



Ocean Learning Platform (OLP) Vessel deployment manual

Date: 15/03/2023



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1 Introduction

Below routine, describe how to perform vessel installation of OLP application and its services. Two potential installation scenarios will be considered: deployment including new SQL server 2012 Express instance and deployment using already pre-installed, existing SQL Server 2012.

2 System requirements

2.1 Supported operating systems

Supported operating systems:

- Windows 10
- Windows 11
- Windows Server 2012
- Windows Server 2012 R2
- Windows Server 2016
- Windows Server 2019

All client OS that is at least Pro or Business edition is supported. **Essential and Foundation editions are not supported.**

All server OS that is at least Standard Edition is supported. **Home, Education, IoT, Starter, Home Basic, Home Premium editions are not supported.**

2.2 Browser requirements

Following browsers are supported by STA 4.0:

- Mozilla Firefox 44 and above
- Google Chrome 45 and above
- Microsoft Edge 79 and above
- Internet Explorer 11 (only supported when Ocean Learning is disabled)
- Ocean Web Browser 4.3.9 and above

Following browsers are supported by OLP:

- Mozilla Firefox 49 and above
- Google Chrome 55 and above
- Microsoft Edge 80 and above
- Ocean Web Browser 4.3.9 and above

2.3 3rd party software prerequisites

The following 3rd party software prerequisites are required for OLP:

- .NET Framework 4.5
- Microsoft URL Rewrite Module 2.x for IIS 7
- KB2468871v2
- KB2600217
- KB2836939v3
- Visual C++ 2010 Runtime (both 32 and 64 bit)

All above is installed by OLP or Setup but can also be installed manually from the setup.

2.4 SQL Compatibility

Following Microsoft SQL Server versions are supported:

- Microsoft SQL Server 2012 Enterprise, Standard and Express
- Microsoft SQL Server 2014 Enterprise, Standard and Express
- Microsoft SQL Server 2016 Enterprise, Standard and Express
- Microsoft SQL Server 2017 Enterprise, Standard and Express
- Microsoft SQL Server 2019 Enterprise, Standard and Express

Note:

- All Express editions of MS SQL have built-in maximum database size limit of 10 GB
- LocalDB mode is not supported

2.5 Supported Character Sets

- Western (Latin)
- Russian (Cyrillic)
- Chinese (Simplified and Traditional)

3 Hardware requirements

3.1 CPU

32-bit systems - Intel or compatible 1 GHz or faster processor (2 GHz or faster is recommended.)

64-bit systems - AMD Opteron, AMD Athlon 64, Intel Xeon with Intel EM64T support, Intel Pentium IV with EM64T support, 1.4 GHz or faster processor

3.2 RAM

Minimum 1GB RAM available memory required recommended 4GB RAM.

3.3 Hard disk space

Deliverable	Required disk space (GB)	Additional information
Application	70	Includes space for all application, all services and their software prerequisites. Some space is reserved only for the time of installation (prerequisites decompression) - such space is released after installation.
Content	250 - 500	Depending on the scope of selected e-learning

3.4 Concurrent users

OLP is using network and has limitations when it comes to number of users or devices.

The limitation is a limitation of the operating system and is not limitation of OLP. Such a limitation exists in every workstation operating system like: Windows 7, Windows 8 or Windows 10. It is not present in the server version of the operating system; Windows 2008 Server, Windows 2012 Server, etc.

According to Microsoft Software License Terms for Windows 10, Section 2d: " Multi use scenarios", point (iii) "Device Connections":

- **Device connections.** *You may allow up to 20 other devices to access the software installed on the licensed device for the purpose of using the following software features: file services, print services, Internet information services, and Internet connection sharing and telephony services on the licensed device. You may allow any number of devices to access the software on the licensed device to synchronize data between devices. This section does not mean, however, that you have the right to install the software, or use the primary function of the software (other than the features listed in this section), on any of these other devices.*

4 Pre-installation

4.1 IIS

OLP is a web-based application and Internet Information Services (IIS) needs is required to run it. If the IIS server is not installed, the Setup will update the user system and add these features automatically.

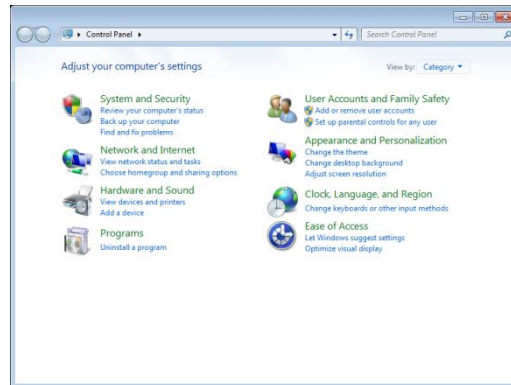
NOTE:

Adding IIS will work correctly only if the operating system has not been tampered with and Windows installation does exist in the cache. If these files are missing (have been manually removed) user may be prompted to insert the Microsoft Windows installation media.

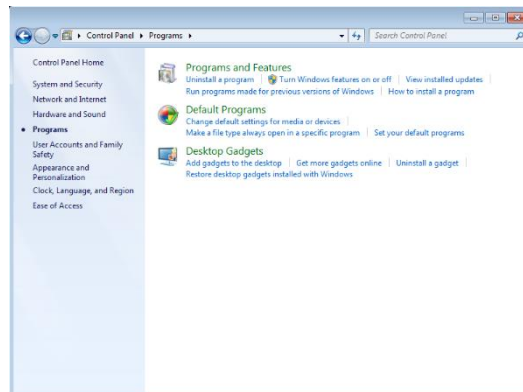
IIS may be also manually installed before installation. Below procedure describes how to install IIS and pre-configure IIS.

How to enable IIS:

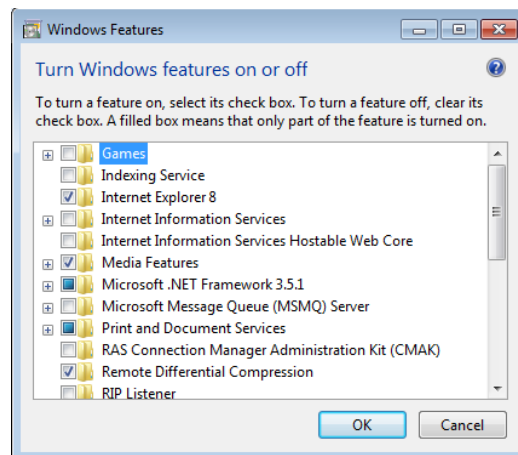
Open **Control Panel** and then select **Programs**:



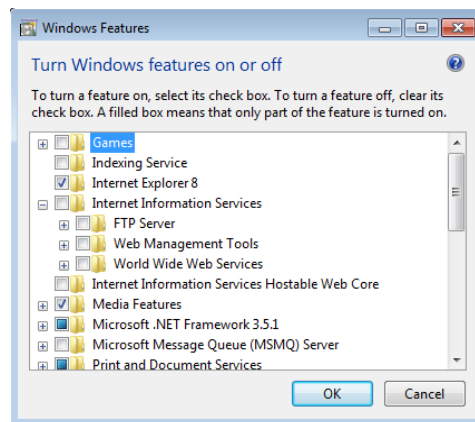
Under **Programs and Features** select **Turn Windows features on or off**.



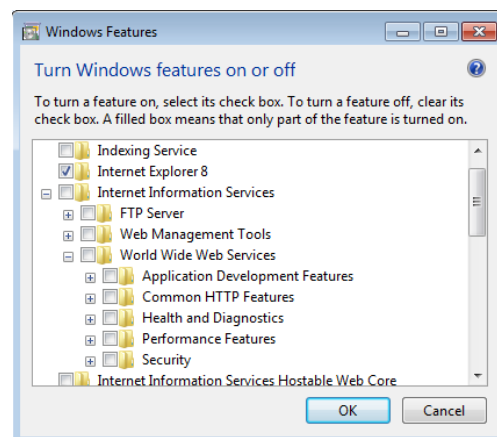
Now the **Turn Windows features on and off** window will be shown:



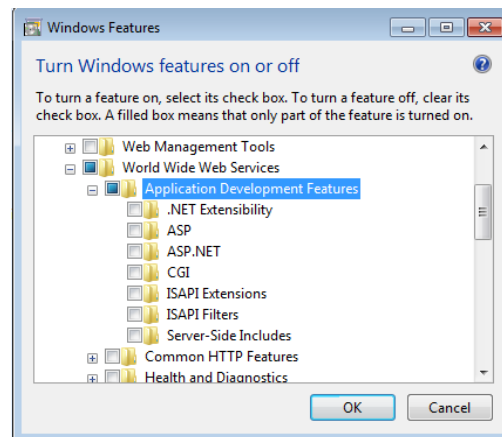
Expand **Internet Information Services** node:



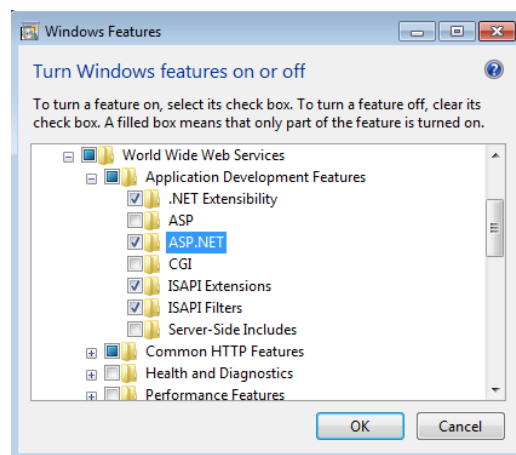
Expand the **World Wide Web Services**:



Expand the **Application Development Features** node:



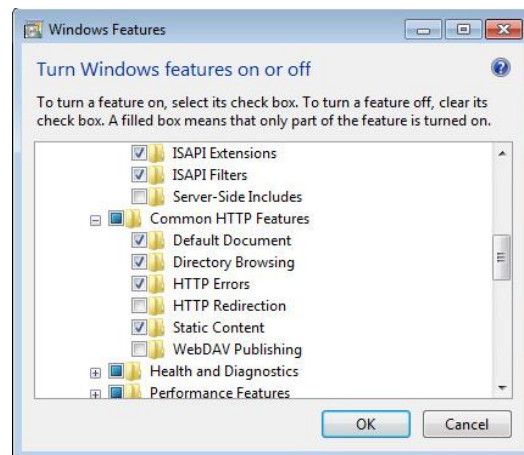
Enable **ASP.NET** by clicking the checkbox:



Ensure that following options has also been automatically selected:

- .NET Extensibility
- ISAPI Extensions
- ISAPI Filters

Make sure that **Common HTTP Features** node has been adjusted and **Default Document, Directory Browsing, HTTP Errors, Static Content** options are selected:



When all options are configured and verified click **OK** button to accept selected features and start installation of IIS and its required features.

4.2 SQL Server is already existing

Make sure that following settings were used for existing installation of SQL Server 2012/2014/2016 (*Installation and configuration of SQL server(s) are described in chapters 6, 7 and 8*).

