

WEBCON BPS Installation guide



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1. Prerequisites

WEBCON BPS 2019 introduces several methods of installation that take into account different platforms and users' needs. The following document describes the most elaborate installation variant on Microsoft SharePoint.

1.1. Software.

- Windows Server 2012 R2 or higher.
- .NET Framework 4,7
- .NET Core Hosting Bundle 2.0.9
- Microsoft SharePoint Foundation 2013 or Microsoft SharePoint Server 2013/2016/2019.
- MS SQL Server 2012 or higher (full text search mode required).
- Active Directory environment.

1.2. Hardware.

1.2.1. Hardware scenarios

There are 3 basic scenarios in terms of WEBCON BPS' hardware requirements:

- 1. Minimum installation for test, demo and small (up to 10 end users) production environments
- 2. Recommended installation for production environments
- 3. Adding more servers, redundancy, etc.

1.2.2. Minimum requirements – "all-in-one installation".

In case of minimal configuration for running WEBCON BPS, one may use a single machine with software given below:

- Windows Server 2012 R2 or newer
- SharePoint Foundation 2013
- SQL Server 2012 Express with Advanced Services (Full Search component is necessary)
- Configured Active Directory service

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Pic 1. Diagram of "all-in-one" WEBCON BPS installation

Hardware requirements for such installation should correspond with hardware requirements for installation of SharePoint Foundation 2013 on a single server. Such requirements are shown in a table below (according to <u>requirements listed by Microsoft</u>):

Installation scenario	Deployment time and scale	RAM	Processor	Hard Disk space
Single server with a built-in database or single server that uses SQL Server	Development or evaluation installation of SharePoint Server 2013 or SharePoint Foundation 2013 with the minimum recommended services for development environments.	8GB	64-bit, 4 cores	80 GB for system drive
Single server with a built-in database or single server that uses SQL Server	Development or evaluation installation of SharePoint Server 2013 or SharePoint Foundation 2013 running Visual Studio 2012 and the minimum recommended services for development environments.	10GB	64-bit, 4 cores	80 GB for system drive

It is recommended to use at least 12GB of RAM

Please note! It is possible to use **SQL Server Express 2012**, but the size of single database will be **limited to 10 GB**. Machine with given parameters, allows to run WEBCON BPS <u>only for</u> <u>tests or small production</u> installation operating **up to 10 end users**.



1.2.3. Recommended requirements.

Recommended requirements for WEBCON BPS assume two, separate servers for MS SQL and SharePoint. Take a look at the picture below:



WEBCON BPS Installation

Pic 2. Recommended configuration for WEBCON BPS installation

Tables below describe suggested parameters for both servers:

Database server

System	Database	Processor	RAM	Hard disk
Windows 2012 R2	SQL 2012 Server Standard	64-bit, 4 cores	32 GB (minimal); 1/3 of database size (optimal)	 Storage for system files (RAID1): 140GB Fast HDD for tempdb database: 100GB Fast HDD (RAID10) for data files (size depends on number of workflow elements): 200GB

SharePoint Foundation 2013 or SharePoint Server 2013/2016/2019

System	Processor	RAM	Hard disk
Windows 2012 R2	64-bit, 4 cores	8GB (minimal); 16GB (recommended)	Storage for system files (RAID1) 140G



Notes:

- SharePoint databases will reside on SQL Server
- All WEBCON BPS components will be installed on SharePoint server (except database).
- Full redundancy for each component (SQL Server, SharePoint, WEBCON BPS) can be applied. For details contact us directly.

1.3. Permissions:

- Separate account in Active Directory for the purpose of WEBCON BPS service needs to be created
- WEBCON BPS service account should be different than SharePoint and SQL account
- Installation account must have permissions of SharePoint farm administrator and also administrator of site collection on which WEBCON BPS will be installed
- Installation account must have db_owner permissions for configuration databases and SharePoint content
- Installation account must have sys_admin permissions for SQL Server where WEBCON BPS will be installed
- Installation account must have local admin permissions for machine on which WEBCON BPS will be installed
- MS SQL Service as well as SharePoint should work in context of a dedicated AD account

Notes:

- If SQL Server runs in Windows Authentication mode then account for application pool must have permissions to WEBCON BPS database
- SharePoint application pool must have permissions to SQL Server
- After installation, the site on which WEBCON BPS has been installed should be added to local intranet sites

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2. Introduction

The Installer is a tool that facilitates the installation and implementation of products dedicated for Microsoft SharePoint.

