACLs changed	Set the event severity level, from 1 to 40, to indicate the importance of an event in which changes to the ACL have occurred. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. You should use the <a href="#">ServerDown</a> Knowledge Script to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is unavailable for other reasons, such as a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.

Description	How To Set It
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# DBCACHEHit

Use this Knowledge Script to monitor the percentage of data read from the Domino database cache. Because retrieving data from the database cache is typically faster and more efficient than accessing database tables directly, this script provides a good indicator of database performance.

## Resource Object

Database folder (top-level)

## Default Schedule

The default interval is every 30 minutes.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Minimum database cache hit rate	Specify the minimum percentage of data that should be read from the Domino database cache. Ideally, this percentage should be set relatively high, because the more frequently Domino uses the data cache, the better your database performance. This script raises an event when the percentage of cache data accessed falls below the threshold you set. The default is 50%.
<b>Data Collection</b>	
Collect data for database cache hit rate (%)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the rate at which the database cache was accessed during the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if database cache hit rate falls below threshold?</b>	Select <b>Yes</b> to raise an event if the database cache access rate falls below the threshold you set. The default is Yes.
Event severity level when database cache hit rate falls below threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the database cache access rate falls below the threshold you set. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. You should use the <a href="#">ServerDown</a> Knowledge Script to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is unavailable for other reasons, such as a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.

Description	How To Set It
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# DBDocNumber

Use this Knowledge Script to monitor the number of documents in a Domino database. This script raises an event if the number of documents exceeds the threshold you set.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Name of database to monitor	Specify the name of the database you want to monitor. The default is <code>log.nsf</code> .
View name or formula for monitored database	Specify the database view name or selection formula to use. The default is <code>SELECT FORM = " "Events" "</code> to filter on event documents. To use a view name instead, type <code>VIEW = " "name" "</code> .
Threshold - Maximum number of documents	Specify the maximum number of documents that can be in the database before an event is raised. The default is 1000 documents.
<b>Data Collection</b>	
Collect data for number of documents in database?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of documents in the database during the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if number of documents exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the number of documents in the database exceeds the threshold you set. The default is Yes.
Event severity level when number of documents exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of documents in the database exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. You should use the <a href="#">ServerDown</a> Knowledge Script to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is unavailable for other reasons, such as a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.

Description	How To Set It
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# DBReplicating

Use this Knowledge Script to monitor the rate of successful replications of a Domino database. This script raises an event if the percentage of successful replications falls below the threshold you set, or if statistics are not available.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every hour**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Minimum successful replication	Specify the minimum percentage of database replications that should be successful to prevent an event from being raised. The default is 75%.
<b>Data Collection</b>	
Collect data for successful replication (%)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the percentage of successful replications for the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if successful replication rate falls below threshold?</b>	Select <b>Yes</b> to raise an event if the percentage of successful database replications falls below the threshold you set. The default is Yes.
Event severity level if successful replication rate falls below threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the percentage of successful replications falls below the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.



Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# DBSizes

Use this Knowledge Script to monitor the size of Domino databases. Run this script on an individual database to monitor the size of that database. Run this script on a database folder to monitor the size of each database in the folder and the total size of all databases together. This script raises an event if the individual database size or total database size exceeds the threshold you set.

## Resource Objects

Database icons, Database folder

## Default Schedule

The default interval is **once every hour**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Maximum total databases size	Specify the maximum file size that all databases can attain before an event is raised. The default is 1000 MB.
Threshold - Maximum individual database size	Specify the maximum file size that individual databases can attain before an event is raised. The default is 50 MB.
<b>Use file specification for the list of databases to monitor?</b>	Select <b>Yes</b> to specify the list of databases you are monitoring.
Full path to files for each server with list of databases	Provide the full path to the file name that contains the database names you are monitoring. For example: <HKLM\SOFTWARE\NetI O\AppManager\4. 0\Instal l Path>\Di sc overy_<SERVER>. txt <b>Note</b> Each database name must be mentioned in a separate line in the text file.
<b>Data Collection</b>	
Collect data for total size of all databases (MB)?	Select <b>Yes</b> to collect the total file size for all databases you are monitoring. The default is unselected.
Collect data for size of each database (MB)?	Select <b>Yes</b> to collect the file size for each monitored database. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if total size of all databases exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the total size of all databases exceeds the threshold you set. The default is Yes.
Event severity level when total size of all databases exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the size of all databases exceeds the threshold. The default is 5.
<b>Raise event if size of individual databases exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the size of an individual database exceeds the threshold you set. The default is Yes.

Description	How To Set It
Event severity level when size of individual databases exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the size of an individual databases exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# DBWhiteSpace

Use this Knowledge Script to monitor the whitespace occupied by Domino databases. Database whitespace is disk space that the operating system allots to Domino but which Domino does not use. This script raises an event if the amount of whitespace and percentage of whitespace exceed the thresholds you set. You can choose to automatically initiate database compaction.

## Resource Objects

Database icons, Database folder

## Default Schedule

The default interval is **once every hour**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Maximum whitespace size	Specify the maximum amount of whitespace that a Domino database can occupy before an event is raised. The default is 50 MB.
Threshold - Maximum whitespace percentage	Specify the maximum percentage of whitespace that can be allocated to a Domino database before an event is raised. The default is 10%.
<b>Use file specification for the list of databases to monitor?</b>	Select <b>Yes</b> to specify a full path to the list of databases you want to monitor.
Full path to files for each server with list of databases	Provide the full path to the file that contains the database names you want to monitor. For example: <HKLM\SOFTWARE\NetI O\AppManager\4. 0\Instal l Path>\Di sc overy_<SERVER>. txt <b>Note</b> Mention each database name in a separate line in the text file.
<b>Data Collection</b>	
Collect data for whitespace size and percentage?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the size (in MB) and percentage of whitespace. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if whitespace exceeds both size and percent thresholds?</b>	Select <b>Yes</b> to raise an event if whitespace size and whitespace percentage exceed the thresholds you set. The default is Yes.
Event severity level when whitespace exceeds both size and percent thresholds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which whitespace size and percentage exceeds the thresholds. The default is 5.
<b>Raise event if error occurs during database compaction?</b>	Select <b>Yes</b> to raise an event if an error occurs during database compaction. The default is Yes.
Event severity level when error occurs during database compaction	Set the event severity level, from 1 to 40, to indicate the importance of an event in which an error occurs during database compaction. The default is 5.
<b>Operations</b>	

Description	How To Set It
Compact database if whitespace exceeds both size and percent thresholds?	Select <b>Yes</b> to automatically compact the database to free up disk space when whitespace exceeds both the size and percentage thresholds. The default is unselected.
Maximum wait time for all database compactions	Specify the maximum number of minutes this script waits for applicable database compactions to occur. If sufficient time is not allowed, only some of the database compactions may occur.  For this reason, you can choose not to automatically compact databases. Instead, when events indicate you should implement compaction, run this script on individual databases.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status.  The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors.  The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.  Note that "average" and "minimum" data values are subsequently skewed.  If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.  <b>Note</b> Function is applied to all Data Collection parameters.  The default is unselected.
Threshold - Maximum wait time for server response	Specify the maximum number of seconds this script waits for a response from the Domino Server nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.  <b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.  The default is 60 seconds.

# GetStat

Use this Knowledge Script to monitor Domino numerical statistics. You can specify a threshold value for any statistics you are monitoring. You cannot use this script to monitor statistics that return string or list data.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every hour**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Domino statistic name to monitor	Provide the name of a Domino statistic that returns numerical data. For example <code>Server.Sessi ons.Dropped</code> . To get a list of statistics names, from a Domino client open the <code>events4.nsf</code> database and look under Names and Messages. Click <b>Statistic Names</b> . The default statistic is <code>Server.Tasks</code> .
Threshold - Maximum statistic value	Specify the maximum value that can be returned by a monitored statistic before an event is raised. The default is 1000.
<b>Data Collection</b>	
Collect data for numerical statistic value?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the value of the monitored statistic. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if statistic value exceeds threshold?</b>	Select <b>Yes</b> to raise an event if a statistic value exceeds the threshold you set. The default is Yes.
Event severity level when statistic value exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the value of a monitored statistic exceeds the threshold. The default is 5.
<b>Raise event if statistic not found?</b>	Select <b>Yes</b> to raise an event if the statistic does not exist on the monitored server. The default is Yes.
Event severity level when statistic not found	Set the event severity level, from 1 to 40, to indicate the importance of an event in which a statistic does not exist on the monitored server. The default is 25.
<b>Cancel job if statistic not found?</b>	Select <b>Yes</b> to cancel the Knowledge Script job if the statistic does not exist on the monitored server. The default is Yes.
Event severity level when statistic not found and job canceled	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the statistic cannot be found and the Knowledge Script job is canceled. The default is 5.
<b>Data Acquisition Problems</b>	

Description	How To Set It
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from the nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event if the data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable. Note that "average" and "minimum" data values are subsequently skewed. If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable. <b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.
Threshold - Maximum wait time for server response	Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts. <b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.

# HTTPAccessStat

Use this Knowledge Script to monitor the number of HTTP access requests for a Domino server and the size of data transferred from the Domino server to a Web client. This script raises an event when either the number of HTTP requests or maximum file size exceeds the threshold values you specify.

To use this script, enable the Domino Web server log (`doml og. nsf`) database in the Domino server. For more information about enabling logs in the Domino server, see the Lotus Domino server documentation.

If the Domino server cannot locate `doml og. nsf`, it tries to locate any of the following log files:

```
access<mmddyyyy>.log
agent<mmddyyyy>.log
referrer<mmddyyyy>.log
```

where `mm` is the month the Domino server creates the log file, `dd` is the date the Domino server creates the log file, and `yyyy` is the year the Domino server creates the log file.

This script raises an event if log files cannot be located.

---

## Tip

Domino often delays purging log file data until midnight, so run this script just after midnight.

---

## Resource Object

Domino server

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Number of previous hours to monitor	Specify the number of previous hours to monitor access requests. The default is 24 hours.
Threshold - Maximum number of HTTP requests	Specify the maximum number of HTTP requests that should be answered by the Domino server before an event is raised. The default is 10000 requests.
Threshold - Maximum amount of transferred data	Specify the maximum file size that transferred files can attain before an event is raised. The default is 1000 MB.
<b>Data Collection</b>	
Collect data for number of HTTP requests?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of HTTP requests during the monitoring period. The default is unselected.
Collect data for amount of transferred data (MB)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the size of transferred files during the monitoring period. The default is unselected.



