HELLO & WELCOME – SQL BITS XII

Advanced Reporting Techniques
&
Managing Reports

SQL BITS XII - 2014

Telford – United Kingdom

PYRAMID
ANALYTICS

Microsoft

DELL
Software

sql
bits

XL3
XLCubed
Business Intelligence for the Intelligent Business

Coeo

SQLSENTRY

CONFIO
is now
part of
solarwinds

ATTUNITY

Pragmatic
Works

AMMONITE
GROUP

adatis

About me

Dr. SubraMANI Paramasivam
PhD., MCT, MCITP, MCP, MCSA
CEO, Principal Consultant & Trainer @ YourSQLMan (UK) Ltd
Email: mani@yoursqlman.com

your SQL man™
for all your SQL needs

Follow Us

https://www.facebook.com/pages/YOUR-SQL-MAN-LTD
http://www.youtube.com/user/YourSQLMAN
https://twitter.com/YourSQLMAN
http://www.linkedin.com/pub/yoursqlman-ltd/78/972/172

Facebook
YouTube
Twitter
LinkedIn

Microsoft CERTIFIED Trainer

Microsoft CERTIFIED Professional

Microsoft CERTIFIED IT Professional

Microsoft CERTIFIED Technology Specialist

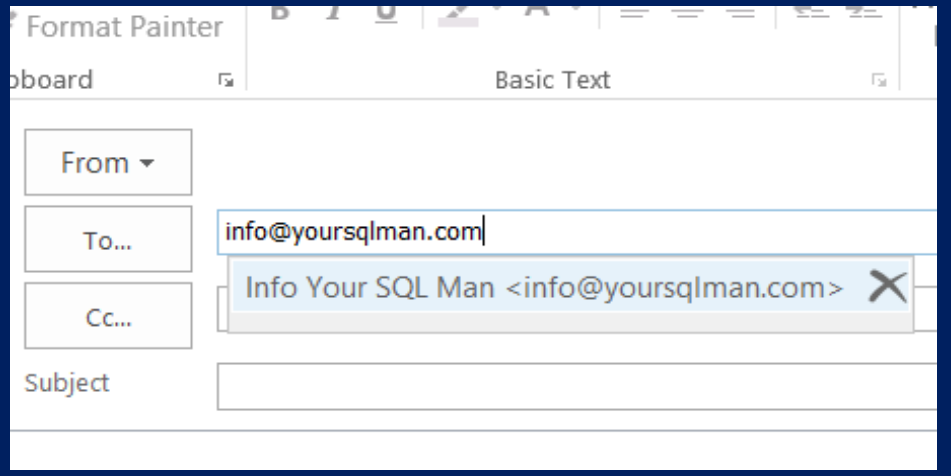
Microsoft CERTIFIED Solutions Associate SQL Server 2012

CompTIA CTT+ CERTIFIED

More Information

Please visit
www.yoursqlman.com

Email
info@yoursqlman.com



Information

Duration

- 65 minutes

You Know Where It Is

Please silence your phones & other devices

Any questions?

QUESTIONS

Database Developers

Database Administrator

BI Developer

Manage & Maintain Reports with Report Manager

Custom Applications

Objectives

On completion of this session, attendees will be able to better understand & have knowledge in

- Managing Reports
- Managing Security
- Linked Reports Techniques
- Report Subscriptions

- Report History and Snapshot options
- Editing Reports on Live
- Report Server Database

Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

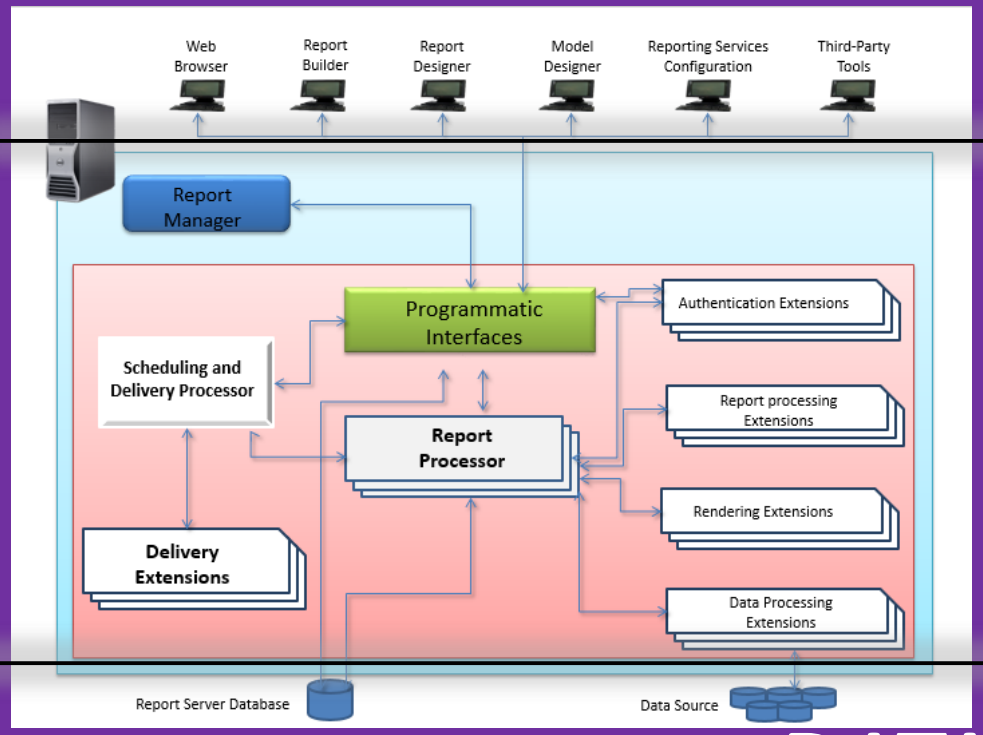
Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

SSRS ARCHITECTURE

SSRS ARCHITECTURE

Applications



Middle (RS)

DATA

KNOW ME – SSRS ARCHITECTURE

1. .NET FRAMEWORK BASED PLATFORM.
2. CONTAINS WEB SERVICES TO MANAGE REPORT PROCESSING.
3. ALLOWS PROGRAMMATIC INTERFACE TO CREATE CLIENT APPLICATION.
4. REPORT SERVER DB IS A VITAL COMPONENT OF REPORT SERVER.

REPORT SERVER MODES

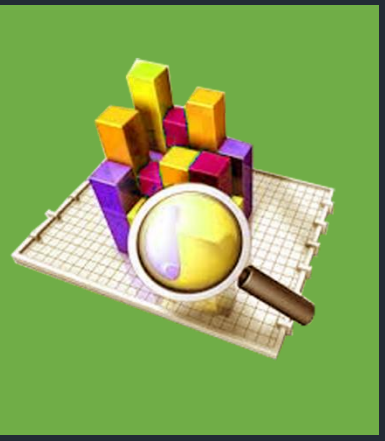
NATIVE MODE	SHAREPOINT MODE
LINKED REPORTS ✓	LINKED REPORTS ✗
MY REPORTS ✓	MY REPORTS ✗
MY SUBSCRIPTIONS ✓	MY SUBSCRIPTIONS ✗
RDL REPORTS ✓	RDL REPORTS ✓

Contents

SSRS ARCHITECTURE	**REPORT MANAGER OVERVIEW**	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

REPORT MANAGER OVERVIEW

- VIEW
- SEARCH
- PRINT
- SUBSCRIBE



- CREATE
- SECURE
- MAINTAIN
- ORGANIZE

ROLE BASED SECURITY

- Browser
- Content Manager
- My Reports
- Publisher
- Report Builder

- EXECUTION PROPERTIES
- HISTORY
- PARAMETER

RETRIEVE DATA FROM SSAS & RELATIONAL DATA SOURCES

ACCESS TO SPECIFIC ENTITIES

Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	**USER AD GROUPS SECURITY IN REPORT MANAGER**	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

USER AD GROUPS & SECURITY IN REPORT MANAGER

300+ REPORTS

100+ USERS

SECURITY

SECURITY

ROLE BASED

PERMISSION BASED

PRE-DEFINED ROLES

BROWSER

MY REPORTS

PUBLISHER

CONTENT MANAGER

REPORT BUILDER

SECURE INDIVIDUAL ITEMS

SECURE ITEM IN GROUPS

IS SITE SECURABLE?

ASSIGN SECURITY TO USERS/GROUPS

Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	**SUBSCRIPTIONS**
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

SUBSCRIPTIONS

SUBSCRIPTIONS ?