4.2.1 Required SQL Server features

- Database Engine Services
- Management Tools - Basic
- Client Tools Connectivity
- Client Tools Backwards Compatibility
- Client Tools SDK

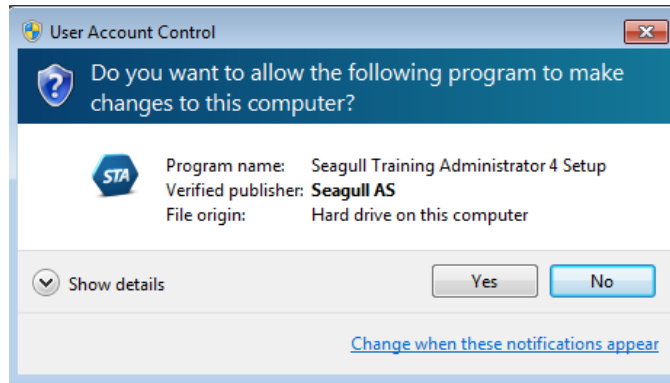
4.2.2 Server collation

- Server collation: SQL_Latin1_General_CP1_CI_AS
- Collation designator: Latin1_General
- Binary: not checked
- Case-sensitive: not checked
- Accent-sensitive: checked
- Binary-code point: not checked
- Kana-sensitive: not checked
- Width-sensitive: not checked

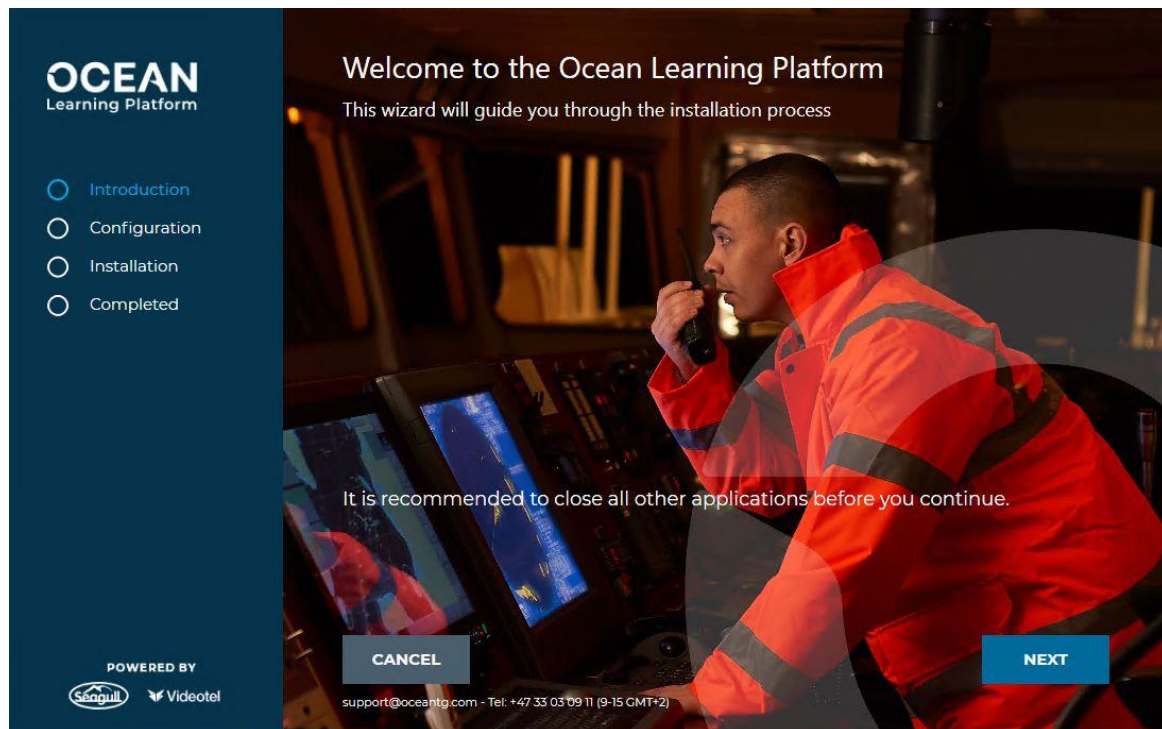
5 OLP installation

Note: installation of OLP requires administrative rights.

Double click the **setup.exe** file to run setup. If asked for administrative rights, click on Yes to accept:



Setup will start to check consistency of its files and after this test will show Welcome screen:



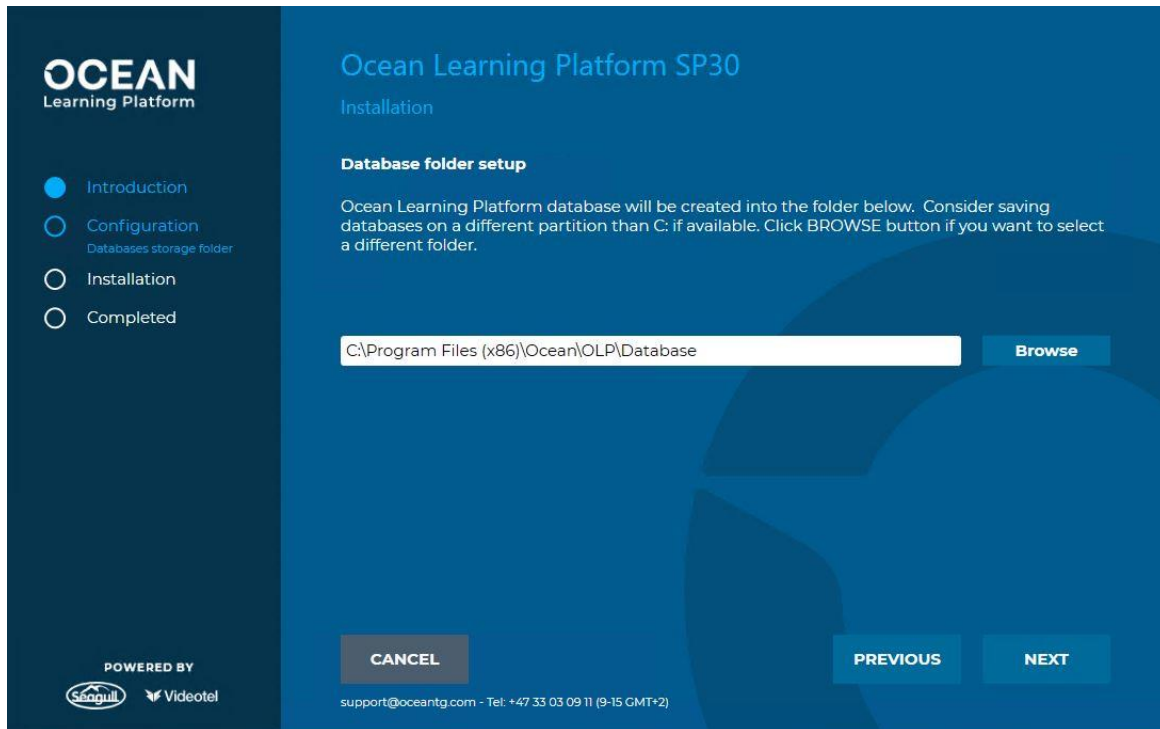
Click **Next** button to select where OLP should save big files. Recommended directory name can be used.

The screenshot shows the 'Ocean Learning Platform SP30' installation window. On the left is a dark sidebar with the 'OCEAN Learning Platform' logo and a progress list: 'Introduction' (selected with a blue dot), 'Configuration', 'Installation', and 'Completed'. The main area has a blue background with the title 'Ocean Learning Platform SP30' and subtitle 'Installation'. Below this is the section 'Resources storage configuration'. It contains a text box with the instruction: 'Select where Ocean Learning Platform should save big files (like e-learning or reports). Consider saving the files on a different partition than C: if available. Click BROWSE if you want to select a different folder.' Below the text box is a form with 'Virtual Directory Name' set to 'RESOURCES' and a file path 'C:\inetpub\wwwroot\OLP_(OCEAN)\Ocean_Resources'. To the right of the path is a 'Browse' button. At the bottom of the main area are 'CANCEL' and 'NEXT' buttons. The footer includes 'POWERED BY' logos for Seagull and Videotel, and contact information: 'support@oceantg.com - Tel: +47 33 03 09 11 (9-15 GMT+2)'.

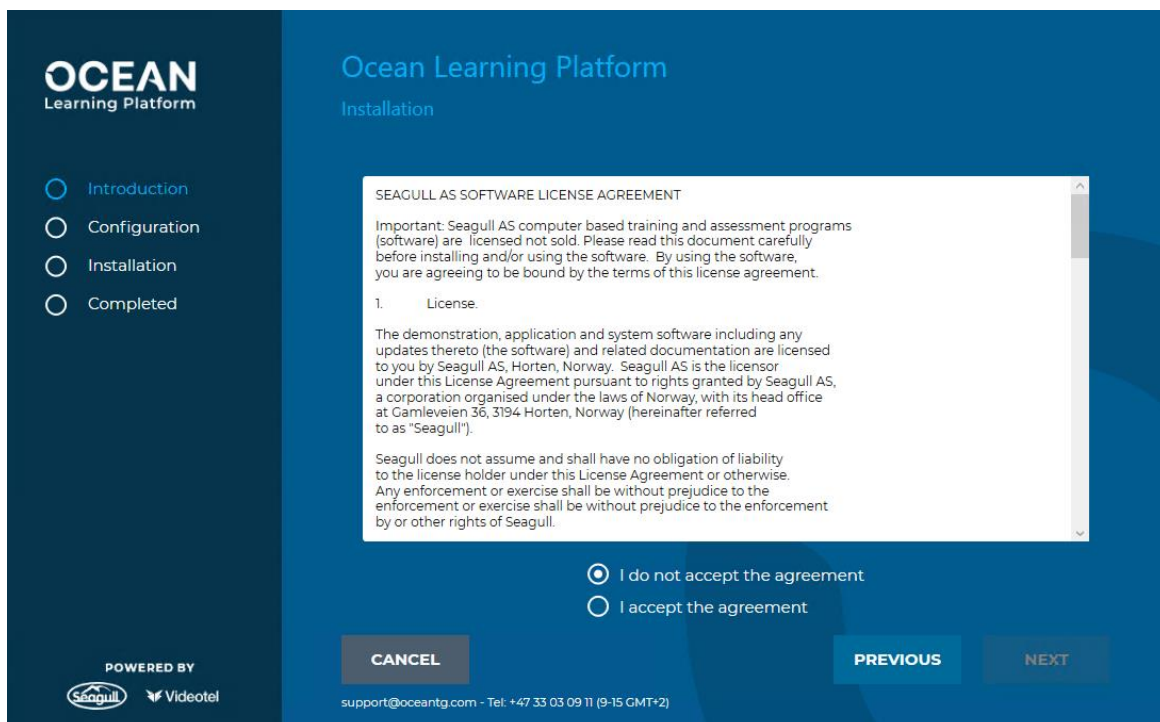
Click **Next** to select SCORM upload folder to import new resources and make the e-learning content available to users.

The screenshot shows the 'Ocean Learning Platform SP30' installation window at the 'SCORM upload folder setup' step. The left sidebar is identical to the previous screen, but 'Configuration' is now selected with a blue dot, and 'Introduction' is greyed out. The main area has the title 'Ocean Learning Platform SP30' and subtitle 'Installation'. Below this is the section 'SCORM upload folder setup'. It contains a text box with the instruction: 'SCORM modules will be uploaded into the SCORM Upload folder below. Click BROWSE button if you want to select a different folder. Ocean Learning Platform will monitor the folder to import new resources and make the e-learning content available to users.' Below the text box is a form with the path 'C:\Ocean_Scorm_Upload_(OCEAN_OCEAN)' and a 'Browse' button. At the bottom of the main area are 'CANCEL', 'PREVIOUS', and 'NEXT' buttons. The footer is identical to the previous screen.