Description	How To Set It
<b>Event Notification</b>	
<b>Raise event if number of HTTP requests exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the number of HTTP requests exceeds the threshold you set. The default is Yes.
Event severity level when number of HTTP requests exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of HTTP requests exceeds the threshold. The default is 5.
<b>Raise event if amount of transferred data exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the amount of transferred data exceeds the threshold you set. The default is Yes.
Event severity level when amount of transferred data exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the amount of transferred data exceeds the threshold. The default is 25.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable. Note that "average" and "minimum" data values are subsequently skewed. If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable. <b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.
Threshold - Maximum wait time for server response	Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts. <b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.

# InetPortCheck

Use this Knowledge Script to monitor the Internet protocol ports used by the Domino server (Internet task). You can specify which protocol ports to check. This script raises an event if a monitored port is enabled but inactive.

## Resource Object

Domino server

## Default Schedule

The default interval is **every hour**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Event Notification</b>	
Raise event if the HTTP port is enabled but inactive?	Select <b>Yes</b> to check the HTTP server port. The default is Yes.
Raise event if the LDAP port is enabled but inactive?	Select <b>Yes</b> to check the LDAP server port. The default is Yes.
Raise event if the NNTP port is enabled but inactive?	Select <b>Yes</b> to check the NNTP server port. The default is Yes.
Raise event if the IMAP port is enabled but inactive?	Select <b>Yes</b> to check the IMAP server port. The default is Yes.
Raise event if the POP3 port is enabled but inactive?	Select <b>Yes</b> to check the POP3 server port. The default is Yes.
Event severity level when ports are enabled but inactive	Set the event severity level, from 1 to 40, to indicate the importance of an event in which ports are inactive. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.

Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# LogSniff

Use this Knowledge Script to monitor the Notes log database for specific messages or search strings. You enter the search strings to look for using two filter files: the **Include Description File** and the **Exclude Description File**. These files contain the search strings you want to include or exclude, respectively. The search strings can include regular expressions.

You can use just the Include filter file, just the Exclude filter file, or both. If you use both filter files, this script returns messages that contain any included search strings and do not contain any of the excluded search strings. This script raises an event if the number of matching messages found exceeds the threshold you set. This script returns the items that match the search criteria that are new since the last time the script ran.

---

## Note

The Description Files must be available locally on the computer where this script runs.

---

## Resource Object

Domino server

## Default Schedule

The default interval is **once every hour**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Form name to monitor in log database	Provide the form name of the Notes log database you want to search. The script searches for messages in the log document of this type. The default form name is Events.
Full path to file containing include strings	Provide the full path to the file name that contains the search strings you want to include. For example: C:\logsearch\include.txt
Full path to file containing exclude strings	Provide the full path to the name of the file that contains the search strings you want to exclude. For example: C:\logsearch\exclude.txt
Search type to apply	Specify the search type that you want to apply to the strings in the file: <ul style="list-style-type: none"><li>• <b>Automatic</b> - Select this search type to let the system automatically include strings to compare from a file.</li><li>• <b>Literals</b> - Select this search type when the string in the search file is the literal value that has to be compared.</li><li>• <b>RegularExpression</b> - Select this search type when the string in the search file is a regular expression.</li></ul> By default, the default search type is Automatic.
Previous 24-hour periods to search (for Run Once)	Normally, this script scans for log messages that are new since the last interval. If you schedule the script to Run Once, enter the number of previous days to scan the log for messages. The default is 1 Day.

Description	How To Set It
Threshold - Maximum number of matching messages	Specify the maximum number of matching messages to collect before raising an event. The default is 100 matching items.
<b>Data Collection</b>	
Collect data for number of matching messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of matching messages in the log. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if number of matching messages exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the number of matching messages exceeds the threshold you set. The default is Yes.
Event severity level when number of matching messages exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of matching messages exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable. Note that "average" and "minimum" data values are subsequently skewed. If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable. <b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.
Threshold - Maximum wait time for server response	Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts. <b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.

# MailThruput

Use this Knowledge Script to monitor the throughput rate of mail messages that are routed through the Domino server. This script monitors the number of routed, dead, and pending mail messages. This script raises an event if threshold values are exceeded.

**Routed mail** includes all of the mail messages sent to remote servers and all mail messages delivered to the local server. **Pending mail** messages are messages sent to the Domino server that have not yet been sent by the server to their destination.

When the Domino server cannot complete the delivery of mail and is not able to notify the sender of the mail delivery problem with an error message, the mail is stored on the server and flagged as **dead mail**.

## Example of How This Script is Used

This script provides insight into the overall health of your mail delivery system by monitoring dead and pending mail as well as the number of successfully routed messages. In addition, you can use these thresholds and associated events to help you determine when to perform housekeeping tasks such as deleting old mail messages.

## Resource Objects

Domino mail routers for Notes

## Default Schedule

The default interval is **every 30 minutes**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Maximum routed messages this interval	Specify the maximum number of mail messages that can be routed through the Domino server before an event is raised. Threshold applies to the sum of mail delivered to the server and mail transferred from the server to other destinations. The default is 1000 mail messages.
Threshold - Maximum total dead messages	Specify the maximum number of dead mail messages that can occur before an event is raised. The default is 10 messages.
Threshold - Maximum total waiting messages	Specify the maximum number of pending mail messages that can occur before an event is raised. The default is 100 messages.
<b>Data Collection</b>	
Collect data for dead messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of dead mail messages. The default is unselected.
Collect data for pending messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of pending mail messages. The default is unselected.
Collect data for delivered messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of delivered mail messages. The default is unselected.

Description	How To Set It
Collect data for routed messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of routed mail messages. The default is unselected.
Collect data for failed messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of failed mail messages. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if routed messages exceed threshold?</b>	Select <b>Yes</b> to raise an event if the number of routed messages exceeds the threshold you set. The default is Yes.
Event severity level when routed messages exceed threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of routed messages exceeds the threshold. The default is 5.
<b>Raise event if dead messages exceed threshold?</b>	Select <b>Yes</b> to raise an event if the number of dead messages exceeds the threshold you set. The default is Yes.
Event severity level when dead messages exceed threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event if the number of dead messages exceeds the threshold. The default is 5.
<b>Raise event if waiting messages exceed threshold?</b>	Select <b>Yes</b> to raise an event if the number of waiting messages exceeds the threshold you set. The default is Yes.
Event severity level when waiting messages exceed threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of waiting messages exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.

Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>



# MemBusy

Use this Knowledge Script to monitor the total memory resources used by all Domino processes. This script raises an event if the amount of memory used exceeds the threshold you set.

## Resource Object

Domino server

## Default Schedule

The default interval is every 30 minutes.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Maximum Domino memory usage	Specify the maximum amount of memory that can be used by all Domino processes before an event is raised. The default is 20000 KB.
<b>Data Collection</b>	
Collect data for Domino memory usage (KB)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the amount of memory usage for all Domino processes. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if memory usage exceeds threshold?</b>	Select <b>Yes</b> to raise an event if memory usage exceeds the threshold you set. The default is Yes.
Event severity level when memory usage exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which memory usage exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.

Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# NetworkBusy

Use this Knowledge Script to monitor the data sent and received on every Domino network port. This script raises an event if the amount of data sent and received on any Domino network port exceeds the thresholds you set.

## Resource Object

Domino server

## Default Schedule

The default interval is **every 30 minutes**.

---

### Note

You cannot choose the Run once schedule for this script, which requires at least two job iterations to return useful data.

---

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Maximum amount of data sent from any port	Specify the maximum amount of data that can be sent on a Domino network port before an event is raised. The default is 10000 KB.
Threshold - Maximum amount of data received from any port	Specify the maximum amount of data that can be received on a Domino network port before an event is raised. The default is 10000 KB.
<b>Data Collection</b>	
Collect data for total amount of data sent and received per port?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the total amount of data sent and received per port during the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if amount of data sent or received exceeds threshold?</b>	Select <b>Yes</b> to raise an event if amount of the amount of data sent or received exceeds the threshold you set. The default is Yes.
Event severity level when amount of data sent or received exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the amount of data sent or received exceeds the threshold. The default is 5.
<b>Raise event if data not found?</b>	Select <b>Yes</b> to raise an event if no data is found. The default is Yes.
Event severity level when data not found	Set the event severity level, from 1 to 40, to indicate the importance of an event in which no data is found. The default is 25.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.

Description	How To Set It
Raise event if data otherwise unavailable?	<p>Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors.</p> <p>The default is Yes.</p>
Event severity level when data otherwise unavailable	<p>Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.</p>
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# NotesMailStats

Use this Knowledge Script to monitor Notes Mail Server statistics on Domino servers:

- Mail.Dead
- Mail.Waiting
- Mail.TransferFailure
- Mail.Delivered
- Mail.AverageDeliverTime
- Mail.TotalRouted
- Mail.TotalKBTransferred.

This script extracts values from these statistics and raises an event if a threshold is exceeded.

## Resource Object

Domino server

## Default Schedule

The default interval is **once an hour**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Maximum dead mail messages	Specify the maximum number of dead mail messages (Mail.Dead) that can occur before an event is raised. The default is 1000 messages.
Threshold - Maximum waiting mail messages	Specify the maximum number of mail messages that can be waiting to be routed (Mail.Waiting) before an event is raised. The default is 1000 messages.
Threshold - Maximum failed transfer messages	Specify the maximum number of mail messages that the server can fail to route (Mail.TransferFailures) before an event is raised. The default is 1000 messages.
Threshold - Maximum delivered mail messages	Specify the maximum number of mail messages that can be delivered to mailboxes on the server (Mail.Delivered) before an event is raised. The default is 1000 messages.
Threshold - Maximum average message delivery time	Specify the maximum average time it can take to deliver a mail message (Mail.AverageDeliverTime) before an event is raised. The default is 1000 seconds.
Threshold - Maximum routed mail messages	Specify the maximum number of mail messages that can be routed to or from other servers (Mail.TotalRouted) before an event is raised. The default is 1000 messages.
Threshold - Maximum total KB transferred	Specify the maximum number of bytes that can be transferred by the server for all mail messages (Mail.TotalKBTransferred) before an event is raised. The default is 1000 KB.