This application has multiple uses, including:

- Verification of permissions and components needed to install WEBCON BPS,
- Installation of WEBCON BPS for SharePoint,
- Installation of WEBCON BPS for Windows (desktop application)
- Installation of other required components required for WEBCON BPS to run correctly,
- Migration of databases,
- License management.



3. Installation.

WEBCON BPS 2019 introduces several methods of installation that take into account different platforms and users' needs. The following description applies the most elaborate installation scenario on the Microsoft SharePoint platform.

3.1. Initialization.

After downloading and unpacking a demo version of WEBCON BPS, open folder and double click on setup.exe

3.2. License acceptance.

In order to begin installation, you have to accept End User License Agreement. To do so check 'Accept' and click 'Next'.





3.3. Installation mode choice

The WEBCON BPS system uses one shared installer for multiple purposes:

- Installing the system
- Upgrade to newer version and/or adding new features to the system
- Installing WEBCON BPS Designer Studio as an independent component
- Launching system conservation tools
- Uninstalling the product



After selecting **New installation of WEBCON BPS**, a window will appear allowing you to select the type of environment on which the WEBCON BPS platform will be installed.



CO	WEBCON BPS Installer - 2019.1.0.10692		
WEB C O N	Environment choice		
Installation mode choice			
 Environment choice Installation package choice 	SharePoint Installation on local SharePoint server for which basic user authentication provider is local Active Directory domain		
	StandAlone for Office 365 Installation on local Windows server for which basic user authentication provider is Azure Active Directory (o365) domain		
	StandAlone Installation on local Windows server for which basic user authentication provider is local Active Directory domain		

For this scenario, select SharePoint.

For the SharePoint platform, there are two possible types of installation depending on the desired component configuration on SharePoint sites.

The option: **WEBCON BPS Portal + WEBCON BPS Classic** will install the platform along with all new features related to the presentation layer introduced in WEBCON BPS 2019, as well as all features and functionalities from previous versions of the system (including classic Web Parts and the classic form). After Installing, the administrator of the WEBCON BPS platform may switch between different features at any moment.

00	WEBCON BPS Installer - 2019.1.0.10692	x
WEB CƏN	WEBCON BPS installation package choice	
Installation mode choice		
 Environment choice Installation package choice 	WEBCON BPS Portal + WEBCON BPS Classic	
	WEBCON BPS Portal	



3.4. System verification.

The installer will automatically check if your environment fulfills basic requirements.

- you are good to go

- there were problems with verification. Check system's messages available on the bottom of the window (four icons indicating: error, warnings, information, successful steps)

If everything is in order, click Next.

CO WEBCON BPS Installer - 2019.1.1.43			×
	System components		
	A System	Microsoft Windows Server 2016 Datacenter(Microsoft Windows NT 6.2.9200.0)	~
Installation	🚯 IIS	Version 10.0	~
Component selection	NET Core	.NET Core installed.	~
 SQL connection parameters Database creation parameters 	.NET Core Hosting Bundle	Microsoft .NET Core 2.0.9 - Windows Server Hosting installed.	~
 Configuration database creation Content database creation 	.NET Framework 4.7	.NET Framework 4.7 installed	~
 Attachments database Archive database 	👸 SharePoint version	2013	~
 IIS Website creation Destal address configuration 	SPTimer service	Service is working (feature deploy is available)	~
 Portal address configuration Users list 	SPAdmin service	Service is working (feature deploy is available)	~
 Service configuration Service status 	Available web applications	Web application found	~
> Finish	Privileges		
	🚨 Local user	Administrator privileges	1
	SharePoint user	Administrator privileges	4
🔕 0 🛕 0 🚯 4 🗸 2		ියි Main menu 🤇 Back Skip	\gg Next $>$

System – Windows Server family operating system will suffice.

SharePoint version – Version of SharePoint installed on a server will be checked. For the verification to proceed correctly, the user running the installation must:

- be an administrator of a site collection
- have permissions to SharePoint configuration database.

SPTimer and SPAdmin services – In order to install SharePoint components, both SPTimer and SPAdmin services need to be running.

Local user – In order to install applications, local computer administrator privileges are required.

SharePoint user – Installation of SharePoint components can proceed only if currently logged in user is a site collection administrator and have access to SharePoint configuration database.