- ALTERNATIVE TO RUNNING REPORTS ON DEMAND
- STANDING REQUEST TO DELIVER REPORTS @ SPECIFIC TIME

DEFAULT DELIVERY EXTENSIONS

EMAIL (SMTP)

FILE SHARE

PUSH DELIVERY OF REPORTS BY USING E-MAIL

OFFLINE REPORT VIEWING

ARCHIVING REPORTS ON A SHARE

SEND LARGE REPORT TO DISK

PRE - LOAD THE CACHE

TARGET A DESKTOP APPLICATION AS A VIEWING DEVICE

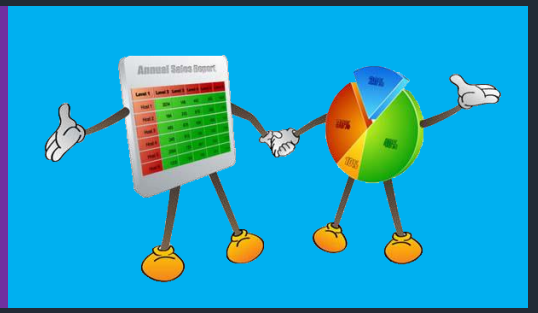
CUSTOMIZE REPORT OUTPUT FOR INDIVIDUAL USERS

Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

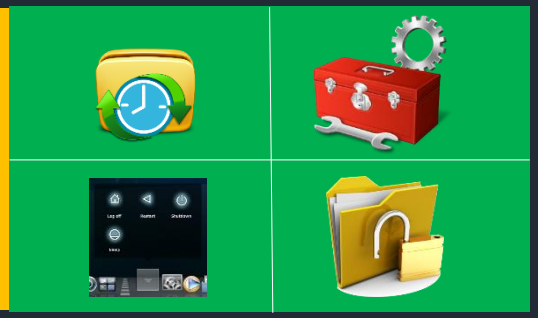
LINKED REPORTS

- REPORT SERVER ITEM
- EXISTING REPORT ACCESS POINT
- RETAINS ORIGINAL REPORT DEFINITION



- LINKED REPORTS CREATED IN REPORT MANAGER / MANAGEMENT STUDIO
- MULTIPLE LINKED REPORTS CAN BE CREATED FOR A PUBLISHED REPORTS.

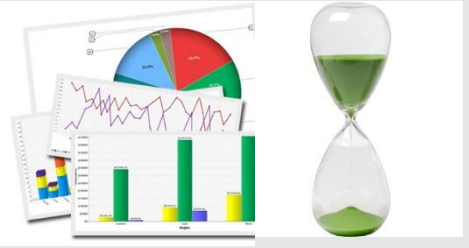
- BELOW ARE SPECIFIC TO LINKED REPORTS
  - PROPERTIES
  - SETTINGS
  - SECURITY
  - PARAMETER
  - SUBSCRIPTION & SCHEDULE



- AVOIDS DUPLICITY OF THE REPORT
- EASE THE REPORT MANGEMENT
- SUPPORT ECONOMIC STORAGE

DATA SOURCE PROPERTIES CANNOT BE SET FOR THE LINKED REPORTS

- LINKED REPORTS CAN BE MODIFIED
- CAN MOVE, DELETE & RENAME WITHOUT AFFECTING BASE REPORT
- HISTORIES OF LINKED REPORTS WILL BE AVAILABLE



Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	**REPORT HISTORY A KILLER OR SAVER ?**	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

REPORT HISTORY A KILLER OR SAVER?

COLLECTION OF REPORT SNAPSHOTS

USERS AVAILABILTY

DEMAND/SCHEDULE

REPORT HISTORY KILLER

MANUAL

AUTOMATIC

REPORT HISTORY SAVER

LIMIT THE COPIES OF REPORT HISTORY

Export Excel / PDF / HTML

Subscribe to Shared Drive

Backup Report Server DB

EDIT ITEM PERMISSION (VIEW/DELETE)

ROLE ASSIGNMENT (MANAGE/VIEW)

DATE/TIME AND SECURITY

MAINTAIN RECORDS OF REPORT SNAPSHOTS

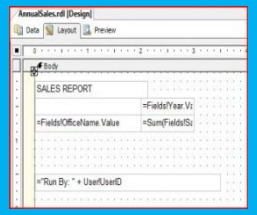
Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	**SNAPSHOTS AND COMPARISONS**	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

SNAPSHOTS AND COMPARISONS

REDUCE LOAD ON DATABASE

SCHEDULE PROCESS



LAYOUT INFORMATION

SNAPSHOT

DEMAND PROCESS

DEVICE/ BROWSER

HISTORY

PROCESSING

MINIMUM STORAGE

OFFPEAK HOURS/ PEAK HOURS

DATA ANALYSIS

DECISION MAKING

FUTURE ENHANCEMENTS

Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	**CAN I OVERRIDE REPORT SERVER DB ?**
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

CAN I OVERRIDE REPORT SERVER DB ?