<b>Description</b>	<b>How To Set It</b>
<b>Data Collection</b>	
Collect data for number of dead mail messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of dead mail (Mail.Dead) messages. The default is unselected.
Collect data for number of waiting mail messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of waiting mail messages (Mail.Waiting). The default is unselected.
Collect data for number of transfer failures?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of mail messages that failed to be transferred (Mail.TransferFailures). The default is unselected.
Collect data for number of delivered mail messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of delivered mail messages (Mail.Delivered). The default is unselected.
Collect data for average message delivery time?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the average delivery time (in seconds) for mail messages (Mail.AverageDeliverTime). The default is unselected.
Collect data for number of routed mail messages?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of routed mail messages (Mail.TotalRouted). The default is unselected.
Collect data for total KB transferred?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the total amount (in KB) of transferred mail messages (Mail.TotalKBTransferred). The default is unselected.
<b>Event Notification</b>	
<b>Raise event if dead mail exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the number of dead mail messages (Mail.Dead) exceeds the threshold. The default is Yes.
Event severity level when dead mail exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of dead messages exceeds the threshold. The default is 5.
<b>Raise event if waiting mail exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the number of waiting messages (Mail.Waiting) exceeds the threshold. The default is Yes.
Event severity level when waiting mail exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of waiting messages exceeds the threshold. The default is 5.
<b>Raise event if message transfer failures exceed threshold?</b>	Select <b>Yes</b> to raise an event if the number of message transfer failures (Mail.TransferFailures) exceeds the threshold. The default is Yes.
Event severity level when message transfer failures exceed threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of message transfer failures exceeds the threshold. The default is 5.
<b>Raise event if delivered mail exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the number of delivered messages (Mail.Delivered) exceeds the threshold. The default is Yes.
Event severity level when delivered mail exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of delivered messages exceeds the threshold. The default is 5.
<b>Raise event if average mail delivery time exceeds threshold?</b>	Select <b>Yes</b> to raise an event if average message delivery time (Mail.AverageDeliverTime) exceeds the threshold. The default is Yes.
Event severity level when average mail delivery time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which average message delivery time exceeds the threshold. The default is 5.

Description	How To Set It
<b>Raise event if routed mail exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the number of routed messages (Mail.TotalRouted) exceeds the threshold. The default is Yes.
Event severity level when routed mail exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of routed messages exceeds the threshold. The default is 5.
<b>Raise event if total KB transferred exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the amount (in KB) of transferred messages (Mail.TotalKBTransferred) exceeds the threshold. The default is Yes.
Event severity level when total KB transferred exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the amount of transferred messages exceeds the threshold. The default is 5.
Event severity level when no data available	Set the event severity level, from 1 to 40, to indicate the importance of an event in which no mail statistics are available. The default is 25.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable. Note that "average" and "minimum" data values are subsequently skewed. If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable. <b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.
Threshold - Maximum wait time for server response	Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts. <b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.

# OldestDocInDB

Use this Knowledge Script to monitor the age of documents in a Domino database message queue. You can specify a threshold age for documents in the queue. This script raises an event if a document is older than the threshold age you specified.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Database to monitor	Provide the name of the database to monitor. The default is netiq.nsf. You can specify only one database name.
Threshold - Maximum document age	Specify the maximum age that a document can attain before an event is raised. In other words, indicate the longest amount of time a document can remain in the message queue. The default is 1000 seconds.
<b>Data Collection</b>	
Collect data for oldest document age (seconds)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the age of the oldest documents in the queue. The default is unselected.
<b>Event Notification</b>	
Raise event if document age exceeds threshold?	Select <b>Yes</b> to raise an event if the document age exceeds the threshold you set. The default is Yes.
Event severity level when document age exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event if the age of a document exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
Raise event if nnetiq task unreachable?	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.



Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# OpenDBResponseTime

Use this Knowledge Script to monitor the amount of time required to open a Domino database (response time). You can set a threshold value in seconds for the amount of time required for a database to open. This script raises an event if the time to open a monitored database exceeds the response time you set.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Databases to monitor	Specify the names of one or more databases to monitor, separated by commas. The default is <code>names.nsf:People</code> .
Threshold - Maximum response time	Specify the maximum amount of time it can take to open a Domino database before an event is raised. The default is 5 seconds.
<b>Data Collection</b>	
Collect data for response time (seconds)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the amount of response time during the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if response time exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the amount of response time exceeds the threshold you set. The default is Yes.
Event severity level when response time exceeds the threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the amount of response time exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.

Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# ReplicationTime

Use this Knowledge Script to monitor the status of database replications between Domino servers, including the time used to complete replication and the name of the changed database. The detail message includes the total time taken for replication to complete. This script raises an event if replication does not complete successfully, and records the cause of the failure in the detail message.

Only replications initiated by the local Domino server are monitored. To monitor replications initiated by other servers, run this script on those servers instead.

---

## Note

Turn on the local Replication Log to use this script.

---

## Resource Object

Domino server

## Default Schedule

The default interval is **once every hour**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Servers to which the local server initiates replication	Provide a list of Domino servers where replication takes place. Separate the server names by commas. Provide at least one server name. If a server is in a different Domino domain than the server running this script, include the domain name. For example: DEV01, LAB01, SALES\LAB02.
Threshold - Maximum replication time	Specify the maximum amount of time that replication can take before an event is raised. The default is 20 minutes.
Number of previous hours to monitor	Specify the number of previous hours to monitor for replications initiated by the local server. The default is 1 hour.
<b>Data Collection</b>	
Collect data for total replication time?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the amount of replication time for the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if replication time exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the amount of replication time exceeds the threshold you set. The default is Yes.
Event severity level when replication time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the amount of replication time exceeds the threshold. The default is 5.
<b>Raise event if no replication during period?</b>	Select <b>Yes</b> to raise an event if no replication occurs during the monitoring period. The default is unselected.

Description	How To Set It
Event severity level when no replication during period	Set the event severity level, from 1 to 40, to indicate the importance of an event in which no replication occurs during the monitoring period. The default is 25.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which data is unavailable for other reasons. The default is 5.
Collect data as '-1' for data unavailable?	Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable. Note that "average" and "minimum" data values are subsequently skewed. If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable. <b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.
Threshold - Maximum wait time for server response	Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts. <b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.

# Report\_Connectivity

Use this Knowledge Script to generate a report about the connectivity and response time between Domino servers. This report uses data collected by the [Connectivity](#) Knowledge Script.

## Resource Objects

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
<b>Data Settings</b>	
Hours or percentage on chart	Select whether to illustrate availability by number of hours or by percentage.
Select sorting/display option	Select whether data is sorted, or the method of display: <ul style="list-style-type: none"><li>• <b>No sort</b>: Data is not sorted</li><li>• <b>Sort</b>: Data is sorted by value. Lowest to highest from front to back; highest to lowest from left to right</li><li>• <b>Top %</b>: Chart only the top N % of selected data (sorted by default)</li><li>• <b>Top N</b>: Chart only the top N of selected data (sorted by default)</li><li>• <b>Bottom %</b>: Chart only the bottom N % of data (sorted by default)</li><li>• <b>Bottom N</b>: Chart only the bottom N of selected data (sorted by default)</li></ul>
Percentage/count for top/bottom	Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10. The default is 25.
Truncate top/bottom?	If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%. Otherwise, the table shows all data. The default is no.
<b>Report Settings</b>	
Include parameter help table?	Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.
Include data stream table?	Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.
Include data stream chart?	Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.
Select chart style	Define the graphic properties of the charts in your report.
Select output folder	Set properties for the output folder.

Description	How To Set It
Add job ID to output folder name?	<p>Set to <b>yes</b> to append the job ID to the name of the output folder.</p> <p>A job ID helps you correlate a specific instance of a Report Script with the corresponding report.</p> <p>The default is no.</p>
Select properties	Set miscellaneous report properties. The default report title is Domino Connectivity.
Add time stamp to title?	<p>Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated.</p> <p>A time stamp lets you run consecutive iterations of the same report without overwriting previous output.</p> <p>The default is no.</p>
<b>Event notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_DatabaseSize

Use this Knowledge Script to generate a report about the size of Domino databases. Use this report to make a statistical analysis of the data point values, such as the average or maximum value over a specified period. This report uses data collected by the [DBSizes](#) Knowledge Script.

## Resource Objects

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
Select the style	Select the style for the report: <ul style="list-style-type: none"><li>• <b>By computer</b> shows one value for each computer you selected.</li><li>• <b>By legend</b> shows one value for each different legend (the legend is a truncated form of the data stream legend visible in the Operator Console).</li><li>• <b>By computer and legend</b> shows one value for each unique legend from each computer.</li></ul>
<b>Data Settings</b>	
Statistics to show	Select a statistical method by which to display data in the report: <ul style="list-style-type: none"><li>• <b>Average:</b> The average value of data points for the period covered by the report</li><li>• <b>Minimum:</b> The minimum value of data points for the period covered by the report</li><li>• <b>Maximum:</b> The maximum value of data points for the period covered by the report</li><li>• <b>Min/Avg/Max:</b> The minimum, average, and maximum values of data points for the period covered by the report</li><li>• <b>Range:</b> The range of values in the data stream (maximum - minimum = range)</li><li>• <b>Standard Deviation:</b> The measure of how widely values are dispersed from the mean</li><li>• <b>Sum:</b> The total value of data points for the period covered by the report</li><li>• <b>Close:</b> The last value for the period covered by the report</li><li>• <b>Change:</b> The difference between the first and last values for the period covered by the report (close - open = change)</li><li>• <b>Count:</b> The number of data points for the period covered by the report</li></ul>



Description	How To Set It
Select sorting/display option	Select whether data is sorted, or the method of display: <ul style="list-style-type: none"> <li>• <b>No sort:</b> Data is not sorted</li> <li>• <b>Sort:</b> Data is sorted by value. Lowest to highest from front to back; highest to lowest from left to right.</li> <li>• <b>Top %:</b> Chart only the top N % of selected data (sorted by default)</li> <li>• <b>Top N:</b> Chart only the top N of selected data (sorted by default)</li> <li>• <b>Bottom %:</b> Chart only the bottom N % of data (sorted by default)</li> <li>• <b>Bottom N:</b> Chart only the bottom N of selected data (sorted by default)</li> </ul>
Percentage/count for top/bottom	Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10. The default is 25.
Truncate top/bottom?	If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%. Otherwise, the table shows all data. The default is no.
Show totals on the table?	If set to yes, then additional calculations are made for each column of numbers in a table, and the following values are listed at the end of the table: <ul style="list-style-type: none"> <li>• <b>Report Average:</b> An average of all values in a column</li> <li>• <b>Report Minimum:</b> The minimum value in a column</li> <li>• <b>Report Maximum:</b> The maximum value in a column</li> <li>• <b>Report Total:</b> The total of all values in a column</li> </ul> The default is no.
<b>Report Settings</b>	
Include parameter help table?	Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.
Include data stream table?	Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.
Include data stream chart?	Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.
Select chart style	Define the graphic properties of the charts in your report.
Select output folder	Set properties for the output folder.
Add job ID to output folder name?	Set to <b>yes</b> to append the job ID to the name of the output folder. A job ID helps you correlate a specific instance of a Report Script with the corresponding report. The default is no.
Select properties	Set miscellaneous report properties. The default report title is Domino Mail Database Sizes MB.
Add time stamp to title?	Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. A time stamp lets you run consecutive iterations of the same report without overwriting previous output. The default is no.
<b>Event notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.