3.5. Components selection

CĐ	WEBCON BPS Installer - 2019.1.0.10692		X
	WEBCON BPS Components	Available ver.	Current ver.
	WEBCON SharePoint Core Set of additional components for SharePoint	2.5.2021.0	Not installed + Installation •
 System verification Component selection SQL connection parameters Database creation parameters Configuration database creation Content database creation Attachments database 	 WEBCON BPS Classic SharePoint application for processing WEBCON BPS workflows WEBCON BPS WorkFlow Service Windows Service responsible for the automation of events in WEBCON BPS WEBCON BPS Designer Studio Tool for workflow configuration and system parameterization 	2019.1.0.10692 2019.1.0.10692 2019.1.0.10692	Not installed Not installed
 Archive database Portal address configuration Site configuration Users list Finish 	ວ WEBCON BPS Portal ອ WEBCON BPS Search Server	2019.1.0.10692	Not installed + Installation •
	€ WEBCON BPS Modern WebParts	2019.1.0.10692	Not installed + Installation -
	Other Components	Available ver.	Current ver.
	WEBCON BPS External Users Module Module handling users from external authentication providers	2019.1.0.10692	Not installed DEN Skip
	€ WEBCON BPS Modern WebParts for Office 365	2019.1.0.692	⊳⊳⊧ Skip ▼
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The installer will suggest components which are essential to ten platform.

NOTE:

When installing on MS SharePoint 2016 or 2019 platforms, the **WEBCON BPS Modern WebParts** option will require the existence of a so-called **App Catalog** on the SharePoint server (according to Microsoft's instructions).



3.6. Component installation.

The next screen displays the component installation summary. The system will display a list of defined SharePoint Web Applications. This list is used for selecting Web Applications on which the WEBCON BPS feature will be activated.

The administrator may choose the installation catalog for elements of the WEBCON BPS platform as well as for the BPS search component.

NOTE:

The catalog in which the search tool for WEBCON BPS (BPS Search server) will be installed will also store search index files. Due to this, it should be located in a place which contains sufficient free space to store these search index files (roughly 20% of the volume of WEBCON BPS databases).

Select the desired items and click 'Next' to proceed.

co	WEBCON BPS Installer - 2019.1.0.10692
	Installation summary
	Following components will be changed:
Installation	Installation - WEBCON SharePoint Core Installation - WEBCON BPS Classic Installation - WEBCON BPS WorkFlow Service
 System verification Component selection Components SQL connection parameters Database creation parameters Configuration database creation Content database creation Attachment database 	 Installation - WEBCON BPS Designer Studio Installation - WEBCON BPS Portal Installation - WEBCON BPS Search Server Installation - WEBCON BPS Modern WebParts
Archive database	Web Applications for feature activation
 > Portal address configuration > Site configuration > Users list > Finish 	Select URL address URL address
	Directory for WorkFlow components installation
	Directory for BPS Search Server component installation
	C:\Program Files\WEBCON Chance
S 0 ▲ 0 1 5 √ 2	🖓 Main menu < Back Skip $>>$ Next >



3.7. SQL Connection parameters

Type an address of the server where WEBCON BPS will be installed. It is recommended to use integrated authentication. Click Next to proceed.

Please note: the provided user must have permissions to the SQL database.

со		WEBCON BPS Installer - 2019.1.0.10692
WEBCON	SQL server of Enter connectio This database v	onnection parameters In parameters to an SQL server on which the WEBCON BPS database will be created. Will be used to store workflow instances, attachments and system configuration.
Installation ✓ System verification ✓ Component selection ✓ Components	It is possible for In such a case, server level, and	the SQL server admin to prepare empty databases prior to the installation of WEBCON BPS. the usemame/login in the context which WEBCON BPS will connect to the databases should have the 'public' role assigned on SQL d also 'dbowner' privileges on the prepared databases.
 SQL connection parameters Database creation parameters Configuration database creation Content database creation Attachments database tacking database 	Server: User:	SQL2016
Arcnive database IIS application creation	Password:	

3.8. Database creation parameters

At this point it is possible to set the Unicode parameter to 'Yes' if SharePoint site needs to display some special characters like *Umlaut* for German language.

If new SQL user is created he will be granted database owner permissions.

In order to use SQL login, it is required to enable mix-mode on SQL server instance.

Selecting NT user as a database owner is possible only if there is application pool account available to select.

Click 'Next' in order to proceed.