Click **Next** to select Database folder.

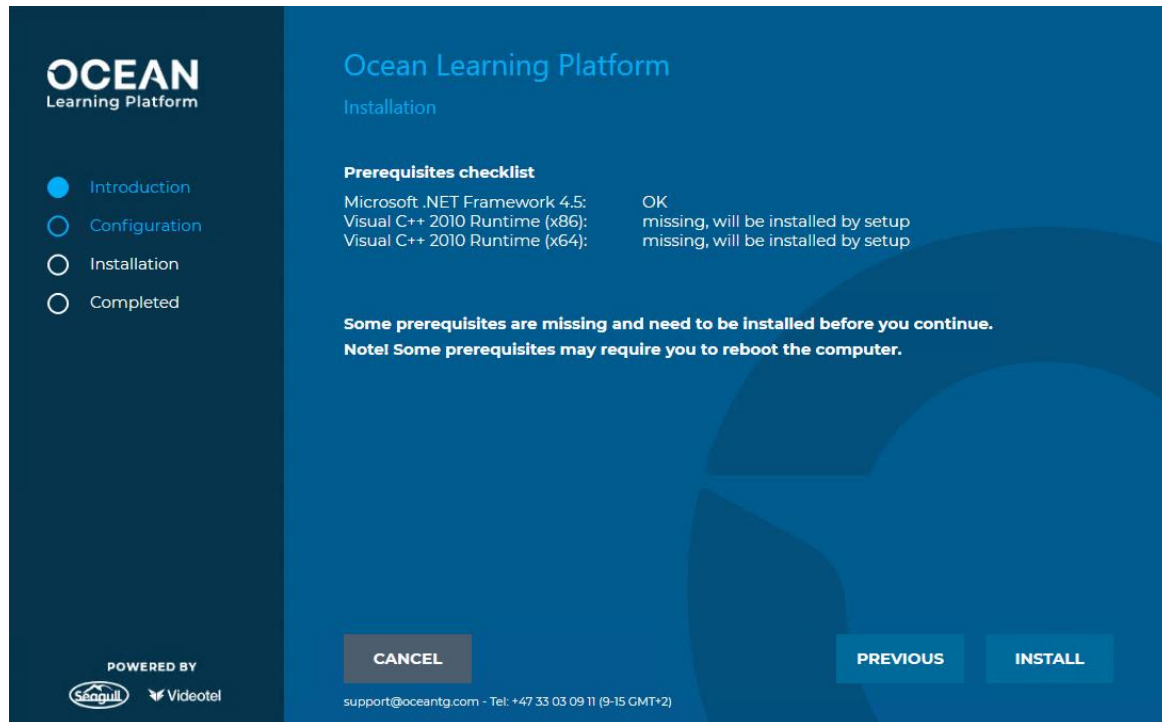


Click **Next** button to continue and show the License step:

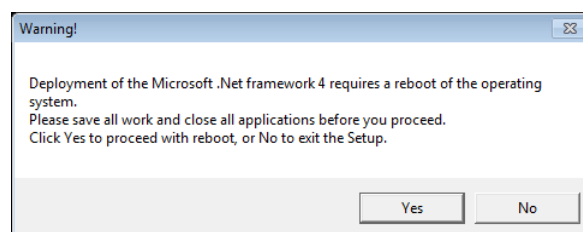


After reading the license, select **I accept the agreement** option and click **Next**:

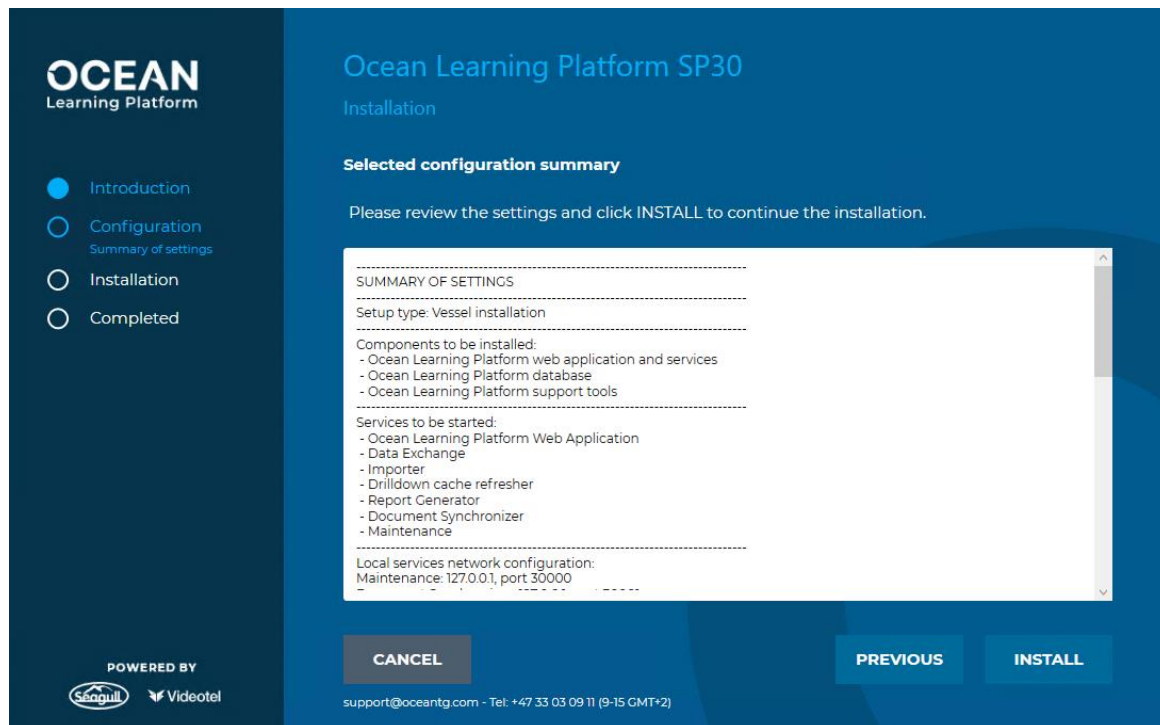
Next step is visible ONLY if some of the prerequisites are missing:



If that happens, click on the **Install all prerequisites**. Please note that some of requisites may require reboot to complete their installation. In such case setup should resume after the reboot. In case this is not happening start setup normally again - it will continue only with installation of remaining pending prerequisites.



Setup Configuration summary screen will be shown and setup is ready to start the deployment.



Click **Install** to start the installation.

After completing the OLP installation please follow the point 6 to point 8 to activate the OLP and install the Service Pack / E-learning modules.

6 Activating your Ocean Learning Platform

- The first time you start up Ocean Learning Platform, you will be asked to register your database. Please enter the requested information which you will find on the bottom of the Ocean Installer box.
- Log in to your Ocean Learning Platform with admin user account. Default username/password is admin/admin.
- Select “Activate my installation” and follow the onscreen instructions. Close Ocean Learning Platform when finished.
- You will receive an email from support@oceantg.com marked “Ocean Learning Platform Activation” with an attached NFT file.
- Transfer this file to the computer on which Ocean Learning Platform is installed.
- Login to your admin account and select “Import data”. Click “Browse”, select the received .nft file. and then click “Finish” to complete the process.

7 E-learning content Installation

- Insert the Ocean Installer (USB-Black) into your computer and open the folder. Double click on “Ocean Installer” to start the application.
- Follow the onscreen instructions. Take note of the “Choose components” screen. You can select whether to install all e-learning content (select “Complete content”) or limit the installation to the modules included in your subscription (select “Scope content”).
- If your software kit includes a USB-Blue (company specific content) stick, insert this into your computer and open the folder. Double click on the “Ocean Training Library” to start the application. Follow the onscreen instructions for installation.

8 How to start training

- To enable the crew to start their training, the administrator needs to request the user IDs from main database and assign these users to the vessel installation.
- Procedures for this can be found in the quick guide for on board administrators in folder location \quick guides\Ocean Learning Platform.
- In this folder, you will also find quick guides for assessors and personnel

9 Using the software on a Network

- When a computer running Ocean Learning Platform is connected to your network, the software can be accessed from other computers through a web browser.
- Open a web browser and enter: <http://xxx.xxx.xxx.xxx:8080/start/> Where x is replaced by the server’s static IP or host name (example <http://123.567.123.456:8080/start/>)

10 OLP advanced installation

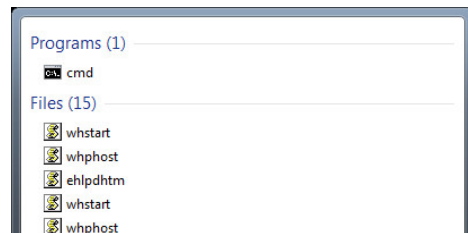
Basic vessel setup uses default configuration settings, preselected choices, default installation path and always deploys own instance of SQL Server 2012 Express. For scenarios where it is require to have full control over all installation parameters (i.e. use different paths on disk, do not install SQL Server but use existing one, etc.) and advanced mode for installation need to be started. In this mode setup will show more steps where the user can define almost every single parameter of the installation.

10.1 Running command line console in Administrative mode

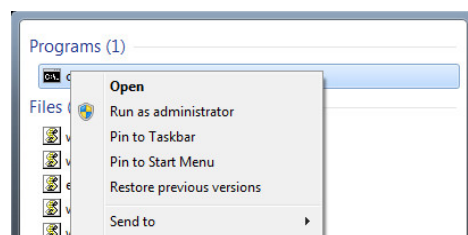
Advanced installation need to be started from command line started in the administrative mode.

Click START menu button, in the *Search program and files* type **CMD**.