Description	How To Set It
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_MailThroughputDeadMails

Use this Knowledge Script to generate a report about the number of dead mail messages stored on the Domino server. Use this report to make a statistical analysis of the data point values, such as the average or maximum value over a specified period. This report uses data collected by the [MailThruput](#) Knowledge Script.

## Resource Objects

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
Select the style	Select the style for the report: <ul style="list-style-type: none"><li>• <b>By computer</b> shows one value for each computer you selected.</li><li>• <b>By legend</b> shows one value for each different legend (the legend is a truncated form of the data stream legend visible in the Operator Console).</li><li>• <b>By computer and legend</b> shows one value for each unique legend from each computer.</li></ul>
<b>Data Settings</b>	
Statistics to show	Select a statistical method by which to display data in the report: <ul style="list-style-type: none"><li>• <b>Average:</b> The average value of data points for the period covered by the report</li><li>• <b>Minimum:</b> The minimum value of data points for the period covered by the report</li><li>• <b>Maximum:</b> The maximum value of data points for the period covered by the report</li><li>• <b>Min/Avg/Max:</b> The minimum, average, and maximum values of data points for the period covered by the report</li><li>• <b>Range:</b> The range of values in the data stream (maximum - minimum = range)</li><li>• <b>Standard Deviation:</b> The measure of how widely values are dispersed from the mean</li><li>• <b>Sum:</b> The total value of data points for the period covered by the report</li><li>• <b>Close:</b> The last value for the period covered by the report</li><li>• <b>Change:</b> The difference between the first and last values for the period covered by the report (close - open = change)</li><li>• <b>Count:</b> The number of data points for the period covered by the report</li></ul>

Description	How To Set It
Select sorting/display option	Select whether data is sorted, or the method of display: <ul style="list-style-type: none"> <li>• <b>No sort:</b> Data is not sorted</li> <li>• <b>Sort:</b> Data is sorted by value (lowest to highest from front to back; highest to lowest from left to right)</li> <li>• <b>Top %:</b> Chart only the top N % of selected data (sorted by default)</li> <li>• <b>Top N:</b> Chart only the top N of selected data (sorted by default)</li> <li>• <b>Bottom %:</b> Chart only the bottom N % of data (sorted by default)</li> <li>• <b>Bottom N:</b> Chart only the bottom N of selected data (sorted by default)</li> </ul>
Percentage/count for top/bottom	Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10. The default is 25.
Truncate top/bottom?	If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%. Otherwise, the table shows all data. The default is no.
Show totals on the table?	If set to yes, then additional calculations are made for each column of numbers in a table, and the following values are listed at the end of the table: <ul style="list-style-type: none"> <li>• <b>Report Average:</b> An average of all values in a column</li> <li>• <b>Report Minimum:</b> The minimum value in a column</li> <li>• <b>Report Maximum:</b> The maximum value in a column</li> <li>• <b>Report Total:</b> The total of all values in a column</li> </ul> The default is no.
<b>Report Settings</b>	
Include parameter help table?	Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.
Include data stream table?	Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.
Include data stream chart?	Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.
Select chart style	Define the graphic properties of the charts in your report.
Select output folder	Set properties for the output folder.
Add job ID to output folder name?	Set to <b>yes</b> to append the job ID to the name of the output folder. A job ID helps you correlate a specific instance of a Report Script with the corresponding report. The default is no.
Select properties	Set miscellaneous report properties. The default report title is Domino Mail Throughput Dead Mails.
Add time stamp to title?	Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. A time stamp lets you run consecutive iterations of the same report without overwriting previous output. The default is no.
<b>Event Notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.

Description	How To Set It
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_MailThroughputFailureMail

Use this Knowledge Script to generate a report about the number of mail messages that the Domino server failed to deliver. Use this report to make a statistical analysis of the data point values, such as the average or maximum value over a specified period. This report uses data collected by the [MailThruput](#) Knowledge Script.

## Resource Object

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
Select the style	Select the style for the report: <ul style="list-style-type: none"><li>• <b>By computer</b> shows one value for each computer you selected.</li><li>• <b>By legend</b> shows one value for each different legend (the legend is a truncated form of the data stream legend visible in the Operator Console).</li><li>• <b>By computer and legend</b> shows one value for each unique legend from each computer.</li></ul>
<b>Data Settings</b>	

Description	How To Set It
Statistics to show	<p>Select a statistical method by which to display data in the report:</p> <ul style="list-style-type: none"> <li>• <b>Average:</b> The average value of data points for the period covered by the report</li> <li>• <b>Minimum:</b> The minimum value of data points for the period covered by the report</li> <li>• <b>Maximum:</b> The maximum value of data points for the period covered by the report</li> <li>• <b>Min/Avg/Max:</b> The minimum, average, and maximum values of data points for the period covered by the report</li> <li>• <b>Range:</b> The range of values in the data stream (maximum - minimum = range)</li> <li>• <b>Standard Deviation:</b> The measure of how widely values are dispersed from the mean</li> <li>• <b>Sum:</b> The total value of data points for the period covered by the report</li> <li>• <b>Close:</b> The last value for the period covered by the report</li> <li>• <b>Change:</b> The difference between the first and last values for the period covered by the report (close - open = change)</li> <li>• <b>Count:</b> The number of data points for the period covered by the report</li> </ul>
Select sorting/display option	<p>Select whether data is sorted, or the method of display:</p> <ul style="list-style-type: none"> <li>• <b>No sort:</b> Data is not sorted</li> <li>• <b>Sort:</b> Data is sorted by value. Lowest to highest from front to back; highest to lowest from left to right.</li> <li>• <b>Top %:</b> Chart only the top N % of selected data (sorted by default)</li> <li>• <b>Top N:</b> Chart only the top N of selected data (sorted by default)</li> <li>• <b>Bottom %:</b> Chart only the bottom N % of data (sorted by default)</li> <li>• <b>Bottom N:</b> Chart only the bottom N of selected data (sorted by default)</li> </ul>
Percentage/count for top/bottom	<p>Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10.</p> <p>The default is 25.</p>
Truncate top/bottom?	<p>If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%.</p> <p>Otherwise, the table shows all data.</p> <p>The default is no.</p>
Show totals on the table?	<p>If set to yes, then additional calculations are made for each column of numbers in a table, and the following values are listed at the end of the table:</p> <ul style="list-style-type: none"> <li>• <b>Report Average:</b> An average of all values in a column</li> <li>• <b>Report Minimum:</b> The minimum value in a column</li> <li>• <b>Report Maximum:</b> The maximum value in a column</li> <li>• <b>Report Total:</b> The total of all values in a column</li> </ul> <p>The default is no.</p>
<b>Report settings</b>	
Include parameter help table?	<p>Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.</p>
Include data stream table?	<p>Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.</p>
Include data stream chart?	<p>Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.</p>

Description	How To Set It
Select chart style	Define the graphic properties of the charts in your report.
Select output folder	Set properties for the output folder.
Add job ID to output folder name?	<p>Set to <b>yes</b> to append the job ID to the name of the output folder.</p> <p>A job ID helps you correlate a specific instance of a Report Script and the corresponding report.</p> <p>The default is no.</p>
Select properties	Set miscellaneous report properties. The default report title is Domino Mail Throughput Failure Mail.
Add time stamp to title?	<p>Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated.</p> <p>A time stamp lets you run consecutive iterations of the same report without overwriting previous output.</p> <p>The default is no.</p>
<b>Event Notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.



# Report\_MailThroughputPendingMails

Use this Knowledge Script to generate a report about the number of mail messages sent to the Domino server that have yet to be forwarded to their destinations. Use this report to make a statistical analysis of the data point values, such as the average or maximum value over a specified period. This report uses data collected by the [MailThruput](#) Knowledge Script.

## Resource Object

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
Select the style	Select the style for the report: <ul style="list-style-type: none"><li>• <b>By computer</b> shows one value for each computer you selected.</li><li>• <b>By legend</b> shows one value for each different legend (the legend is a truncated form of the data stream legend visible in the Operator Console).</li><li>• <b>By computer and legend</b> shows one value for each unique legend from each computer.</li></ul>
<b>Data Settings</b>	
Statistics to show	Select a statistical method by which to display data in the report: <ul style="list-style-type: none"><li>• <b>Average</b>: The average value of data points for the period covered by the report</li><li>• <b>Minimum</b>: The minimum value of data points for the period covered by the report</li><li>• <b>Maximum</b>: The maximum value of data points for the period covered by the report</li><li>• <b>Min/Avg/Max</b>: The minimum, average, and maximum values of data points for the period covered by the report</li><li>• <b>Range</b>: The range of values in the data stream (maximum - minimum = range)</li><li>• <b>Standard Deviation</b>: The measure of how widely values are dispersed from the mean</li><li>• <b>Sum</b>: The total value of data points for the period covered by the report</li><li>• <b>Close</b>: The last value for the period covered by the report</li><li>• <b>Change</b>: The difference between the first and last values for the period covered by the report (close - open = change)</li><li>• <b>Count</b>: The number of data points for the period covered by the report</li></ul>