CO	WEBC	ON BPS Installer - 2019.1.0.10692		
WEB CON	Databases language sett Specify default language and cr included in the standard encodi	Databases language settings Specify default language and collation for new created databases. Select Unicode mode if databases will store data containing characters that are not included in the standard encoding.		
Installation				
✓ System verification	Default language:	English ·		
Components Components Sol connection parameters	Unicode mode:	Yes		
 Database creation parameters Configuration database creation 	Databases owner Specify an account name that w databases.	will be set as the databases owner. The account will be used to connect a SharePoint site to the WEBCON BPS system		
Content database creation Attachments database Archive database	O Create new SQL login			
 > Archive database > IIS application creation 	User:	BPS_SQLUser		
 Portal address configuration Site configuration Continue configuration 	Password: Confirm password:			
Service configuration Users list	O Use existing SQL login	BPS_SQLUser ~		
Service status Search Server configuration Finish	Use NT user			
> Finish	Application pool account:	WEBCON\svc.bps		



3.9. Configuration database creation

Database creation is divided into three steps. First, the user creates a configuration database and choose a database type.

The time zone selector is inactive by default, and shows database time zone. If the installer is unable to automatically find the time zone, the user will be able to select appropriate time zone manually.

By default, the configuration database is named BPS_Config.

CD	WEBCON BPS Insta	ller - 2019.1.0.10692	x
WEB C O N	Farm configuration database creation Set name for farm configuration database.		
Installation	Database name:	BPS_Config	
 System verification Component selection Components SQL connection parameters Database creation parameters Configuration database creation Attachments database Archive database If's application creation Site configuration Site configuration Service configuration Users list Search Server configuration Finish 	Database type: Time zone from database server setting:	Production (UTC+01:00) Sarajevo, Skopje, Warsaw, Zagreb	• •
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3.10. Content database creation

At this point, the user creates a new content database. There's also a list of all content databases already associated with configuration database available. After specifying database name (by default BPS_Content) and its acronym, click "Next" to proceed with installation.

со	WEBCON BPS Installer - 2019.1.0.10692			
WEB CƏN	Configuration database connection settings Content database will be associated with WEBCON BPS configuration database (its connection details have been presented below). In case you want to associate the content database to other configuration database click Change connection parameters' button.			
Installation System verification Component selection SQL connection parameters SQL connection parameters Configuration database creation Content database creation Attachments database Archive database Archive database IIS application creation Attachments configuration Site configuration Site configuration Service configuration Service satus Search Server configuration Search Server address Finish	associate the content database to other configuration database click change connection parameters botton. Server: SQL2016 User: [Integrated Autentication] Database: J_BPS_Config Content database Specify a name of the content database acronym is the unique identifier of the process database. It can contain from 31 to 6 alphanumeric characters. It is used to distinguish to which process database element belongs. It is placed in 2D barcodes and in e-mail correspondence by WEBCON BPS addin for Microsoft Outlook. Content databases connected with configuration database: Endet belongs. It is placed in 2D barcodes and in e-mail correspondence by WEBCON BPS addin for Microsoft Outlook. Database: BPS_Content Database: BPS_Content Database acronym: CPP			
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3.11. Administrator privileges for the WEBCON BPS platform

After creating the main content database for WEBCON BPS, the installer can be used to assign which users will have administrator privileges in the WEBCON BPS platform.

The user currently running the installer will be automatically added to the group of WEBCON BPS platform administrators.

со	WEBCON BPS Installer - 2019.1.0.10692
CD Component selection Component selection Components SQL connection parameters SQL connection parameters Configuration database creation Configuration database creation Content database creation	WEBCON BPS Installer - 2019.1.0.10692 Configuration database connection settings Content database will be associated with WEBCON BPS configuration database (its connection details have been presented below). In case you want to associate the content database to other configuration database click Change connection parameters' button. Server: SQL2016 User: [Integrated Autentication] Database: J_BPS_Config Content database to be created and its acronym. You can find the list of other content databases that are already associated with selected configuration database. Content database acronym is the unique identifier of the process database. It can contain from 3 to 6 alphanumeric characters. It is used to database to database database database and in e-mail correspondence by WEBCON Co System administrator privileges granted
 Attachments database Archive database IIS application creation Portal address configuration Site configuration Service configuration Users list Service status Search Server configuration Search Server address Finish 	Image: System administrator privileges on the newly created process database J_BPS_Content. You can manage system administrator privileges using WEBCON BPS Designer Studio as well as the WEBCON BPS System Administrators tool available in the WEBCON BPS Designer Studio installation folder. Image: Manage privileges Image: Manage privileges Database: J_BPS_Content Database acronym: CPP
O ▲ 0 0 15 √ 10	Main menu Kack Skip Next

Privileges can be managed after completing the installation directly in WEBCON BPS Designer Studio.