Windows will start search for CMD command and will present it in the top of START menu:



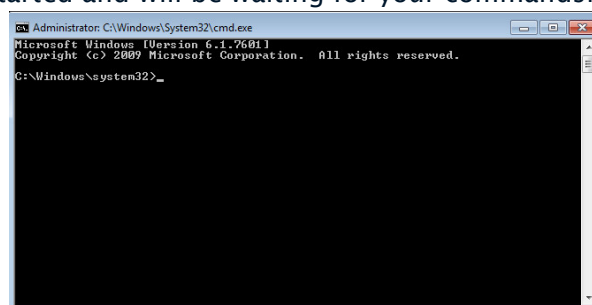
Right click on the CMD icon and from the displayed context menu select **Run as administrator**:



When prompted by User Account Control confirm that you are going to enter administrative mode by clicking the **Yes** button:



The console will be started and will be waiting for your commands:



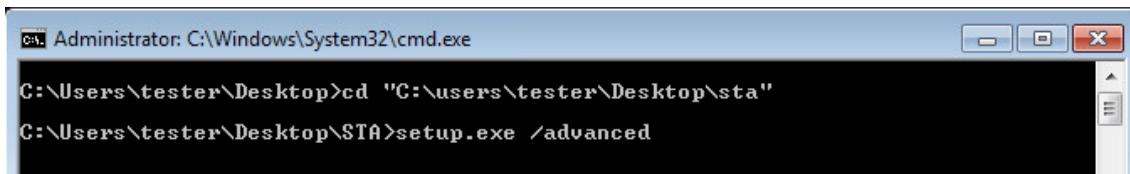
NOTE: you may recognize that console is running in the administrative mode if caption of the windows starts from word Administrator:

10.2 Starting setup in advanced mode

From CMD console running in administrative mode execute:

`cd %Path_to_folder_with_setup%` - where %Path_to_folder_with_setup% is the actual path to the setup

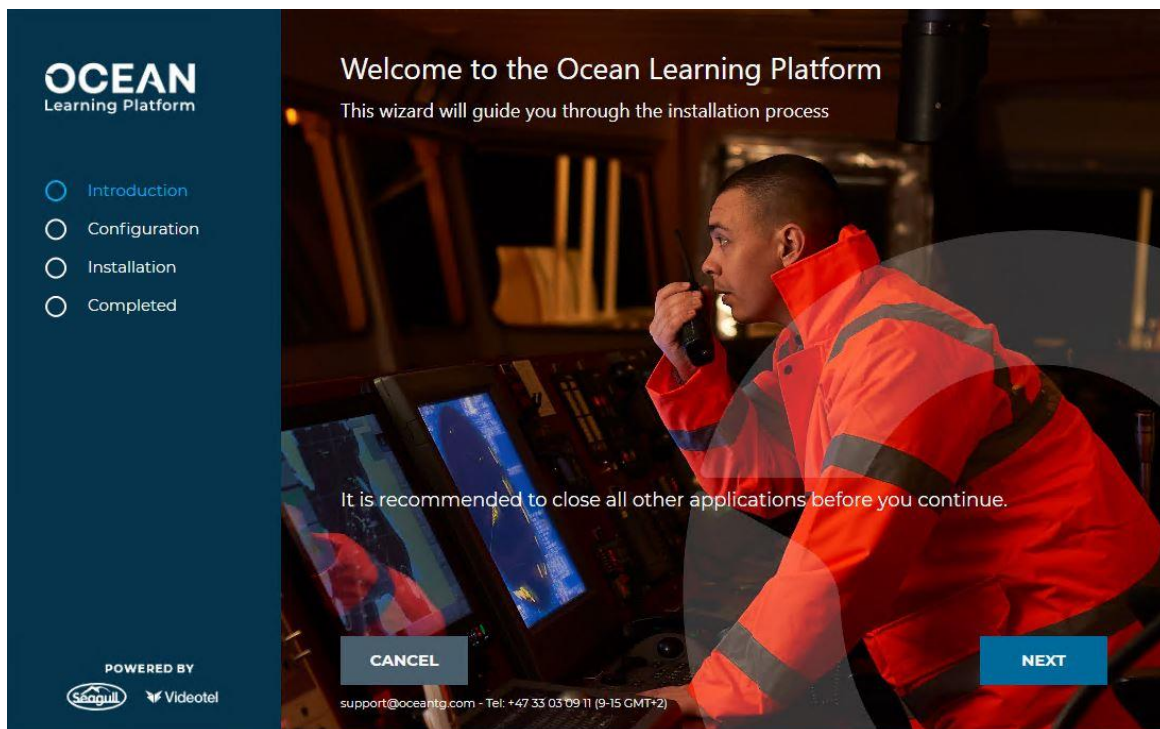
`setup.exe /advanced` - to start OLP setup in advanced mode



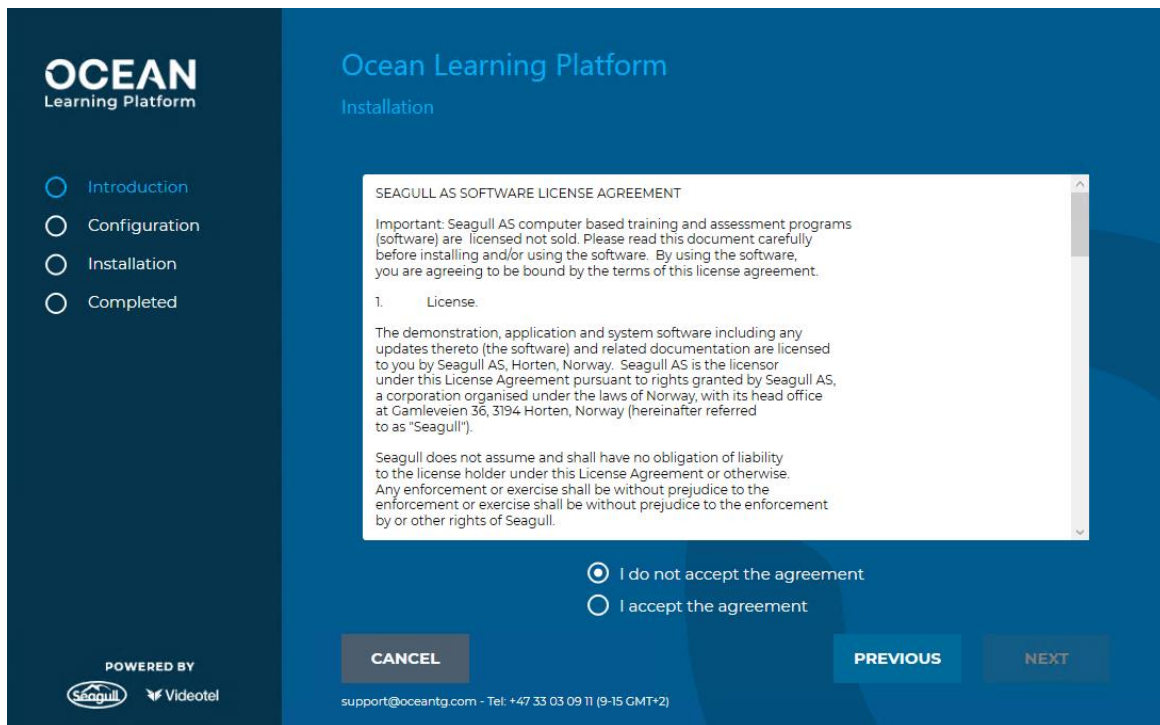
10.3 Setup options in advanced mode

10.3.1 Introduction steps

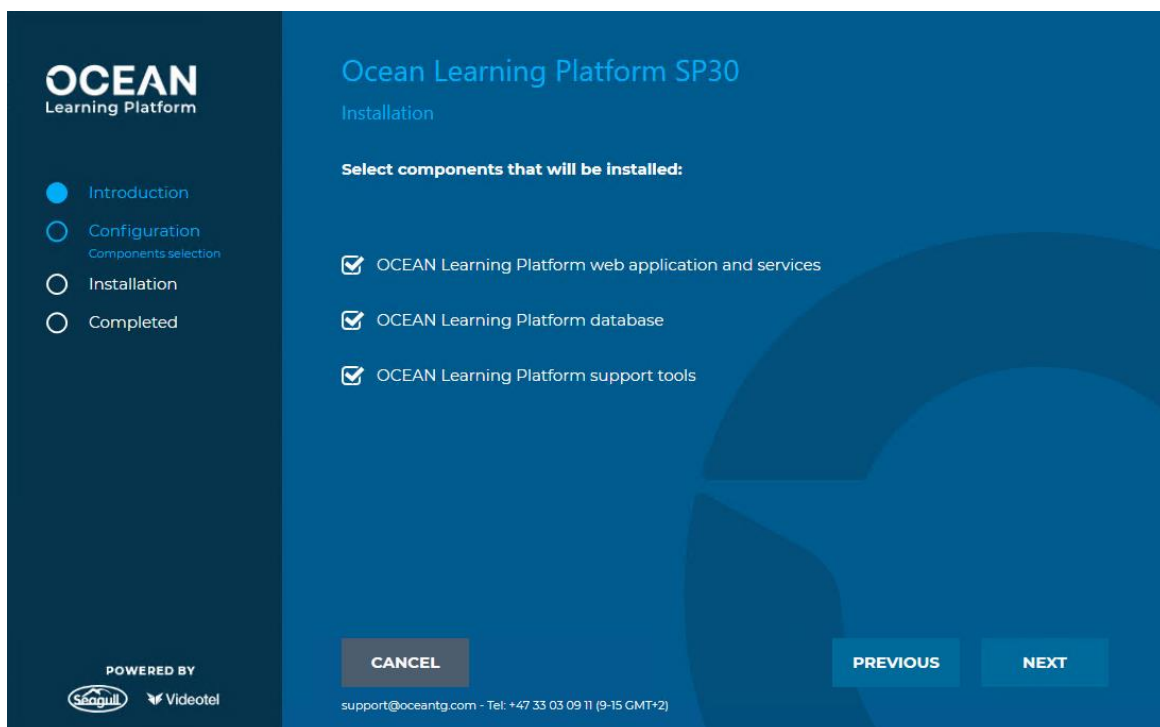
The first few steps in the advanced setup are the same as in the basic version:



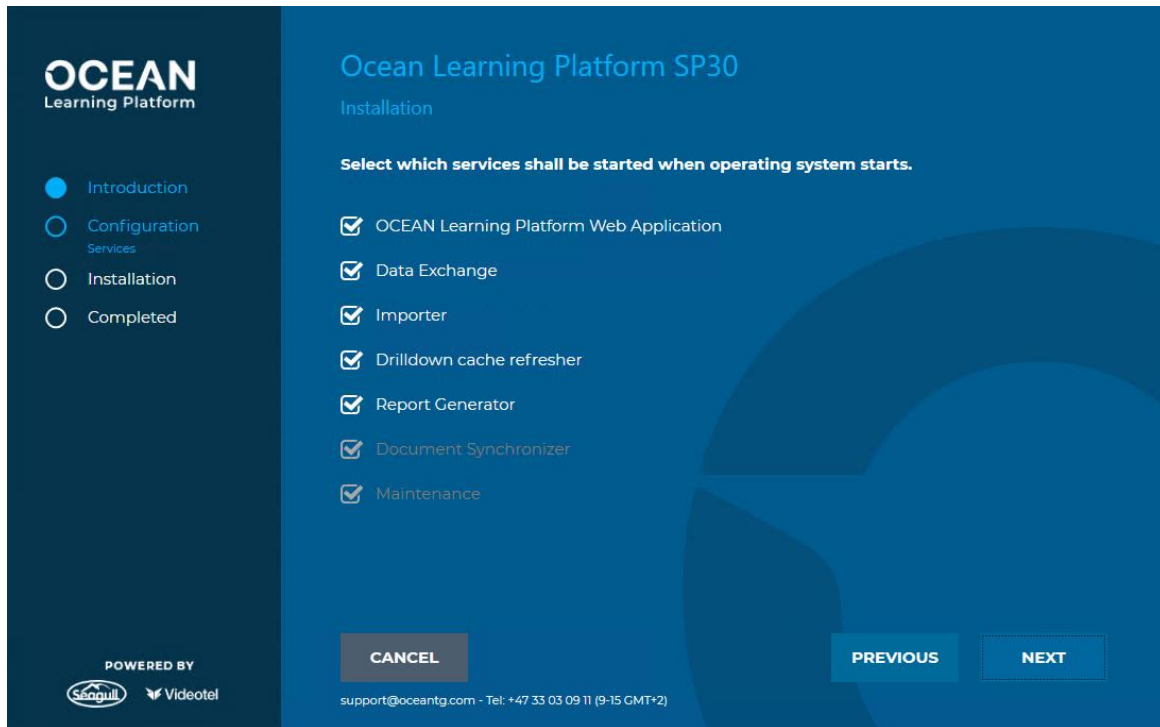
Click **Next** to show the license screen:



Accept the license by clicking on **I accept the agreement** and click **Next**. "Select components" step will be displayed.