Description	How To Set It
Select sorting/display option	<p>Select whether data is sorted, or the method of display:</p> <ul style="list-style-type: none"> <li>• <b>No sort:</b> Data is not sorted</li> <li>• <b>Sort:</b> Data is sorted by value. Lowest to highest from front to back; highest to lowest from left to right.</li> <li>• <b>Top %:</b> Chart only the top N % of selected data (sorted by default)</li> <li>• <b>Top N:</b> Chart only the top N of selected data (sorted by default)</li> <li>• <b>Bottom %:</b> Chart only the bottom N % of data (sorted by default)</li> <li>• <b>Bottom N:</b> Chart only the bottom N of selected data (sorted by default)</li> </ul>
Percentage/count for top/bottom	<p>Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10.</p> <p>The default is 25.</p>
Truncate top/bottom?	<p>If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%.</p> <p>Otherwise, the table shows all data.</p> <p>The default is no.</p>
Show totals on the table?	<p>If set to yes, then additional calculations are made for each column of numbers in a table, and the following values are listed at the end of the table:</p> <ul style="list-style-type: none"> <li>• <b>Report Average:</b> An average of all values in a column</li> <li>• <b>Report Minimum:</b> The minimum value in a column</li> <li>• <b>Report Maximum:</b> The maximum value in a column</li> <li>• <b>Report Total:</b> The total of all values in a column</li> </ul> <p>The default is no.</p>
<b>Report Settings</b>	
Include parameter help table?	<p>Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.</p>
Include data stream table?	<p>Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.</p>
Include data stream chart?	<p>Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.</p>
Select chart style	<p>Define the graphic properties of the charts in your report.</p>
Select output folder	<p>Set properties for the output folder.</p>
Add job ID to output folder name?	<p>Set to <b>yes</b> to append the job ID to the name of the output folder.</p> <p>A job ID helps you correlate a specific instance of a Report Script with the corresponding report.</p> <p>The default is no.</p>
Select properties	<p>Set miscellaneous report properties. The default report title is Domino Mail Throughput Pending Mails.</p>
Add time stamp to title?	<p>Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated.</p> <p>A time stamp lets you run consecutive iterations of the same report without overwriting previous output.</p> <p>The default is no.</p>
<b>Event Notification</b>	
Raise event if report succeeds?	<p>Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.</p>
Severity level when report succeeds	<p>Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.</p>

Description	How To Set It
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_MailThroughputRoutedMail

Use this Knowledge Script to generate a report about the number of mail messages sent to remote servers and delivered to the local server. Use this report to make a statistical analysis of the data point values, such as the average or maximum value over a specified period. This report uses data collected by the [MailThruput](#) Knowledge Script.

## Resource Object

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
Select the style	Select the style for the report: <ul style="list-style-type: none"><li>• <b>By computer</b> shows one value for each computer you selected.</li><li>• <b>By legend</b> shows one value for each different legend (the legend is a truncated form of the data stream legend visible in the Operator Console).</li><li>• <b>By computer and legend</b> shows one value for each unique legend from each computer.</li></ul>
<b>Data Settings</b>	
Statistics to show	Select a statistical method by which to display data in the report: <ul style="list-style-type: none"><li>• <b>Average</b>: The average value of data points for the period covered by the report</li><li>• <b>Minimum</b>: The minimum value of data points for the period covered by the report</li><li>• <b>Maximum</b>: The maximum value of data points for the period covered by the report</li><li>• <b>Min/Avg/Max</b>: The minimum, average, and maximum values of data points for the period covered by the report</li><li>• <b>Range</b>: The range of values in the data stream (maximum - minimum = range)</li><li>• <b>Standard Deviation</b>: The measure of how widely values are dispersed from the mean</li><li>• <b>Sum</b>: The total value of data points for the period covered by the report</li><li>• <b>Close</b>: The last value for the period covered by the report</li><li>• <b>Change</b>: The difference between the first and last values for the period covered by the report (close - open = change)</li><li>• <b>Count</b>: The number of data points for the period covered by the report</li></ul>

Description	How To Set It
Select sorting/display option	<p>Select whether data is sorted, or the method of display:</p> <ul style="list-style-type: none"> <li>• <b>No sort:</b> Data is not sorted</li> <li>• <b>Sort:</b> Data is sorted by value. Lowest to highest from front to back; highest to lowest from left to right.</li> <li>• <b>Top %:</b> Chart only the top N % of selected data (sorted by default)</li> <li>• <b>Top N:</b> Chart only the top N of selected data (sorted by default)</li> <li>• <b>Bottom %:</b> Chart only the bottom N % of data (sorted by default)</li> <li>• <b>Bottom N:</b> Chart only the bottom N of selected data (sorted by default)</li> </ul>
Percentage/count for top/bottom	<p>Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10.</p> <p>The default is 25.</p>
Truncate top/bottom?	<p>If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%.</p> <p>Otherwise, the table shows all data.</p> <p>The default is no.</p>
Show totals on the table?	<p>If set to yes, then additional calculations are made for each column of numbers in a table, and the following values are listed at the end of the table:</p> <ul style="list-style-type: none"> <li>• <b>Report Average:</b> An average of all values in a column</li> <li>• <b>Report Minimum:</b> The minimum value in a column</li> <li>• <b>Report Maximum:</b> The maximum value in a column</li> <li>• <b>Report Total:</b> The total of all values in a column</li> </ul> <p>The default is no.</p>
<b>Report Settings</b>	
Include parameter help table?	<p>Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.</p>
Include data stream table?	<p>Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.</p>
Include data stream chart?	<p>Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.</p>
Select chart style	<p>Define the graphic properties of the charts in your report.</p>
Select output folder	<p>Set properties for the output folder.</p>
Add job ID to output folder name?	<p>Set to <b>yes</b> to append the job ID to the name of the output folder.</p> <p>A job ID helps you correlate a specific instance of a Report Script with the corresponding report.</p> <p>The default is no.</p>
Select properties	<p>Set miscellaneous report properties. The default report title is Domino Mail Throughput Routed Mail.</p>
Add time stamp to title?	<p>Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated.</p> <p>A time stamp lets you run consecutive iterations of the same report without overwriting previous output.</p> <p>The default is no.</p>
<b>Event Notification</b>	
Raise event if report succeeds?	<p>Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.</p>
Severity level when report succeeds	<p>Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.</p>

Description	How To Set It
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_MailThruputDeliveredMail

Use this Knowledge Script to generate a report about the number of mail messages delivered to the local Domino server. Use this report to make a statistical analysis of the data point values, such as the average or maximum value over a specified period. This report uses data collected by the [MailThruput](#) Knowledge Script.

## Resource Object

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
Select the style	Select the style for the report: <ul style="list-style-type: none"><li>• <b>By computer</b> shows one value for each computer you selected.</li><li>• <b>By legend</b> shows one value for each different legend (the legend is a truncated form of the data stream legend visible in the Operator Console).</li><li>• <b>By computer and legend</b> shows one value for each unique legend from each computer.</li></ul>
<b>Data settings</b>	
Statistics to show	Select a statistical method by which to display data in the report: <ul style="list-style-type: none"><li>• <b>Average:</b> The average value of data points for the period covered by the report</li><li>• <b>Minimum:</b> The minimum value of data points for the period covered by the report</li><li>• <b>Maximum:</b> The maximum value of data points for the period covered by the report</li><li>• <b>Min/Avg/Max:</b> The minimum, average, and maximum values of data points for the period covered by the report</li><li>• <b>Range:</b> The range of values in the data stream (maximum - minimum = range)</li><li>• <b>Standard Deviation:</b> The measure of how widely values are dispersed from the mean</li><li>• <b>Sum:</b> The total value of data points for the period covered by the report</li><li>• <b>Close:</b> The last value for the period covered by the report</li><li>• <b>Change:</b> The difference between the first and last values for the period covered by the report (close - open = change)</li><li>• <b>Count:</b> The number of data points for the period covered by the report</li></ul>

Description	How To Set It
Select sorting/display option	Select whether data is sorted, or the method of display: <ul style="list-style-type: none"> <li>• <b>No sort:</b> Data is not sorted</li> <li>• <b>Sort:</b> Data is sorted by value. Lowest to highest from front to back; highest to lowest from left to right.</li> <li>• <b>Top %:</b> Chart only the top N % of selected data (sorted by default)</li> <li>• <b>Top N:</b> Chart only the top N of selected data (sorted by default)</li> <li>• <b>Bottom %:</b> Chart only the bottom N % of data (sorted by default)</li> <li>• <b>Bottom N:</b> Chart only the bottom N of selected data (sorted by default)</li> </ul>
Percentage/count for top/bottom	Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10. The default is 25.
Truncate top/bottom?	If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%. Otherwise, the table shows all data. The default is no.
Show totals on the table?	If set to yes, then additional calculations are made for each column of numbers in a table, and the following values are listed at the end of the table: <ul style="list-style-type: none"> <li>• <b>Report Average:</b> An average of all values in a column</li> <li>• <b>Report Minimum:</b> The minimum value in a column</li> <li>• <b>Report Maximum:</b> The maximum value in a column</li> <li>• <b>Report Total:</b> The total of all values in a column</li> </ul> The default is no.
<b>Report settings</b>	
Include parameter help table?	Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.
Include data stream table?	Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.
Include data stream chart?	Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.
Select chart style	Define the graphic properties of the charts in your report.
Select output folder	Set properties for the output folder.
Add job ID to output folder name?	Set to <b>yes</b> to append the job ID to the name of the output folder. A job ID helps you correlate a specific instance of a Report Script with the corresponding report. The default is no.
Select properties	Set miscellaneous report properties. The default report title is Domino Mail Throughput Delivered Mail.
Add time stamp to title?	Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. A time stamp lets you run consecutive iterations of the same report without overwriting previous output. The default is no.
<b>Event Notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.



Description	How To Set It
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_ServerDown

Use this Knowledge Script to generate a report about the availability of the Domino server. This report uses data collected by the [ServerDown](#) Knowledge Script.

## Resource Object

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
<b>Data Settings</b>	
Hours or percentage on chart	Select whether to illustrate availability by number of hours or by percentage.
Select sorting/display option	Select whether data is sorted, or the method of display: <ul style="list-style-type: none"><li>• <b>No sort</b>: Data is not sorted</li><li>• <b>Sort</b>: Data is sorted by value. Lowest to highest from front to back; highest to lowest from left to right.</li><li>• <b>Top %</b>: Chart only the top N % of selected data (sorted by default)</li><li>• <b>Top N</b>: Chart only the top N of selected data (sorted by default)</li><li>• <b>Bottom %</b>: Chart only the bottom N % of data (sorted by default)</li><li>• <b>Bottom N</b>: Chart only the bottom N of selected data (sorted by default)</li></ul>
Percentage/count for top/bottom	Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10. The default is 25.
Truncate top/bottom?	If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%. Otherwise, the table shows all data. The default is no.
<b>Report Settings</b>	
Include parameter help table?	Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.
Include data stream table?	Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.
Include data stream chart?	Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.
Select chart style	Define the graphic properties of the charts in your report.