3.12. Attachment database

Just like with content database creation, it is possible to create new attachments database and see a list of ones already associated with content database.

co	WEBCON BPS Installer - 2019.1.0.10692			
WEB C O N	Configuration database connection settings Attachments database will be associated with WEBCON BPS system database (its connection details have been presented below). In case you want to associate the attachments database to other system database click 'Change connection parameters' button.			
 Installation System verification Component selection Components SQL connection parameters Database creation parameters Configuration database creation Content database creation Attachments database Attachments database Attachments database Attachments database IIS application creation Ster configuration Ster configuration Stervice configuration Users list Search Server configuration Search Server address Finish 	Server: SQL2016 User: [Integrated Autentication] Database: J_BPS_Config Attachments database to be created. You can find the list of other attachments databases that are already associated with selected content database. You can create a dedicated attachments database per each process automated by WEBCON BPS. You can skip creation of atachments database to store attachments in content database per each process automated by WEBCON BPS. You can skip creation of attachments databases: J_BPS_Content Attachments databases: J_BPS_Content Attachments databases: J_BPS_Content_Att Database: J_BPS_Content_Att			
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3.13. Archive database

Starting with WEBCON BPS 2016, it is possible to transfer archival data from the main database to a dedicated archive database. The installer may be used to create as many archive databases as necessary.

CĐ	WEBCON BPS Installer - 2019.1.0.10692
	Configuration database connection settings Archive database will be associated with WEBCON BPS system database (its connection details have been presented below). In case you want to associate the archive database to other system database click 'Change connection parameters' button.
 System verification Component selection SQL connection parameters Database creation parameters Configuration database creation Content database creation Attachments database Archive database IIS application creation Portal address configuration Site configuration Service configuration Users list Search Server configuration Search Server address Finish 	Server: Sult2016 User: [Integrated Autentication] Database: J_BPS_Config Image: Department of the archive database Image: Department of the archive database to be created. You can find the list of other archive databases that are already associated with selected content database. You can create a dedicated archive database per each process automated by WEBCON BPS. You can skip creation of archive database. □ Do you wish to create an archive database? Content database: □_BPS_Content √ Archive databases: □ J_BPS_Content ✓ J_BPS_Content_Arch
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3.14. WEBCON BPS Portal installation – IIS application creation

WEBCON BPS 2019 introduces a new feature: WEBCON BPS Portal.

In order to use Portal, it is necessary to create an additional application on the IIS server in the Microsoft SharePoint Web Application.

The administrator has to create a dedicated application pool for WEBCON BPS Portal.

MEDOON	IIS application creation			
WEBCON	Choose an IIS site on which the Portal application will be created. Define whether the created application should use the application pool from the chosen IIS site, or create a new pool. When creating a new pool, provide a name, username, and password.			
Installation				
System Verification Component selection Components	IIS application IIS site: SharePoint - 80 ~			
 SQL connection parameters Database creation parameters 	IIS alias: WEBCONBPS http://demo/WEBCONBPS			
 Configuration database creation 	Application pool			
 Content database creation IIS application creation Portal address configuration Site configuration Service configuration Users list Service status Search Server configuration Search Server address Finish 	Mode: Create new application pool Name: WEBCONBPS User:			
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3.15. WEBCON BPS Portal Installation – Portal address configuration

In this step, it is possible to define the URL address under which WEBCON BPS Portal will be available.

It is recommended to use fully qualified domain names (FQDN).

co	WEBCON BPS Installer - 2019.1.0.10692	X
WEBCON	Configuration database connection settings Server: SQL2016	
Installation	Database: J_BPS_Config	
System verification	Portal address configuration	
 Component selection Components SQL connection parameters Database creation parameters Configuration database creation Content database creation Attachments database Attachments database Archive database IIS application creation Portal address configuration Site configuration Site configuration Users list Search Server configuration Search Server address Finish 	Portal url: https://pj.webcon.pl Portal virtual catalog: //BPSPortal	
😒 0 🛕 0 🚯 17 🗸 10	G Main menu <	Back Skip >>> Next >



3.16. Site configuration

It is recommended to create a new site for WEBCON BPS. By default, the system will create a new site called 'BPS' belonging to the root site.

There are two methods of configuring the connection to the content database:

- 1. SQL Authentication (SQL Login)
- 2. NT Authentication (Integrated security)

In the first case, to connect to system elements (Designer Studio, Site part), the SQL account must have Database Owner permissions on configuration and content databases.

In the second case (integrated security), the SharePoint part works in the context of the application pool account, and Designer Studio works in a context of the currently logged user.

NOTE: The service always uses the provided service account to connect with BPS databases.

All accounts (including the service account) need to have Database Owner permissions on both configuration and content databases. This means that Database Owner permissions are required for:

1. SQL account and Service account in the first scenario (SQL Authentication)

2. Application Pool account, Current user, and Service account in the second scenario (NT Authentication)

Click next to proceed to the next step.