REPORT SERVER DATABASES

REPORTSERVER DB

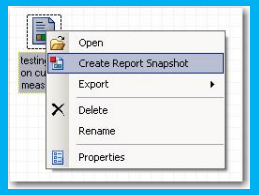
REPORTSERVER TEMP DB

REPORT SERVER DB CONTENTS

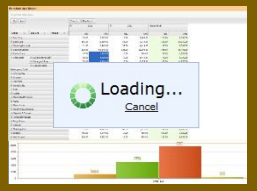
ITEMS MANAGED BY REPORT SERVER

SUBSCRIPTION AND SCHEDULE DEFINITION

REPORT SNAPSHOTS & REPORT HISTORY



REPORT EXECUTION LOG DATE, ECNCRYPTED CONNECTION AND CREDENTIALS



SOME FACTS

TABLE STRCTURE IS USED TO OPTIMIZE SERVER OPERATION

MICROSOFT MAY CHANGE THE TABLE STRCTURE FROM ONE VERSION TO ANOTHER

CHANGES TO THE TABLE IMPAIR REPORT SERVER OPERATIONS

MODIFICATION OR CHANGES PREVENT FUTURE OR APPLY SERVICE PACKS

Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	ADMIN DASHBOARD	DEMOS	Q & A

REPORT BUILDER A CLOSER LOOK.

REPORT AUTHORING TOOL/ END USER TOOL

REPORT MANAGER WEBSITE

DATA SOURCE

- REPORT BUILDER RIBBON
  - LAUNCH TABLE
  - CHART AND MAP WIZARDS
  - FORMAT REPORT DATA

- REPORT BUILDER CAPABILITY
  - DESIGN
  - DEPLOY
  - EXECUTE

- IF YOU DESIGN A REPORT SPECIFY BELOW POINTS
  - WHERE TO GET DATA
  - WHICH DATA TO GET
  - HOW TO DISPLAY DATA
  - WHEN YOU RUN THE REPORT