Description	How To Set It
Select output folder	Set properties for the output folder.
Add job ID to output folder name?	Set to <b>yes</b> to append the job ID to the name of the output folder. A job ID helps you correlate a specific instance of a Report Script with the corresponding report. The default is no.
Select properties	Set miscellaneous report properties. The default report title is Domino Server Down.
Add time stamp to title?	Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. A time stamp lets you run consecutive iterations of the same report without overwriting previous output. The default is no.
<b>Event Notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_ServerUpTime

Use this Knowledge Script to generate a report detailing the up and down time of monitored Domino servers. Up and down times are shown in hours and minutes, as well as the percentage of the monitoring interval during which a computer is running or not running. For example, if during a 24-hour monitoring interval, the computer is running for 18 hours and not running for six hours, the up and down times are represented as:

- Up Time: 18 hours 0 minutes
- Down Time: 6 hours 0 minutes
- Up Time: 75%
- Down Time: 25%

This report uses data collected by the [ServerAvailability](#) Knowledge Script.

## Resource Object

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select data streams	Select the data streams to include in your report. <b>Note</b> It is recommended to choose "By Data Stream" for this parameter.
Select the style	Select the style for the first page of the report: <ul style="list-style-type: none"><li>• <b>By computer and data stream</b> provides links to pages showing a single data stream collected from a computer</li><li>• <b>All data streams on one page</b> generates a report with all data on a single page</li></ul>
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
Aggregation interval	Select the period by which the data in your report is aggregated: <ul style="list-style-type: none"><li>• Hourly</li><li>• Daily</li><li>• Weekly</li></ul>
<b>Report Settings</b>	
Include parameter help table?	Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.
Include data stream table?	Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.
Include data stream chart?	Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.

<b>Description</b>	<b>How To Set It</b>
Select chart style	Define the graphic properties of the charts in your report.
Select output folder	Set properties for the output folder.
Add job ID to output folder name?	Select <b>yes</b> to append the job ID to the name of the output folder. A job ID helps you correlate a specific instance of a Report Script with the corresponding report. The default is no.
Select properties	Set miscellaneous report properties. The default report title is Domino Server Up Time.
Add time stamp to title?	Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. A time stamp lets you run consecutive iterations of the same report without overwriting previous output. The default is no.
<b>Event notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_TopNDatabases

Use this Knowledge Script to generate a report about the Domino databases that use the most disk space on the Domino server. This report uses data collected by the [TopNDatabases](#) Knowledge Script.

## Resource Object

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
<b>Report settings</b>	
Include parameter help table?	Set to <b>Yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.
Select output folder	Set properties for the output folder.
Select properties	Set miscellaneous report properties. The default report title is Domino Top N Databases Information.
Add time stamp to title?	Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. A time stamp lets you run consecutive iterations of the same report without overwriting previous output. The default is no.
<b>Event Notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# Report\_UserSessions

Use this Knowledge Script to generate a report about the number of concurrent user sessions on the Domino server. Use this report to make a statistical analysis of the data point values, such as the average or maximum value over a specified period. This report uses data collected by the [UserSessions](#) Knowledge Script.

## Resource Object

Report agent

## Default Schedule

The default schedule is **Run once**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Source</b>	
Select computers	Select the computers to include in your report.
Select time range	Set a specific or sliding time range for data to include in your report.
Select peak weekdays	Select the days of the week to include in your report.
Select the style	Select the style for the report: <ul style="list-style-type: none"><li>• <b>By computer</b> shows one value for each computer you selected.</li><li>• <b>By legend</b> shows one value for each different legend (the legend is a truncated form of the data stream legend visible in the Operator Console).</li><li>• <b>By computer and legend</b> shows one value for each unique legend from each computer.</li></ul>
<b>Data Settings</b>	
Statistics to show	Select a statistical method by which to display data in the report: <ul style="list-style-type: none"><li>• <b>Average</b>: The average value of data points for the period covered by the report</li><li>• <b>Minimum</b>: The minimum value of data points for the period covered by the report</li><li>• <b>Maximum</b>: The maximum value of data points for the period covered by the report</li><li>• <b>Min/Avg/Max</b>: The minimum, average, and maximum values of data points for the period covered by the report</li><li>• <b>Range</b>: The range of values in the data stream (maximum - minimum = range)</li><li>• <b>Standard Deviation</b>: The measure of how widely values are dispersed from the mean</li><li>• <b>Sum</b>: The total value of data points for the period covered by the report</li><li>• <b>Close</b>: The last value for the period covered by the report</li><li>• <b>Change</b>: The difference between the first and last values for the period covered by the report (close - open = change)</li><li>• <b>Count</b>: The number of data points for the period covered by the report</li></ul>

Description	How To Set It
Select sorting/display option	Select whether data is sorted, or the method of display: <ul style="list-style-type: none"> <li>• <b>No sort:</b> Data is not sorted</li> <li>• <b>Sort:</b> Data is sorted by value. Lowest to highest from front to back; highest to lowest from left to right.</li> <li>• <b>Top %:</b> Chart only the top N % of selected data (sorted by default)</li> <li>• <b>Top N:</b> Chart only the top N of selected data (sorted by default)</li> <li>• <b>Bottom %:</b> Chart only the bottom N % of data (sorted by default)</li> <li>• <b>Bottom N:</b> Chart only the bottom N of selected data (sorted by default)</li> </ul>
Percentage/count for top/bottom	Specify a value for either the percentage or count defined in the previous parameter. For example, Top 10%, or Top 10. The default is 25.
Truncate top/bottom?	If set to yes, then the data table shows only the top or bottom N or %. For example, only the top 10%. Otherwise, the table shows all data. The default is no.
Show totals on the table?	If set to yes, then additional calculations are made for each column of numbers in a table, and the following values are listed at the end of the table: <ul style="list-style-type: none"> <li>• <b>Report Average:</b> An average of all values in a column</li> <li>• <b>Report Minimum:</b> The minimum value in a column</li> <li>• <b>Report Maximum:</b> The maximum value in a column</li> <li>• <b>Report Total:</b> The total of all values in a column</li> </ul> The default is no.
<b>Report settings</b>	
Include parameter help table?	Set to <b>yes</b> to include a table in the report that lists parameter settings for the report script. The default is yes.
Include data stream table?	Set to <b>yes</b> to include a table of data stream values in the report. The default is yes.
Include data stream chart?	Set to <b>yes</b> to include a chart of data stream values in the report. The default is yes.
Select chart style	Define the graphic properties of the charts in your report.
Select output folder	Set properties for the output folder.
Add job ID to output folder name?	Set to <b>yes</b> to append the job ID to the name of the output folder. A job ID helps you correlate a specific instance of a Report Script with the corresponding report. The default is no.
Select properties	Set miscellaneous report properties. The default report title is Domino User Sessions.
Add time stamp to title?	Set to <b>yes</b> to append a time stamp to the title of the report, making each title unique. The time stamp is made up of the date and time the report was generated. A time stamp lets you run consecutive iterations of the same report without overwriting previous output. The default is no.
<b>Event Notification</b>	
Raise event if report succeeds?	Set to <b>yes</b> to raise an event when the report is successfully generated. The default is yes.
Severity level when report succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report is successfully generated. The default is 35.



<b>Description</b>	<b>How To Set It</b>
Severity level when report has no data	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report has no data. The default is 25.
Severity level when report fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the report cannot be generated. The default is 5.

# ServerAvailability

Use this Knowledge Script to monitor changes in the up and down status of a Domino server. This script raises an event when the server is up or when the server is down.

This script collects the data used by the [Report\\_ServerUpTime](#) script. The data can be used by other Report scripts, as well.

## Resource Object

Domino server

## Default Schedule

The default interval is **every 30 minutes**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Collection</b>	
Collect data for instance and overall availability (%)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the percentage of server availability during the monitoring period. The default is unselected.
<b>Event Notification</b>	
Event severity level when server is down	Set the event severity level, from 1 to 40, to indicate the importance of an event in which a server is down. The default is 5.
Event severity level when server is up	Set the event severity level, from 1 to 40, to indicate the importance of an event in which a server is up. The default is 15.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level if nnetiq task is unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.

Description	How To Set It
Event severity level when data is otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>

# ServerDown

Use this Knowledge Script to determine whether a Domino server is down. This script raises an event if the server is down.

## Resource Object

Domino server

## Default Schedule

The default interval is every 30 minutes.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Data Collection</b>	
Collect data for availability (%)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns 100 if the server is up, 50 if the server is restarting, or 0 if the server is down. The default is unselected.
<b>Event Notification</b>	
Raise event if Domino server is down?	Select <b>Yes</b> to raise an event if the Domino server is down. The default is Yes.
Event severity level when server is down	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the Domino server is down. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.

Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# SMTPConnectivity

Use this Knowledge Script to verify connectivity between a Domino server and one or more Internet domains. This script raises an event if connectivity is down.

To configure this script, you need to know the keyword strings that appear in a non-delivery report (NDR) subject and body when the domain is available (up) and, optionally, when the domain is unavailable (down).

A *non-delivery report* is a notice that a message was not delivered to the recipient. This script uses specified search criteria to determine the host status from the non-delivery report. A non-delivery report is created when:

- The test message was successfully sent to the host computer, but the user does not exist on the host computer. In this case, SMTP connectivity is available (up).
- The test message was unsuccessfully sent to the host computer, for example, because the host address is not available. In this case, connectivity to the host is not available (down).

---

## Note

This script sends a test message to the abcdefg123 user at one or more specified domains, for example abcdefg123@netiq.com. In the likely event that the user does not exist on the host computer, an NDR is sent to the NetIQ mailbox.

---

## Before Running this Knowledge Script

Before you begin, determine the SMTP host status from an NDR. The NDR must contain a text string in the subject line of the message that identifies the host status. Typically, the subject text in an NDR varies with each domain. After receiving an NDR, review the subject line of the message. The subject line must contain a keyword string that identifies the host status. For example, `user account inactive` indicates the host computer is available, but the user does not exist on the host computer. A subject such as `no route` indicates connectivity is down.

## Understanding How Keyword Strings Work

AppManager compares the text in the subject of the NDR to the specified keyword strings for the host status parameters in the script.