со	WEBCON BPS Installer - 2019.1.0.10692
CO Component selection Component selection Component selection Components SQL connection parameters Configuration database creation Content database creation Content database Artachments database Artachments database Content database	WEBCON BPS Installer - 2019.1.0.10692 Configuration database connection settings Site will be created for content database associated with configuration database specified below. Server: SQL2016 User: [Integrated Autentication] Database: J_BPS_Config Site configuration Specify connection details to the site that will be used or created for WEBCON BPS. The site will be used by system end users thus some basic webparts will be added by default to allow the following: viewing documents and tasks, starting new workflows, analysing worflow performance. You will be able to change site configuration or create new WEBCON BPS sites later using SharePoint. Database connection parameters are used for the feature configuration on the site. All connections to the database from sites will be set for the given user. Site collection: http://pj.webcon.pl/ Content database connection settings: Site language: English Content database: @ Create new: SQL login
 Site configuration Service configuration Users list Service status Search Server configuration Search Server address Finish 	Ste: /-Root site User: • Name: BPS Password: • Title: WEBCON BPS • Integrated security Description: • Integrated security Application pool account: WEBCON/svc.bps O Configure existing one: • • Integrated security Name: • • • Value: • • • Mane: • • •



3.17. Service configuration

At service configuration step, it is required to enter login and password of an existing domain user in order to handle services such as: OCR, Exchange, Barcodes, controls etc.

Check "Remember for service update" in order to save time in the future and have those information filled in automatically during the system update.

Installation allows to specify service roles during installation. By default only basic features, License service and SOLR Reindexer (search).

It is also possible to set appropriate WEBCON BPS content databases on which service will be run.

CO	WEBCON BPS Installer	r - 2019.1.0.10692
WEB CON	Service configuration Workflow Service is used to handle importing attachm	nents from shared folders and Exchange email inboxes, control actions, OCR documents, handle
System verification Component selection Components	Service account Login: WEBCON\svc.bps Password: ••••••••• Remember for the service upda	Example: domain\login
 SQL connection parameters Database creation parameters Configuration database creation Content database creation Attachments database Archive database 	Farm configuration database Server: SQL2016 User: [Integrated Autentication] Database: J_BPS_Config Associated process databases	Change connection parameters
 IIS application creation Portal address configuration Site configuration Service configuration Licerc list 	J_BPS_Content Service roles Basic features	Workflow instance archiving
 Service status Search Server configuration Search Server address Finish 	Folder monitoring: import of scanned files Fmail/MailApproval inbox monitoring OCR AI Al Analysis	 □ Exchange rates synchronization ☑ License service ☑ SOLR indexer
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3.18. Users list synchronization configuration

WEBCON BPS synchronizes certain user data from Active Directory domain(s) in order to increase efficiency with which the system references the AD.

со	WEBCON BPS Installe	er - 2019.1.0.10692	
WEBCƏN	Configuration database connection setti Server: SQL2016	ngs	
Installation	User: [Integrated Autentication] Database: J_BPS_Config	🔀 Choose configuration database	
System verification Component selection Components SQL connection parameters Database creation parameters Configuration database creation	Users list synchronization configuration Choose the synchronization source Synchronization source: Active Directory Domains and organizational units selection for Active webcon al	V Directory synchronization	
Content database creation Attachments database Archive database	Active Directory connection parameters	Users list synchronization schedule	
 IIS application creation Portal address configuration Site configuration Service configuration 	Service account Other: Login: Password:	12:00 AM 03:00 AM 06:00 AM 09:00 AM 12:00 PM ✓	
 Users list Service status 	Use SSL connection	Schedule is shared between all processes databases.	
 Search Server configuration Search Server address Finish 	SharePoint user synchronization parameters SharePoint user and group synchronization requires an address of a SharePoint Site that has an active WEBCON BPS Configuration feature. Synchronize SharePoint users Site address: http://pj.webcon.pl/PPJJ		
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Select one or multiple domains from which user data will be synchronized. It is possible to select the entire domain (root) or only specific Organization Units (OU).

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By default, the WEBCON BPS system will attempt to access user data from the Active Directory via the provided WEBCON BPS service account. If the service account in question does not possess the required privileges, it will be necessary to provide an alternative account, which the system will be able to access data in the specified domains/organization units.

It is also necessary to set up a schedule for future synchronizations with the Active Directory.