Make sure that all options are selected and click **Next** to go to the next step - services selection.



Make sure that all options are selected and click **Next** to display networking configuration screen for local services.

10.3.2 OLP services configuration

OCEAN
Learning Platform

- Introduction
- Configuration
Local services
- Installation
- Completed

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Ocean Learning Platform SP30

Installation

LOCAL services IP and port setup

Certain components of Ocean Learning Platform communicate together. The communication uses TCP IP network protocol. Provide IP addresses and listening ports for each of the required LOCAL services.

Maintenance service	IP address	<input type="text" value="127.0.0.1"/>	Port	<input type="text" value="30001"/>
Document Synchronizer	IP address	<input type="text" value="127.0.0.1"/>	Port	<input type="text" value="30005"/>

CANCEL

PREVIOUS

NEXT

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Since the default ports under normal conditions are available, click **Next** to accept the configuration and open next step where remote services networking is configured.

OCEAN
Learning Platform

- Introduction
- Configuration
Remote services
- Installation
- Completed

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Ocean Learning Platform SP30

Installation

REMOTE services IP and port setup

Certain components of Ocean Learning Platform communicate together. The communication uses TCP IP network protocol. Provide IP addresses and listening ports for each of the required REMOTE services.

Data Exchange	IP address	<input type="text" value="127.0.0.1"/>	Port	<input type="text" value="30006"/>
Importer	IP address	<input type="text" value="127.0.0.1"/>	Port	<input type="text" value="30007"/>
Report Generator	IP address	<input type="text" value="127.0.0.1"/>	Port	<input type="text" value="30008"/>

CANCEL

PREVIOUS

NEXT

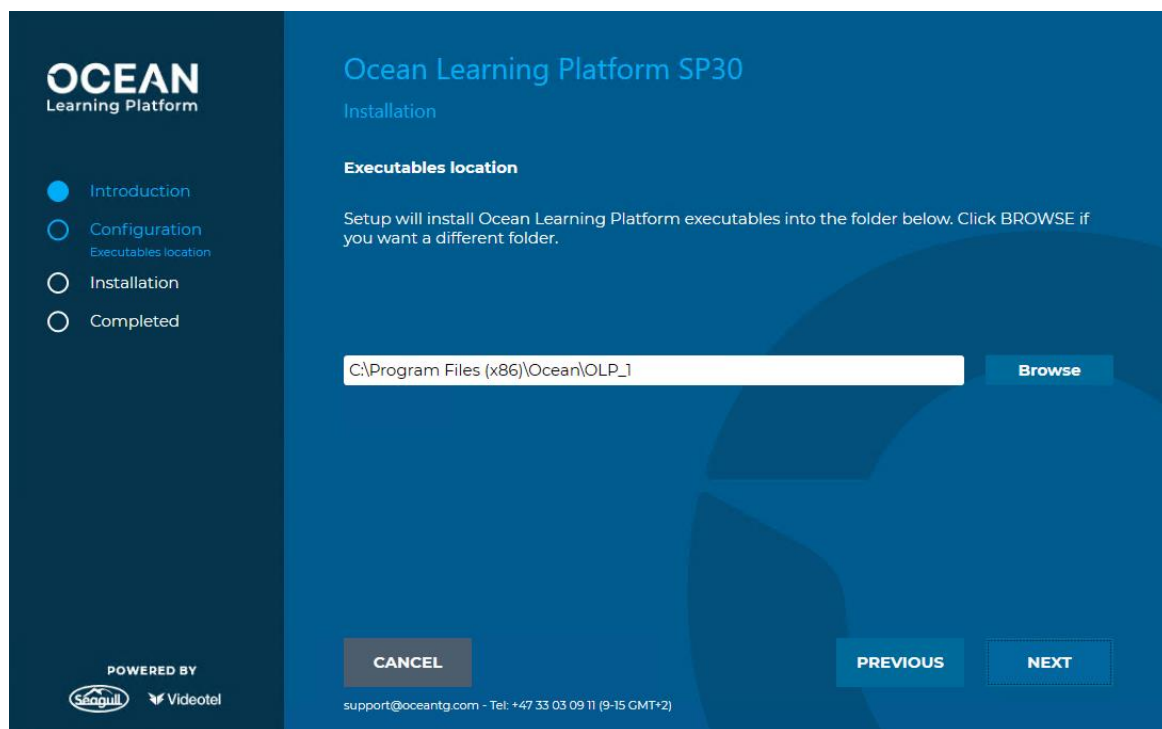
support@oceantg.com - Tel: +47 33 03 09 11 (9-15 GMT+2)

Default ports for remote services should also be available, so click Next to accept them and to go to the next step of wizard.

NOTE: configuration settings - TCPIP and Ports - for both local and remote services should be changed only in case some port is not available or distributed deployment (using more than one workstation) is considered. Improper configuration of local and remote services may lead to the situation where all components of the solution will not cooperate.

NOTE: Setup checks if the selected ports are available. In rare situation where ports are already reserved by some other application or services a warning message will be displayed and setup will ask to change the port number.

The next step of setup allows you to define where OLP services will be installed:



In this step you may adjust this path if you are not satisfied with default value. When correct path is defined click **Next** to move to the next step of setup.

Next step - web server selection – start a series of steps where you can configure all web server settings.

10.3.3 Web server and web site settings

OCEAN Learning Platform

Ocean Learning Platform SP30
Installation

Ocean Learning Platform website

☐ Use an existing web site
 ☒ Create new web site named

Web site binding

IP Address: Port:
 Host header:

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POWERED BY Sengul Videotel

Accept all settings and click **Next**. Setup will display step where you can select the path where the web application part of solution will be deployed.

OCEAN Learning Platform

Ocean Learning Platform SP30
Installation

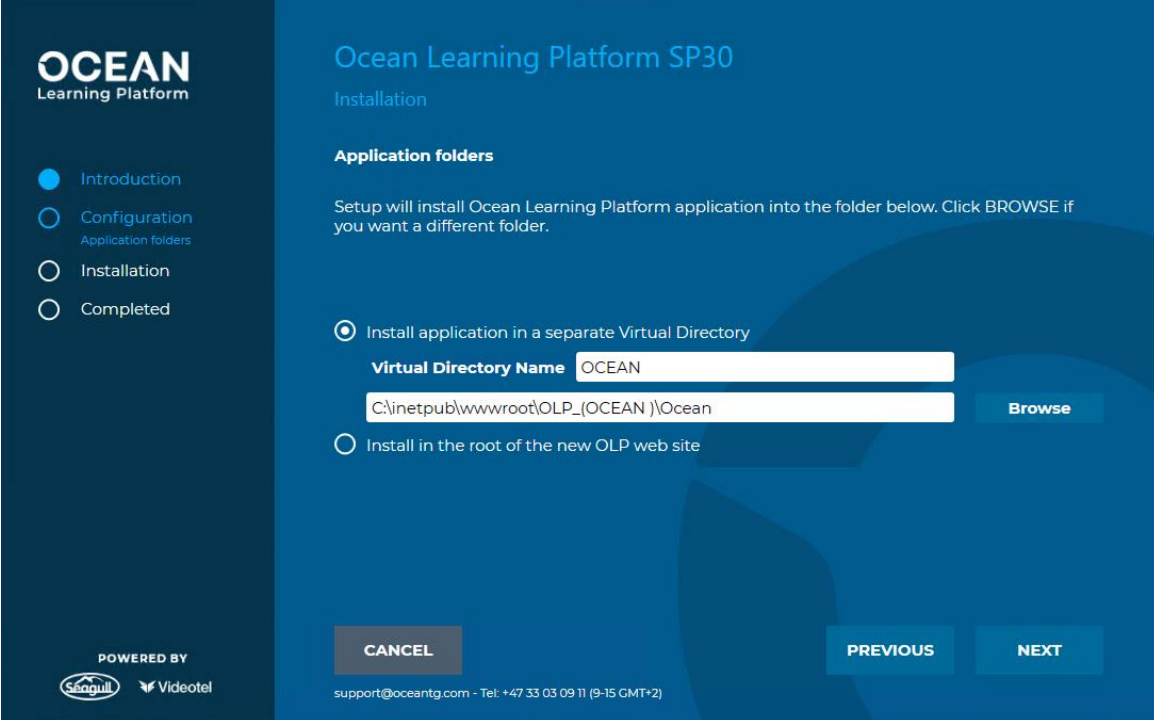
Ocean Learning Platform website files folder

Setup will create a new web site in the folder below. Click BROWSE if you want a different folder.

support@oceantg.com - Tel: +47 33 03 09 11 (9-15 GMT+2)

POWERED BY Sengul Videotel

If you are not satisfied with default choice use the Browse button to select another location. When the path configuration is done, click the **Next** button to open the next step where you can decide if the web application will be created in the root site of the web site or in a subfolder. It is recommended to keep default option "Install application in a separate Virtual Directory" and OLP for a name of Virtual Directory.



OCEAN
Learning Platform

Ocean Learning Platform SP30
Installation

Application folders

Setup will install Ocean Learning Platform application into the folder below. Click BROWSE if you want a different folder.

☒ Install application in a separate Virtual Directory

Virtual Directory Name OCEAN

C:\inetpub\wwwroot\OLP_(OCEAN)\Ocean **Browse**

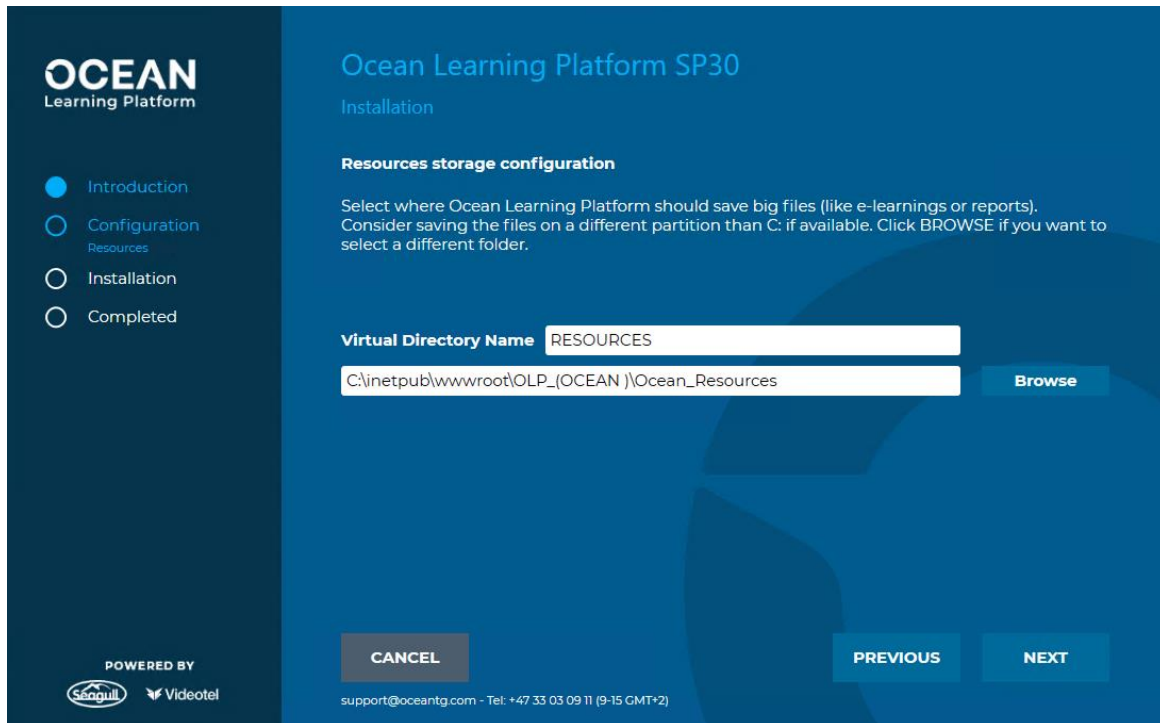
☐ Install in the root of the new OLP web site

CANCEL **PREVIOUS** **NEXT**

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Seagull Videotel

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Click **Next** to accept web site setting and proceed to the next step where you will configure where OLP will store resources like CBT modules and reports.