The specified keyword strings must match the actual string that appears in the NDR, including spaces. AppManager searches the subject line from left to right. The search is not case-sensitive.

When specifying one or more host status parameters, note the following:

If a text string in the NDR matches* the keyword string specified for	AppManager reports the status as
Subject keywords when host is up	Up
Subject keywords when host is down	Down
Subject keywords when host is both up and down	Down

---

## Note

By default, this script sends a test message to one or more specified domains using the abcdefg123 user name. This user name may appear in the NDR subject or body.

---

# Performing Routine Maintenance

Periodically remove old messages from the Domino server's mailbox and the NetIQ mail database.

## Resource Object

Domino server

## Default Schedule

The default interval for this script is **once every hour**.

---

### Note

You cannot choose the Run once schedule for this script, which requires at least two job iterations to return useful data.

---

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Internet domains to monitor	<p>Specify the domain names that you want to check. If specifying more than one, the order in which you specify the Internet domains must correspond to the list of Subject and Body Keywords.</p> <p>Separate more than one entry with an " "; do not use spaces. For example, neti q. com abc. com.</p> <p>The default is neti q. com.</p>
NDR subject phrase identifying host is up	<p>Provide a keyword string that should appear in the NDR subject when the host is available (up). The default is user account i n a c t i v e.</p> <p><b>Notes</b></p> <ul style="list-style-type: none"><li>• If you do not specify a value for a parameter (the value is Null), the parameter always matches. To configure a parameter to never match, enter a "garbage" string that does not appear in the NDR.</li><li>• If specifying a string for more than one Internet domain, the order in which you specify the keyword strings must correspond to the list of Internet domains. Separate more than one string with an " "; do not use spaces.</li></ul>
NDR subject phrase identifying host is down	<p>Provide a keyword string that should appear in the NDR subject when the host is not available. The default is unselected route.</p> <p><b>Notes</b></p> <ul style="list-style-type: none"><li>• If you do not specify a value for a parameter (the value is Null), the parameter always matches. To configure a parameter to never match, enter a "garbage" string that does not appear in the NDR.</li><li>• If specifying a string for more than one Internet domain, the order in which you specify the keyword strings must correspond to the list of Internet domains. Separate more than one string with an " "; do not use spaces.</li></ul>
<b>Data Collection</b>	

Description	How To Set It
Collect data for connectivity (%)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the percentage of connectivity for the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if SMTP connectivity is down?</b>	Select <b>Yes</b> to raise an event if SMTP connectivity is down. The default is Yes.
Event severity level when SMTP connectivity is down	Set the event severity level, from 1 to 40, to indicate the importance of an event in which SMTP connectivity is down. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task is unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.
Collect data as '-1' for data unavailable?	Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable. Note that "average" and "minimum" data values are subsequently skewed. If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable. <b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.
Threshold - Maximum wait time for server response	Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts. <b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.



# TaskAvailability

Use this Knowledge Script to monitor the status of Domino, third-party, or user add-in tasks. This script raises an event when a task is down or when a task is up.

## Resource Object

Domino server

## Default Schedule

The default interval is every 30 minutes.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Monitor Administration Process (AdminP)?	Select <b>Yes</b> to monitor the AdminP task. The default is unselected.
Monitor Agent Manager (AMgr)?	Select <b>Yes</b> to monitor the AMgr task. The default is unselected.
Monitor Billing (Billing)?	Select <b>Yes</b> to monitor the Billing task. The default is unselected.
Monitor Calendar Connector (Calconn)?	Select <b>Yes</b> to monitor the Calconn task. The default is unselected.
Monitor Cataloger (Catalog)?	Select <b>Yes</b> to monitor the Catalog task. The default is unselected.
Monitor Chronos (Chronos)?	Select <b>Yes</b> to monitor the Chronos task. The default is unselected.
Monitor Cluster Administration Process (Cladmin)?	Select <b>Yes</b> to monitor the Cladmin task. The default is unselected.
Monitor Cluster Database Directory Manager (Clbdir)?	Select <b>Yes</b> to monitor the Clbdir task. The default is unselected.
Monitor Cluster Replicator (Clrepl)?	Select <b>Yes</b> to monitor the Clrepl task. The default is unselected.
Monitor Database Compactor (Compact)?	Select <b>Yes</b> to monitor the Compact task. The default is unselected.
Monitor Database Fixup (Fixup)?	Select <b>Yes</b> to monitor the Fixup task. The default is unselected.
Monitor Designer (Design)?	Select <b>Yes</b> to monitor the Design task. The default is unselected.
Monitor DIIOP (DIIOP)?	Select <b>Yes</b> to monitor the DIIOP task. The default is unselected.
Monitor Directory Cataloger (Dircat)?	Select <b>Yes</b> to monitor the Dircat task. The default is unselected.
Monitor Domain Indexer (Domidx)?	Select <b>Yes</b> to monitor the Domidx task. The default is unselected.
Monitor Event Monitor (Event)?	Select <b>Yes</b> to monitor the Event task. The default is unselected.
Monitor HTTP Server (HTTP)?	Select <b>Yes</b> to monitor the HTTP task. The default is unselected.
Monitor IMAP Server (IMAP)?	Select <b>Yes</b> to monitor the IMAP task. The default is unselected.
Monitor Indexer (Update)?	Select <b>Yes</b> to monitor the Update task. The default is unselected.
Monitor ISpy (ISpy)?	Select <b>Yes</b> to monitor the ISpy task. The default is unselected.

Description	How To Set It
Monitor LDAP Server (LDAP)?	Select <b>Yes</b> to monitor the LDAP task. The default is unselected.
Monitor MTC (MTC)?	Select <b>Yes</b> to monitor the MTC task. The default is unselected.
Monitor NNTP Server (NNTP)?	Select <b>Yes</b> to monitor the NNTP task. The default is unselected.
Monitor Object Store Manager (Object)?	Select <b>Yes</b> to monitor the Object task. The default is unselected.
Monitor POP3 Server (POP3)?	Select <b>Yes</b> to monitor the POP3 task. The default is unselected.
Monitor Replicator (Replica)?	Select <b>Yes</b> to monitor the Replica task. The default is unselected.
Monitor Reporter (Report)?	Select <b>Yes</b> to monitor the Report task. The default is unselected.
Monitor Router (Router)?	Select <b>Yes</b> to monitor the Router task. The default is unselected.
Monitor Schedule Manager (Sched)?	Select <b>Yes</b> to monitor the Sched task. The default is unselected.
Monitor Statistic Collector (Collect)?	Select <b>Yes</b> to monitor the Collect task. The default is unselected.
Monitor Statistics (Statlog)?	Select <b>Yes</b> to monitor the Statlog task. The default is unselected.
Monitor Stats (Stats)?	Select <b>Yes</b> to monitor the Stats task. The default is unselected.
Monitor Web Retriever (Web)?	Select <b>Yes</b> to monitor the Web task. The default is unselected.
Third-party tasks to monitor	Specify the name of a third-party task you want to monitor and its corresponding .exe file name using the format <task name>: <exe name>. For example: <p style="text-align: center;">NetIQ: nnetiq.exe</p> To monitor more than one third-party task, use the symbol “ ” (shift+backslash), without any spaces, to separate the task name and executable file name pairs. For example: taskname1: exename1 taskname2: exename2
<b>Data Collection</b>	
Collect data for instance and overall availability?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the availability of selected tasks for the monitoring period. The default is unselected.
<b>Event Notification</b>	
Event severity level when a monitored task is down	Set the event severity level, from 1 to 40, to indicate the importance of an event in which a monitored task is down. The default is 5.
Event severity level when a monitored task is up	Set the event severity level, from 1 to 40, to indicate the importance of an event in which a monitored task is up. The default is 15.
<b>Data Acquisition Problems</b>	
Raise event if nnetiq task unreachable?	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event event severity level when nnetiq task is unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.

Description	How To Set It
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.
Collect data as '-1' for data unavailable?	<p data-bbox="678 264 1458 352">Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p data-bbox="678 359 1458 415">Note that "average" and "minimum" data values are subsequently skewed.</p> <p data-bbox="678 422 1458 510">If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p data-bbox="678 516 1458 583"><b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.</p>

# TaskDown

Use this Knowledge Script to monitor the status of Domino tasks that were found during discovery. To monitor third-party and user add-in tasks, use the *Additional tasks to monitor* parameter. This script can automatically restart any Domino task, third-party task, or user add-in task that is down.

## Resource Object

Domino task

## Default Schedule

The default interval is every 30 minutes.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Additional tasks to monitor	Provide the names of the third-party or user tasks you want monitor. Specify multiple tasks using the following format: task1: di spl ay name1   task2: di spl ay name2 You can look up task names and display names using the ShowTask command in the Domino Console.
<b>Data Collection</b>	
Collect data for availability (%)?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the percentage of task availability for the monitoring period. The default is unselected.
<b>Event Notification</b>	
Raise event if task is down?	Select <b>Yes</b> to raise an event for each task that is down. The default is Yes.
Event severity level when auto-start is disabled	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the <i>Auto-start task(s) if found down?</i> parameter is disabled. The default is 18.
Event severity level when auto-start succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which AppManager successfully restarts a monitored task. The default is 25.
Event severity level when auto-start fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which AppManager cannot restart a monitored task. The default is 5.
<b>Operations</b>	
Auto-start tasks that are down?	Select <b>Yes</b> to automatically restart monitored tasks that are down. The default is Yes.
<b>Data Acquisition Problems</b>	

Description	How To Set It
<b>Raise event if nnetiq task unreachable?</b>	<p>Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status.</p> <p>The default is Yes.</p>
Event severity level when nnetiq task unreachable	<p>Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.</p>
Raise event if data otherwise unavailable?	<p>Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors.</p> <p>The default is Yes.</p>
Event severity level when data otherwise unavailable	<p>Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.</p>
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# TopNAccessDbs

Use this Knowledge Script to monitor the top *n* Domino databases that are most frequently accessed on a Domino server. This script raises an event if the number of access requests exceeds the threshold you set.