3.19. Service status.

Initially, after the installation service will be inactive. You can start it manually by clicking 'Start service' or click Next, which will achieve the same result and also to go to the next step automatically.

co	WEBCON BPS Installer - 2019.1.0.10692
Keter System verification System verification Component selection Components Sol connection parameters	Service status Workflow Service is used to handle importing attachments from shared folders and Exchange email inboxes, control actions, OCR documents, handle substitutions, pirit barcodes and more. Service status: Image: Service is running Image: Start service Start service
 Database creation parameters Configuration database creation Content database creation Attachments database Archive database IIS application creation Portal address configuration Site configuration Service configuration Users list Search Server configuration Search Server address 	Stop service Service messages: 11:44:58 AM - Service started successfully
 Finish 8 0 4 0 1 18 16 	🖧 Main menu < Back Skip ≫ Next 🗦



3.20. Search server installation

WEBCON BPS 2019 introduced a new search engine. The administrator may provide a dedicated port for the search engine, they may also specify an amount of RAM that will be used by the service.

Finally, the administrator may set a password for both the administrative user of the search engine (login: solr), and for the user in the context of which the search engine will index the databases (login: WEBCON_BPS).

co	WEBCON BPS Installer - 2019.1.0.10692
	Configuration database connection settings Server: SQL2016 User: [Integrated Autentication] Database: J_BPS_Config Server: Server: Database: J_BPS_Config
 System verification Component selection Components SQL connection parameters Database creation parameters Configuration database creation Content database creation 	Specify the port on which the Search Server service will run. The system will also automatically use the port with a number 1000 greater for the Zookeeper service. Please make sure that both these ports are available to all WEBCON BPS components. Provide the user passwords used by the Search Server service. Please remember to safely store the Soir admin password. It is not remembered anywhere in the WEBCON BPS system.
 Attachments database Archive database IIS application creation Portal address configuration Site configuration 	Fort: 0304 For ZooKeeper port 9984 will be used Memory: 2GB Maximum amount of memory, that search server can use (2GB recommended) IP address: 192.168.11.215
 Service configuration Users list Service status Search Server configuration Search Server address Finish 	This IP will be used by BPS for connecting with Solr Users passwords solr: Admin user, can log in to Solr Admin page WEBCON_BPS: User used by BPS for connections with Solr
😵 0 🛕 0 🚯 18 🗸 16	Tru Main menu $<$ Back Skip $>>$ Next $>$



3.21. Installation finished

CO	WEBCON BPS Installer - 2019.1.0.10692	x
WEBCON Installation	Installation finished Performed operations:	
 Component selection Components SQL connection parameters Database creation parameters Configuration database creation Content database creation Attachments database Attachments database Archive database IIS application creation Portal address configuration Site configuration Service configuration Users list Search Server configuration Finish 	 System verification Component selection SQL connection parameters Database creation parameters Configuration database creation J_BPS_Config Content database creation J_BPS_Content Attachments database J_BPS_Content_Att Archive database IIS application creation Portal address configuration Site configuration 	
S 🖸 🔔 0 📵 18 🗸 16	🖧 Main menu X	Finish

WEBCON

4. First launch of WEBCON BPS Designer Studio

Once the installation process is complete, you may launch the tool that will be used to manage all aspects of the WEBCON BPS platform – WEBCON BPS Designer Studio.



After launching the program, an authentication window will appear where you will need to provide the WEBCON BPS Portal address defined during the installation process.

ଦ୍ଧ Portal a	uthentication			х
Portal URL:	https://pj.webcon.pl/BPSPortal			
	Log in via browser		Connect	
	WEBCON			
	WEBCON RDS Portal			
	WEBCON BPS Portai			



Once successfully logged in, you are able to begin using WEBCNON BPS!

() [*] [*]	WEBCON Business Process Suite - Designer Studio	_ = ×
Tasks Appearance		<u>()</u>
Choose application> Vew Vew Vew Vew Vew Vew Vew Vew	Welcome to WEBCON BPS Designer Studio! You are currently in the command center of WEBCON BUSINESS PROCESS SUITE	
	This is where you can find everything you need to conveniently deliver and modify comprehensive business applications for Microsoft SharePoint:	
	 Drag and drop complete applications using a graphical designer. Control the behavior and logic of your applications with business rules. Modify them on the fly, nest and re-use to manage changes efficiently. Start workflows based on external events. Leverage data from your ERP, CRM, SharePoint or any other third party system using web services and direct database connectivity. 	
Applications	To help you begin using the system, we've prepared several video tutorials presenting how basic features work and how can they be configured:	
Plugins Loaded Portal: https://pi	Processes mental text Restanded (Server & Bender) (Server & Server & Serv	0.10692

WEBCON

5. License activation

Right after installation, the WEBCON BPS platform will operate in DEMO mode (full features, limited by 90 day period).