SQL SERVER | SQL AZURE | ORACLE | SAP NETWEAVER BI

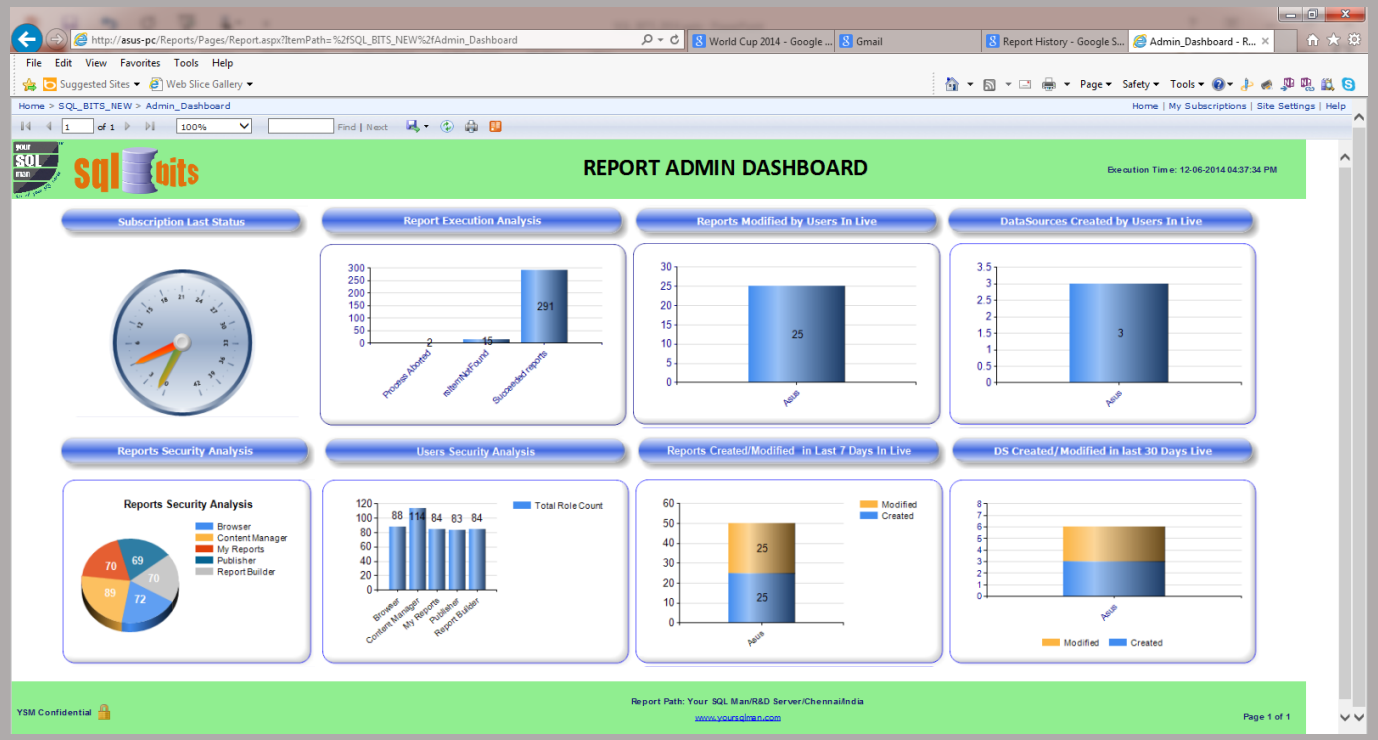
PRESENT YOUR DATA USING
- DATA VISUALIZATION
- DATA REGIONS WIZARDS

DATA REGIONS
- TABLE WIZARD
- MATRIX WIZARD
- LIST WIZARD

Contents

SSRS ARCHITECTURE	REPORT MANAGER OVERVIEW	USER AD GROUPS SECURITY IN REPORT MANAGER	SUBSCRIPTIONS
LINKED REPORTS	REPORT HISTORY A KILLER OR SAVER ?	SNAPSHOTS AND COMPARISONS	CAN I OVERRIDE REPORT SERVER DB ?
REPORT BUILDER A CLOSER LOOK	**ADMIN DASHBOARD**	DEMOS	Q & A

ADMIN DASHBOARD.



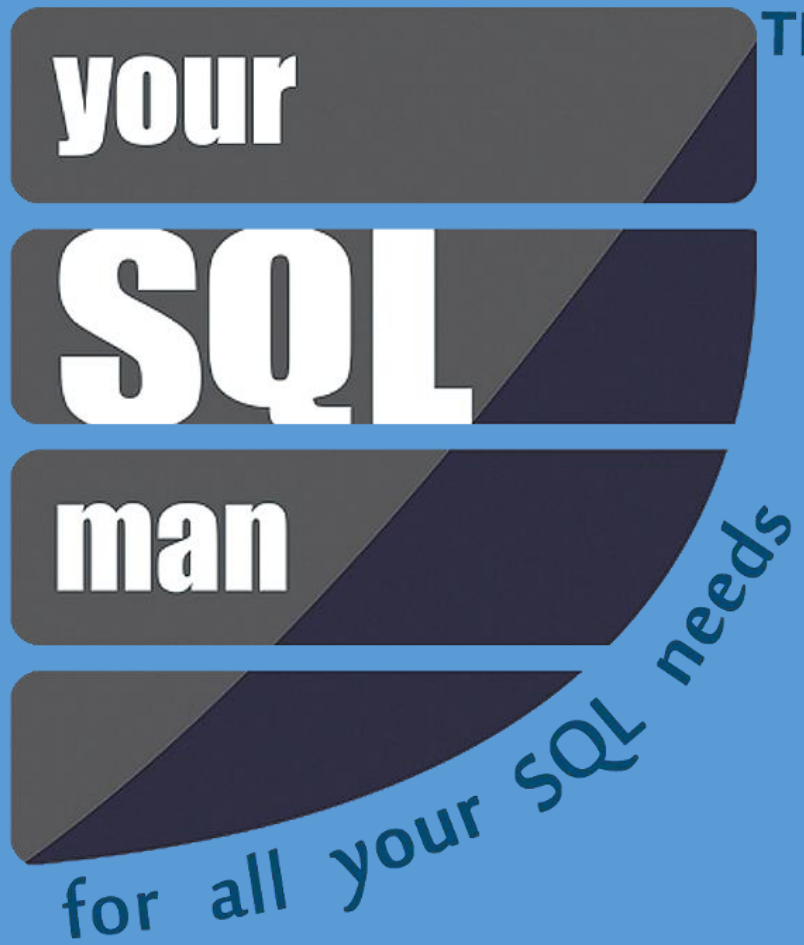
REPORT SERVER PERFORMANCE PLATFORM

BIRD'S EYE VIEW FOR THE WHOLE REPORT SERVER

EASY MONITORING OF REPORT SERVER

AID TO TROUBLESHOOT PERFORMANCE ISSUES

Q & A



THANK YOU

நன்றி

PYRAMID
ANALYTICS

Microsoft

DELL
Software

XLCubed
Business Intelligence for the Intelligent Business

Coeo

SQLSENTRY

ATTUNITY

CONFIO
is now
part of
solarwinds

Pragmatic
Works

AMMONITE
GROUP

adatis