OCEAN
Learning Platform

Ocean Learning Platform SP30
Installation

Resources storage configuration

Select where Ocean Learning Platform should save big files (like e-learning or reports). Consider saving the files on a different partition than C: if available. Click BROWSE if you want to select a different folder.

Virtual Directory Name

POWERED BY
 

support@oceantg.com - Tel: +47 33 03 09 11 (9-15 GMT+2)

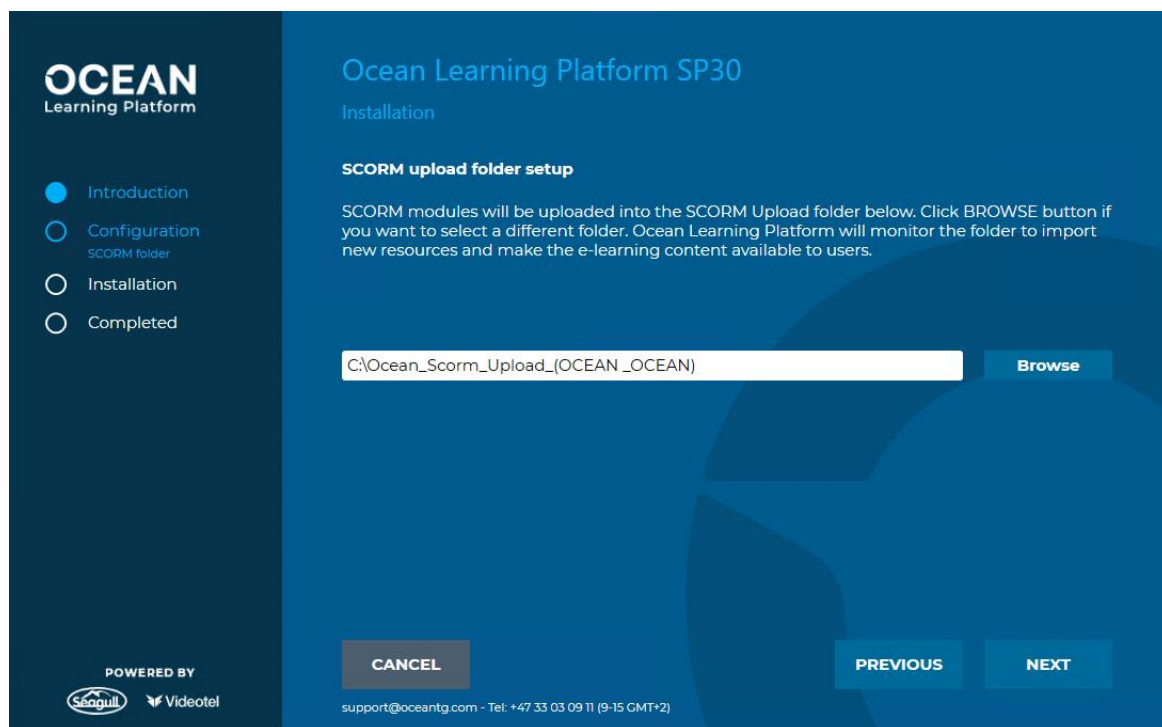
Since the resource files will be growing over time and that folder is also used to store all the CBT modules that are used, it is recommended to use another partition than where the operation system is installed. This will ease solving potential problem with growing disk usage and free disk space in the future. Use the Browse button to select the path. Then click **Next** to continue. In the next step you will define the URL that integrates the web application and the reporter service.

Default value of the URL is generated based on your previous choices so for normal installation it should be just enough to accept it - click **Next**. The next step allows you to define where all the data (files) exchanged between the main office and your vessel installation will be kept.

Use the **Browse** button to change the path if you are not satisfied with default path. Click **Next** to go to the next step.

10.3.4 SCORM Upload folder

Similar to the Resources virtual folder content of this folder will also grow over time so it is also recommended (if possible) to select a folder that is on another drive than system C drive. Use the Browse button to select the path if required. Then click the **Next** button.



In this step you will define the SCORM Upload folder. The SCORM Upload folder is a folder where application will search for any new (or changed) CBT modules to be imported. The import process is very simple; it is just enough to copy the ZIP files with new CBT modules and their new revisions into this folder. Use the Browse button to select another folder if you want to change this path. Click **Next** to continue.

10.3.5 Database server settings

In next step you will define if setup should install new SQL Server 2012 instance or if you wish one that are already installed.

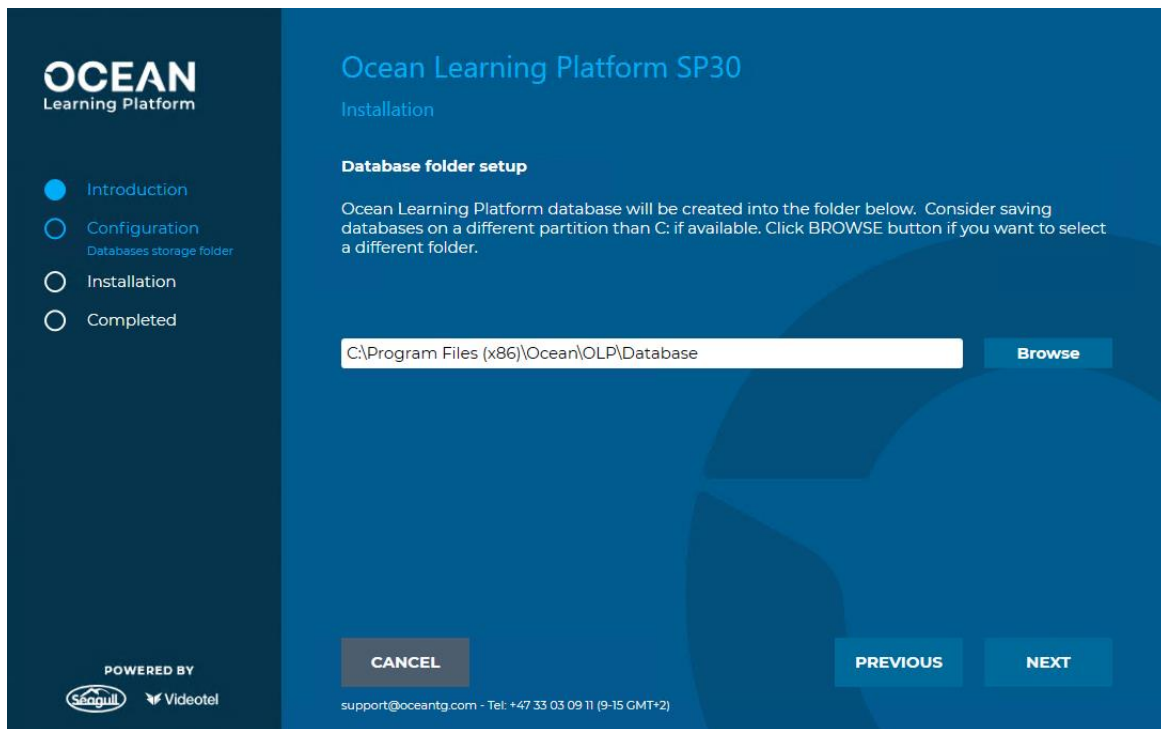
The screenshot shows the 'Ocean Learning Platform SP30 Installation' window. On the left is a sidebar with a progress indicator showing four steps: Introduction (selected), Configuration (SQL and DB), Installation, and Completed. The main area is titled 'SQL and database' and contains the instruction: 'Please define which SQL server and database should be used to save OLP configuration.' There are two radio button options: 'Install a new instance of SQL 2012 Server Express' (which is selected) and 'Use already existing SQL Server'. Below these are four input fields: 'SQL Server' with the value 'localhost\SEAGULL2012', 'Login' with 'sa', 'Password' with masked characters, and 'Database' with 'Ocean'. At the bottom, there are 'CANCEL', 'PREVIOUS', and 'NEXT' buttons. The footer includes 'POWERED BY' logos for Seagull and Videotel, and contact information: 'support@oceantg.com - Tel: +47 33 03 09 11 (9-15 GMT+2)'.

If you want setup to install new Seagull instance of SQL Server 2012 Express - select "Install a new instance of SQL2012 Server Express"

If you want to use already existing SQL Server 2012 please select "Use already existing SQL Server" and provide server address and instance name and login and password of SQL user that belongs to the SQL Server System Administrators (you need to provide sa login and password).

NOTE: Setup will only accept SQL Server 2012. Earlier versions of SQL are not supported. In addition if you select existing server its configuration have to match requirements as defined in next chapters

When you have selected which SQL Server will be hosting database click Next to move to the next step where you can define where database will be created.