The detail message includes the database name, the number of times the database was accessed, the database size, and the database whitespace for each top *n* database.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Top “n” accessed databases to monitor	Specify the number of top databases you want to monitor. For example, to see the five databases that receive the most access requests, enter 5. The default is 10. Enter 0 to include all databases.
Number of previous hours to monitor	Specify the number of previous hours to monitor. The default is 24 hours.
Threshold - Maximum total requests during monitoring period	Specify the maximum number of access requests that can occur before an event is raised. The default is 1000 requests.
<b>Data Collection</b>	
Collect data for total access requests during monitoring period?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of access requests for the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if number of requests exceeds the threshold?</b>	Select <b>Yes</b> to raise an event if the number of access requests exceeds the threshold you set. The default is Yes.
Event severity level when number of requests exceeds the threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of access requests exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.

Description	How To Set It
Raise event if data otherwise unavailable?	<p>Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors.</p> <p>The default is Yes.</p>
Event severity level when data otherwise unavailable	<p>Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.</p>
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# TopNDatabases

Use this Knowledge Script to monitor the Domino databases that use the most disk space on the Domino server. This script raises an event if the amount of disk space used by any database exceeds the threshold you set.

## Resource Object

Domino database folder

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Top “n” databases to monitor	Specify the number of top “n” largest databases you want to monitor. For example to see the five databases that use the most disk space, enter 5. The default is 10. Enter 0 to include all databases.
Threshold - Maximum total database disk space usage	Specify the maximum amount of disk space that can be used for all databases before an event is raised. The default is 50 MB.
<b>Data Collection</b>	
Collect data for total database disk space usage?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the total amount of disk space used during the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if disk space usage exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the total amount of disk space usage exceeds the threshold you set. The default is Yes.
Event severity level when disk space usage exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the amount of disk space usage exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.



Description	How To Set It
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed. If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.</p>

# TopNMailDatabases

Use this Knowledge Script to monitor the disk space used by the top *n* user mail files and mail-in databases on the Domino server. This script raises an event if the disk space used exceeds the threshold you set.

## Resource Objects

Mail icon

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Top “n” mail databases to monitor	Specify the number of top “n” largest mail files and mail-in databases you want to monitor. For example to see the five mail databases that use the most disk space, enter 5. The default is 10. Enter 0 to include all databases.
Threshold - Maximum total mail database disk space usage	Specify the maximum amount of disk space that can be used for all mail databases before an event is raised. The default is 50 MB.
<b>Data Collection</b>	
Collect data for total mail database disk space usage?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the amount of mail database disk space usage for the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if disk space usage exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the total amount of mail database disk space usage exceeds the threshold you set. The default is Yes.
Event severity level when disk space usage exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the amount of mail database disk space usage exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.

Description	How To Set It
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily. The default is 60 seconds.</p>

# TopNUnUsedDBs

Use this Knowledge Script to monitor the size of databases that are not being used. This script checks for databases that have not been accessed during the monitoring period. In addition, this script raises an event if the size of the unused databases exceeds the threshold you set.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Top “n” least accessed databases to monitor	Specify the number of top unused databases you want to monitor. For example to see the five unused databases that use the most disk space, enter 5. The default is 10. Enter 0 to include all databases.
Number of previous hours to monitor	Specify the number of previous hours to monitor. The default is 24 hours.
Threshold - Maximum total database disk space usage	Specify the maximum amount of disk space that can be used by all unaccessed databases before an event is raised. The default is 1000 MB.
<b>Data Collection</b>	
Collect data for total database disk space usage?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the amount of disk space used by unaccessed databases for the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if disk space usage exceeds threshold?</b>	Select <b>Yes</b> to raise an event if disk space usage exceeds the threshold you set. The default is Yes.
Event severity level when disk space usage exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which disk space usage exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.

Description	How To Set It
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters. The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# TopNUsers

Use this Knowledge Script to monitor the top *n* users that accessed the Domino server for the longest amount of time. This script raises an event when the number of minutes the top *n* users accessed the server exceeds the threshold you set. The detail message displays the combined number of minutes over the threshold for the top *n* users.

## Resource Object

Domino server

## Default Schedule

The default interval is **once every day**.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Top “n” user access times to monitor	Specify the number of top users you want to monitor. For example to see the five users who access the Domino server most, enter 5. The default is 10 users. Enter 0 to include all users.
Previous hours to search (for Run Once)	Normally, this script monitors since the last interval. If you schedule the script to Run Once, enter the number of previous hours to search. The default is 24 hours.
Threshold - Maximum total user access time during monitoring period	Specify the maximum amount of time users can access the Domino server before an event is raised. The default is 50 minutes.
<b>Data Collection</b>	
Collect data for total users access time during monitoring period?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the total number minutes users accessed the server during the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if total user access time exceeds threshold?</b>	Select <b>Yes</b> to raise an event if the total user access time exceeds the threshold you set. The default is Yes.
Event severity level when user access time exceeds threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which total user access time exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.

Description	How To Set It
Raise event if data otherwise unavailable?	<p>Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors.</p> <p>The default is Yes.</p>
Event severity level when data otherwise unavailable	<p>Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.</p>
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# UserSessions

Use this Knowledge Script to monitor the number of user sessions open on the Domino server. This script raises an event if the number of concurrent user sessions exceeds the threshold you set, which is an indication that the server is busy.

## Resource Object

Domino server

## Default Schedule

The default interval is every 30 minutes.

## Setting Parameter Values

Set the following parameters as needed:

Description	How To Set It
<b>Monitoring</b>	
Threshold - Maximum number of concurrent user sessions	Specify the maximum number of concurrent user sessions that can be open on the server before an event is raised. The default is 50 users.
<b>Data Collection</b>	
Collect data for concurrent number of user sessions?	Select <b>Yes</b> to collect data for charts and reports. If enabled, data collection returns the number of concurrent user sessions for the monitoring period. The default is unselected.
<b>Event Notification</b>	
<b>Raise event if user sessions exceed threshold?</b>	Select <b>Yes</b> to raise an event if the number of concurrent user sessions exceeds the threshold you set. The default is Yes.
Event severity level when user sessions exceed threshold	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the number of concurrent user sessions exceeds the threshold. The default is 5.
<b>Data Acquisition Problems</b>	
<b>Raise event if nnetiq task unreachable?</b>	Select <b>Yes</b> to raise an event if the nnetiq task is unavailable. Most monitoring data is gathered from this nnetiq task add-in to the Domino Server. Typically, the task is unavailable when the Domino Server is not running. Use <a href="#">ServerDown</a> to monitor server status. The default is Yes.
Event severity level when nnetiq task unreachable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the nnetiq task is unavailable. The default is 25.
Raise event if data otherwise unavailable?	Select <b>Yes</b> to raise an event if the data is otherwise unavailable. Data can become unavailable because of a recent server restart, statistic values being reset, or data or other parsing errors. The default is Yes.
Event severity level when data otherwise unavailable	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the data is otherwise unavailable. The default is 5.



Description	How To Set It
Collect data as '-1' for data unavailable?	<p>Select <b>Yes</b> to log a -1 data point during an interval when a normal data point value could not be obtained. If Yes, the resulting data points show values AND points where data was unavailable.</p> <p>Note that "average" and "minimum" data values are subsequently skewed.</p> <p>If unselected, the resulting data points show only valid data values, and it may not be obvious when the Domino Server was down or data was otherwise unavailable.</p> <p><b>Note</b> Function is applied to all Data Collection parameters.</p> <p>The default is unselected.</p>
Threshold - Maximum wait time for server response	<p>Specify the maximum number of seconds this script waits for a response from the Domino Server's nnetiq add-in task acknowledging a request for monitored data. This response time ensures that a "hung" Domino Server or nnetiq task will not "hang" this and other queued scripts.</p> <p><b>Note</b> Setting the value too low may result in timeout events being generated unnecessarily.</p> <p>The default is 60 seconds.</p>

# Discovery\_Domino

Use this Knowledge Script to discover the configuration and databases associated with Lotus Domino Servers, including partitioned servers.

## Resource Objects

Lotus Domino servers

## Default Schedule

By default, this script is only run **once** for each computer.

## Setting Parameter Values

Set the following parameters as needed:

Description	How to Set It
<b>Discovery Targets</b>	
<b>Database discovery level</b>	Because a server can have hundreds of Domino databases, use this parameter to control which databases are discovered. <ul style="list-style-type: none"><li>• <b>Root</b>=Discovers Notes data directory databases and mailboxes.</li><li>• <b>+Mail</b>=Discovers root functionality + root\mail databases and all mailboxes below root.</li><li>• <b>All</b>=Discovers all databases and mailboxes root and below.</li><li>• <b>User</b>=Discovers only the databases specified in the <i>Database names</i> parameter.</li></ul> The default is All.
Database names, including .nsf (when level=User)	If the database discovery level is set to <b>User</b> , provide the names of the specific databases you want to discover, separated by commas with no spaces. Each database name should be relative to the Notes data directory. For example: <code>MyData.nsf, mail\mymail.box</code>
<b>Save the discovery results file?</b>	Select <b>Yes</b> to save the discovery results file. The default is Yes.
Save as...	Provide the full path to the discovery results file. For example: <HKLM\SOFTWARE\NetIQ\AppManager\4.0\InstallPath>\Discovery_<SERVER>.txt
<b>Event Notification</b>	
<b>Raise event when discovery succeeds?</b>	Select <b>Yes</b> to raise an event when Lotus Domino resources are successfully discovered. The default is unselected.
Event severity when discovery succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which Lotus Domino resources are successfully discovered. The default is 25 (blue event indicator).
<b>Raise event when discovery fails?</b>	Select <b>Yes</b> to raise an event when the Discovery_Domino job fails to discover Lotus Domino resources. The default is Yes.
Event severity when discovery fails	Set the event severity level, from 1 to 40, to indicate the importance of an event in which the Discovery_Domino job fails to discover Lotus Domino resources. The default is 5 (red event indicator).

Description	How to Set It
<b>Raise event when discovery partially succeeds?</b>	Select <b>Yes</b> to raise an event when discovery returns some data but also generates warning messages. The default is Yes.
Event severity when discovery partially succeeds	Set the event severity level, from 1 to 40, to indicate the importance of an event in which discovery returns some data but also generates warning messages. The default is 10 (red event indicator).
<b>Raise event when discovery not appropriate?</b>	Select <b>Yes</b> to raise an event when discovery is not appropriate. This type of failure usually occurs when the target computer does not have Lotus Domino Server installed or does not have the AppManager for Lotus Domino module installed.
Event severity when discovery not appropriate	Set the event severity level, from 1 to 40, to indicate the importance of an event in which discovery is not applicable. The default is 15 (yellow event indicator).