In order to switch from DEMO to production mode, activate the license obtained when purchasing the product.

License activation is possible in WEBCON BPS Designer Studio, as well as in the installer.

5.1. License activation in WEBCON BPS Designer Studio

In WEBCON BPS Designer Studio, click on the blue arrow in the top left corner, and select Licenses.

		WEBCON Business Process Suite - Designer Studio
CO Portal connection Edit portal connection settings	ew 🔻	Applications (Sample application)
Content database Edit current content database		$\mathbb{C}^{\diamond}_{\oplus}$ New application $\mathbb{C}^{\circ}_{\oplus}$ New process \mathbb{C} Save application \mathbb{C} Delete \mathbb{C}
Licenses License management		General Description ID: 6
Close Webcon BPS Designer Studio		Name: Sample application Color: 236, 196, 110 Description: An example of a WEBCON BPS application that includes a second

Then use the Manage licenses button.

	WEBCOI	N Business Process Suite - Designer Studio		2
Tasks Appearance Applications © 80° Sample application •	Applications	(Sample application)		1)
Getting started Sample application Sample Process Sample Process	S⊕ New application ☐ General 2 Use	°⊕ New process 📇 Save application 🏛 Delete 🗈 Clone privileges		
Tesentation	ID: Name:	6 Sample application	Abbreviation: SA E	50 50
	Description:	An example of a WEBCON BPS application that includes a single process.	 پا	ib ال
	WEBCON E	Designer Studio × Manage licenses		
		Activate partner version	~	



Service not activate	d	Service activ	vation
		Activa	ite
cense	Devela	Used	
CENSE	bougin	USEU	

Next, click on the **Activate** button to the open **License service activation wizard**, which will guide you through the activation process. If the server on which WEBCON BPS components were installed has direct access to the internet, it is best to use the **Online activation** mode.

co Activation	_ □ ×
Activation	
License service activation wizard The wizard will guide you through license service activation.	 Select activation kind Online activation Allows automatic online activation of license service. Requires customer login and password. Email activation - no activation file Allows sending activation data by email. Select if online activation is unavailable and you do not received the activation file yet. Email activation - activation file available Allows license service activation using received activation file.
PREV PREV	NEXT



To activate, simply enter the activation login and password that you received.

Step 1 of 2 - Online activation		
	Login	
Online activation	Password	
Online activation uses outbound connection with address		Activate
https://licence.public.webcon.pl using port 443. If this connection is		
blocked and there is no possibility of unblocking it, please return to first step and choose "Email activation". To activate, please type the		
provided customer login and password and click "Activate" button.		
PPEV		NEXT

If internet access is not available, you may use the offline activation mode – the License service activation wizard will guide you through these additional steps.

5.1.1. Offline license activation

The offline activation process consists of 2 steps. First, you must generate a **Service license identifier** file and send it to WEBCON. Then, in response, you will receive two files: Activation file and a License package file which are used to activate your licenses.



Step 1 – To begin offline activation, open **License management**, click **Activate** and select "E-mail activation – no activation file".

Activation	
License service activation wizard The wizard will guide you through license service activation.	 Select activation kind Online activation Allows automatic online activation of license service. Requires customer login and password. Email activation - no activation file Allows sending activation data by email. Select if online activation is unavailable and you do not received the activation file yet. Email activation - activation file available Allows license service activation using received activation file.
PREV	NEXT

Click **Generate file** and save it to your computer. Continue with the activation wizard, the file will be sent to WEBCON.

୍ଟି Generate file



Step 2 – In response you should receive two files: Activation file and a License package file. In **License management**, click **Activate**, and select "E-mail activation – activation file available".

Continue with the activation wizard and enter the path to the Activation file.

≫ Activation	_ □
Step 3 of 4 - Offline activation	
Offline activation License service should be activated by proper activation file. If you hav not got this file return to previus wizard step. Choose activation file and select 'Activate' option.	Activation file
PREV PREV	NEXT

Next, back in **License management**, this time click **Install license from file**, and enter the path to the second file you received from WEBCON – the License package file. Click **OK**.

File			Browse
Package contents:			
License	Bought	t	



Thank you for choosing WEBCON BPS, we hope that our system will meet all your business needs. Feel free to contact us at <u>office@webcon.com</u> should you have any questions about WEBCON BPS.

Have a nice day!