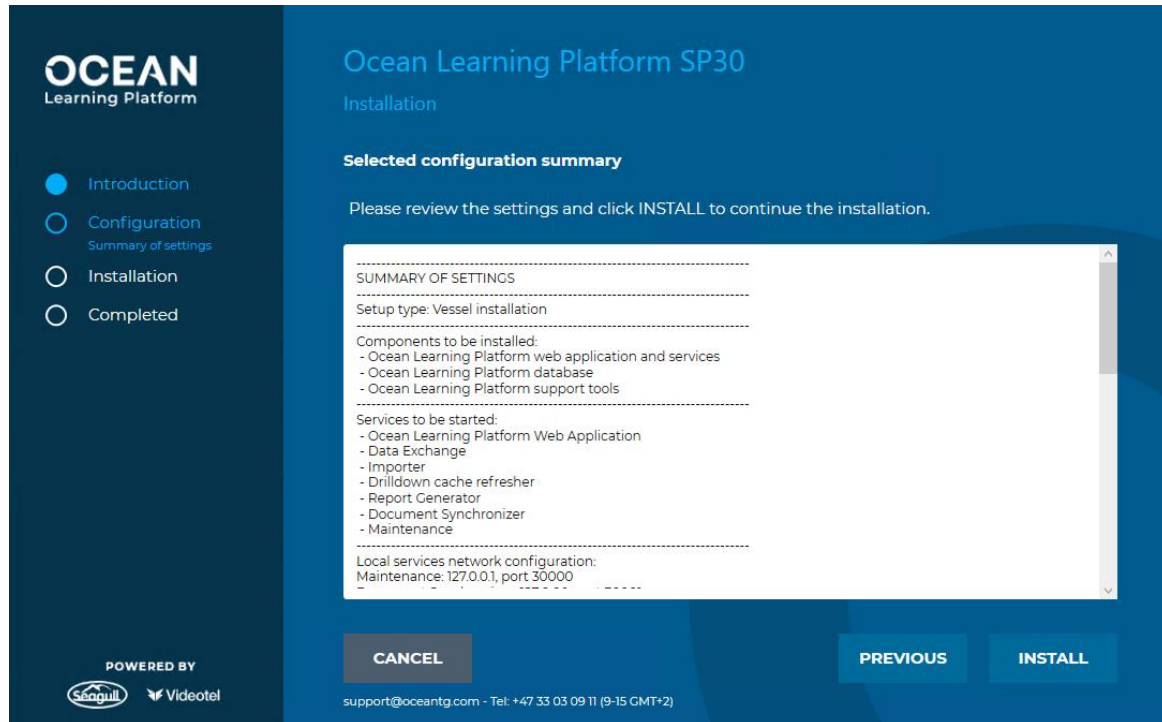


It is recommended - whenever it is possible - to use another drive than system C drive.

When the path is selected click **Next** to move to the last configuration step with setup configuration settings summary.

10.3.6 Summary

Review all the settings in the summary and if you are satisfied with the configuration, click the **Install** button to start the actual installation.



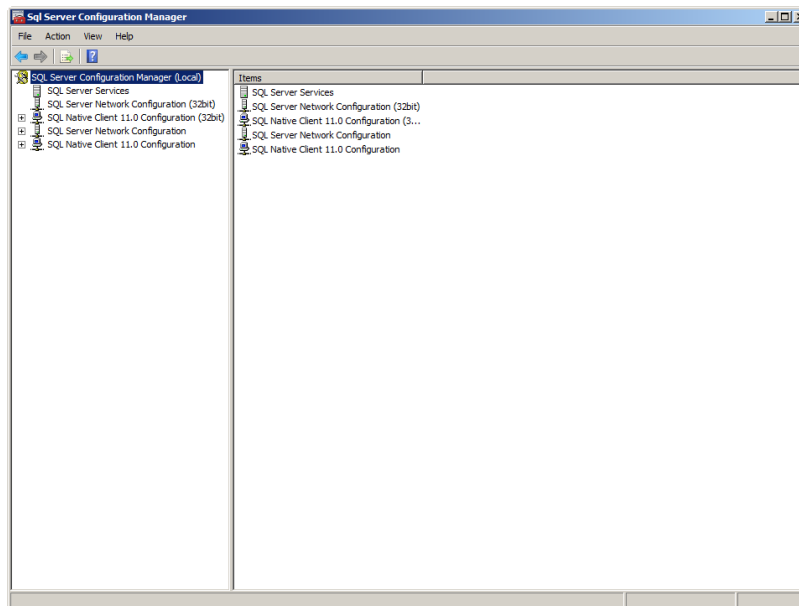
After completing the OLP installation, continue with point 6 through point 8 to activate the OLP and install the Service Pack / E-learning modules.

11 SQL Server 2012 (and 2014/16) configuration

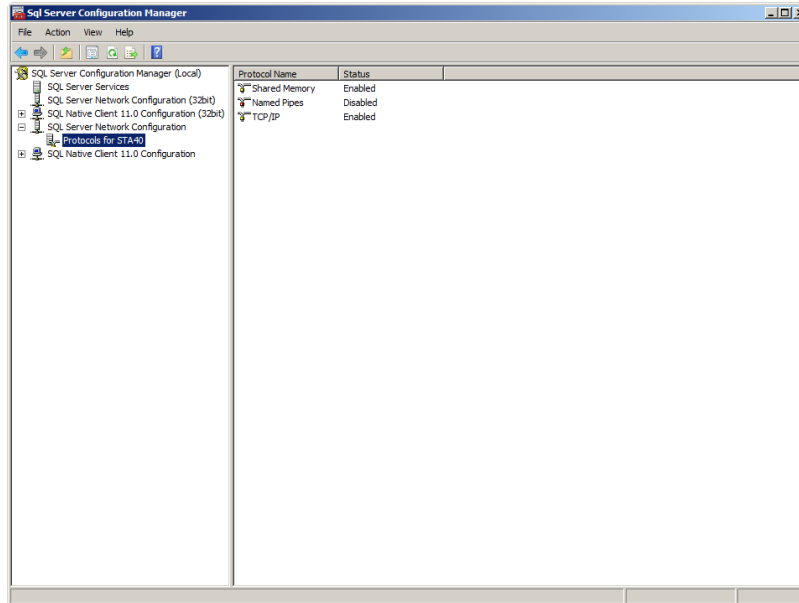
This step is required for all instances of SQL Server that has not been deployed by OLP Setup.

The goal of this procedure is to enable protocols and advanced features of SQL server.

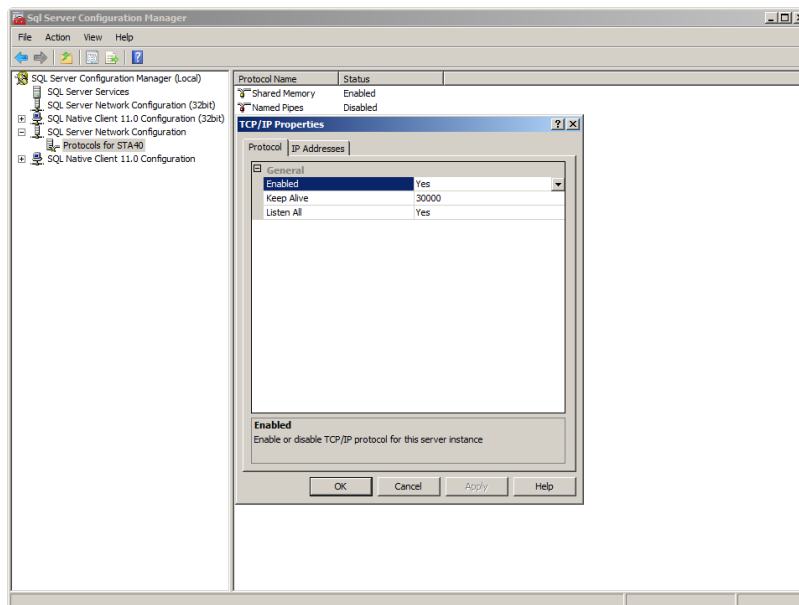
Start SQL Server Configuration Manager and connect to the SQL Server 2012 (2016) you want to use as a database server for OLP.



Ensure that TCPIP protocol is enabled - expand the SQL Server Network Configuration. Click on the **Protocols for STA40** (STA40 is sample instance name used in this chapter). Make sure that TCP/IP is enabled.

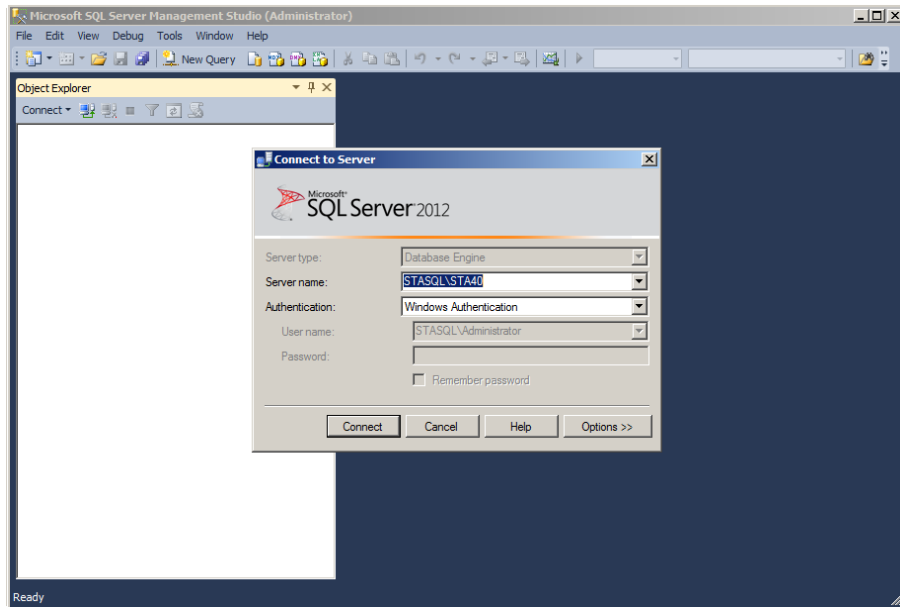


Double click on TCP/IP to show TCP/IP Properties. Make sure that **Enabled** is set to **Yes** and **Listen All** is set to **Yes**.

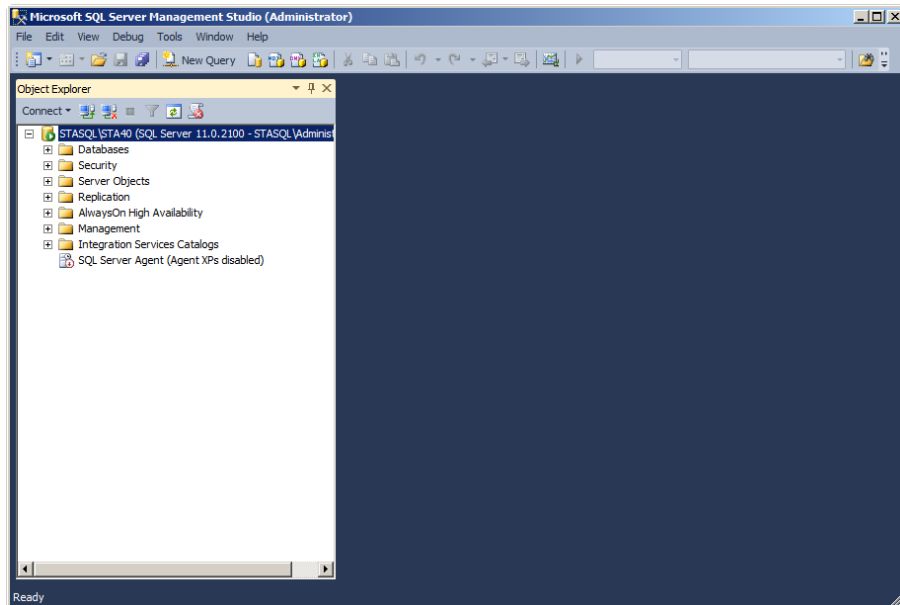


Close SQL Server Configuration Manager.

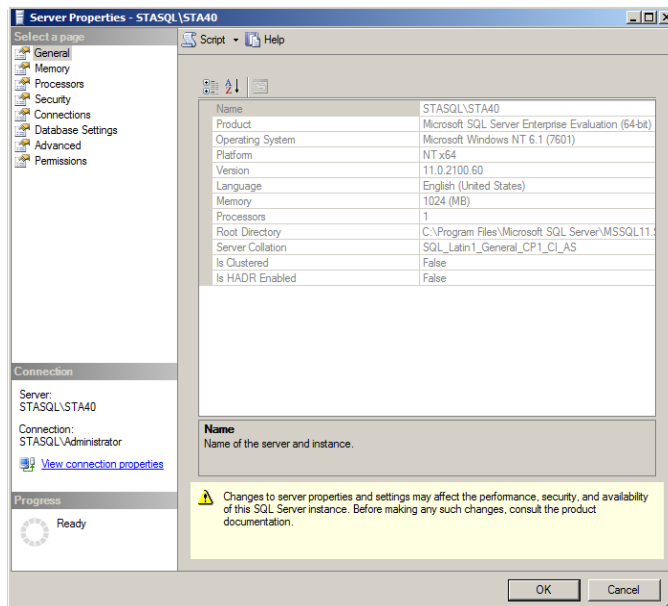
Start Microsoft SQL Server Management Studio:



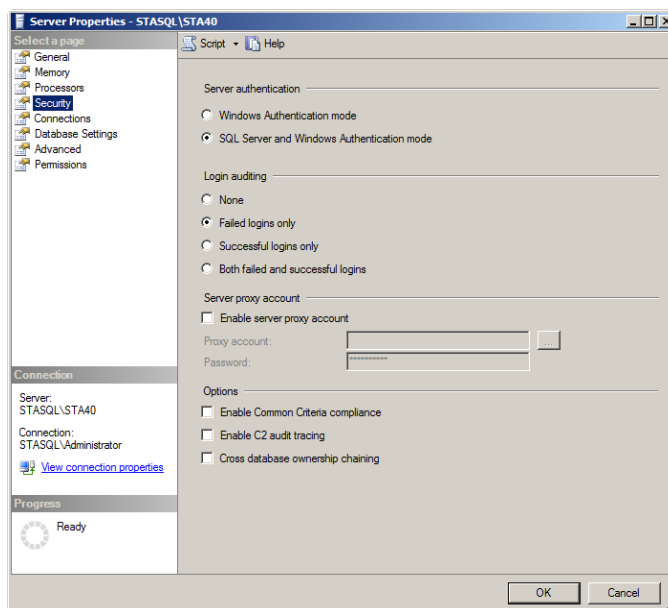
Click **Connect**.



Right click the server in the Object Explorer panel and click Properties.

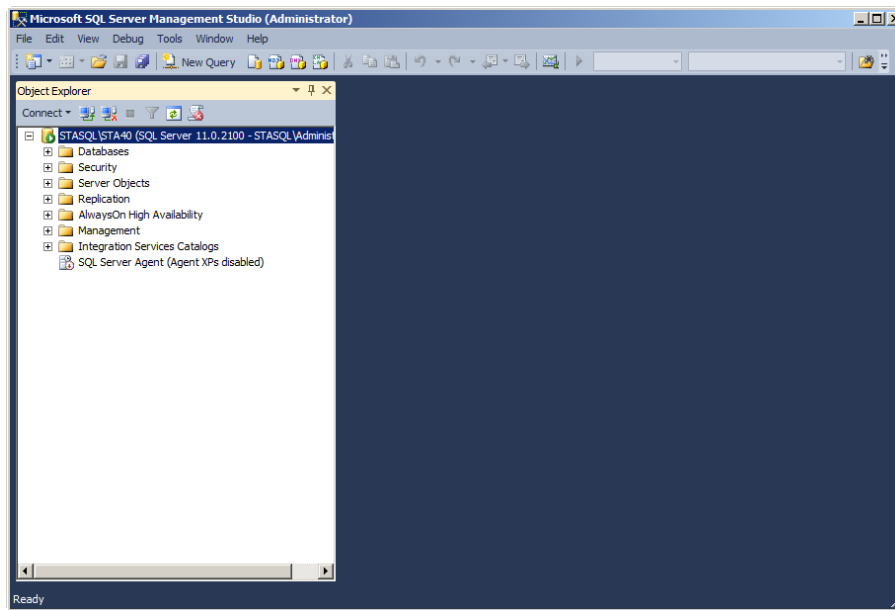


Select Security page and make sure that **SQL Server and Windows Authentication mode** is selected for the Server Authentication.

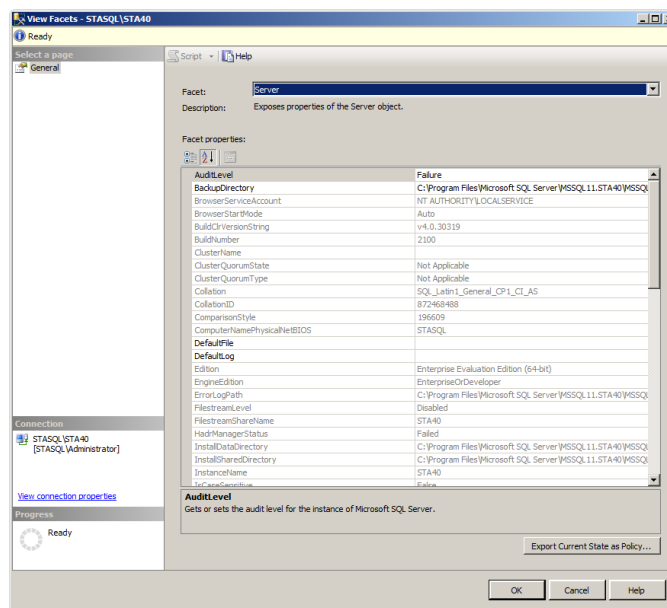


Select Connections and make sure that **Allow remote connections to this server** is enabled.

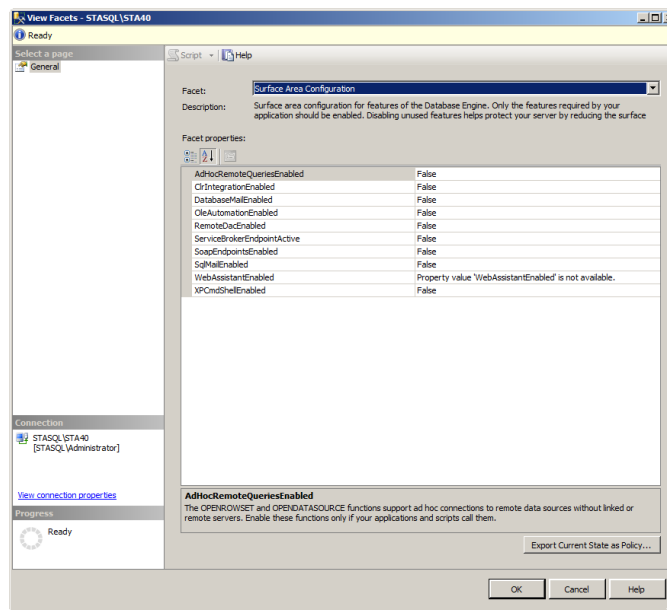
Click OK to close Server Properties window.



Right click on the server in the Object Explorer and choose **Facets**. View Facets window will appear.



From the Facet combo select "Surface Area Configuration":



Set value True for Facet properties **ClrIntegrationEnabled** and **XPCmdShellEnabled**.

Click **OK** to close View Facets window.

Close Microsoft SQL Server Management Studio.

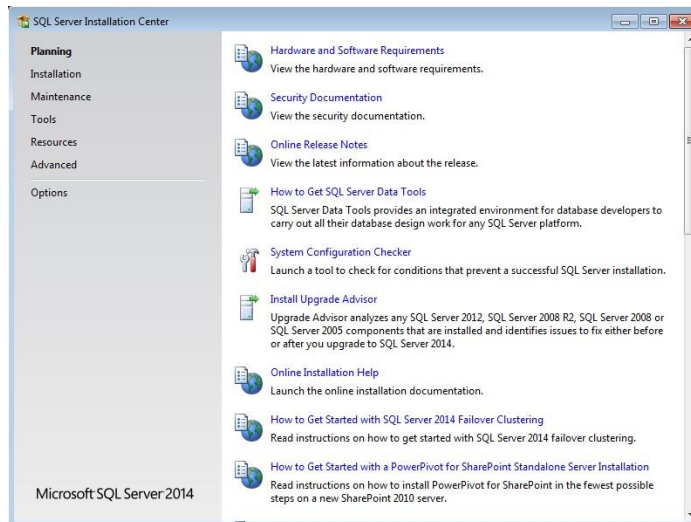
NOTE: All SQL Server configuration steps above may be replaced by running the following script:

```
USE master;
GO
EXEC sp_configure 'show advanced option', '1';
RECONFIGURE;
EXEC sp_configure 'clr enabled', 1;
EXEC sp_configure 'remote access', 1;
EXEC sp_configure 'SMO and DMO XPs', 1;
EXEC sp_configure 'xp_cmdshell', 1;
RECONFIGURE;
EXEC sp_configure;
GO
```

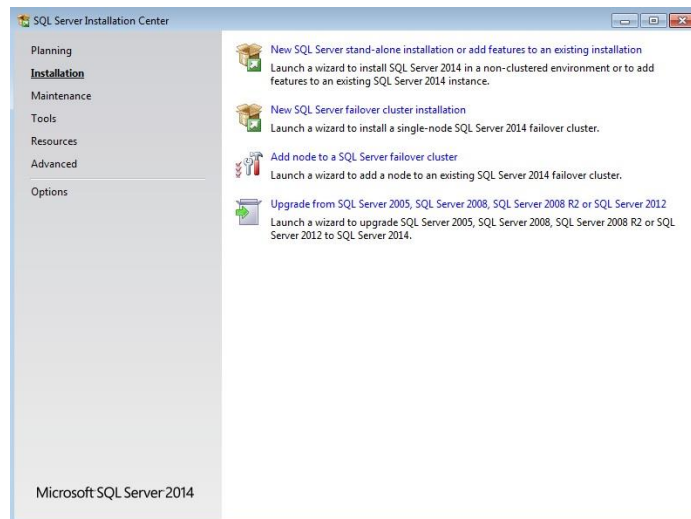
This script is part of deployment and can be found here:
..\Support\STA\Database\SQLEnableAdvFeatures.sql)

12 SQL Server 2014 Standard installation

Start SQL Server 2014 setup

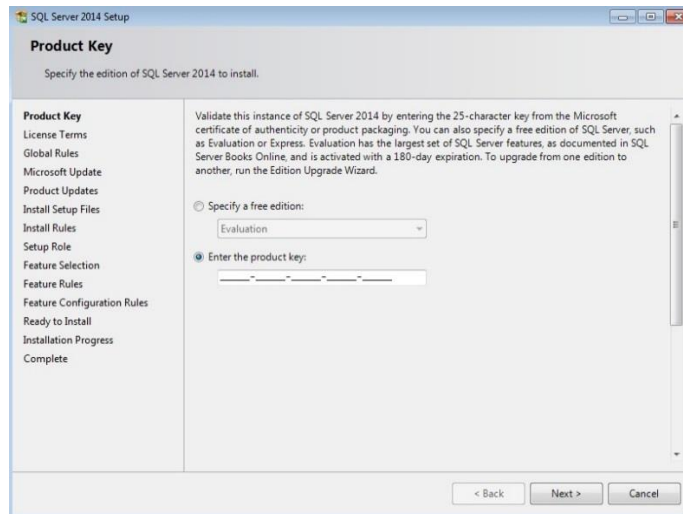


From the links on the left click on the second option **Installation**.

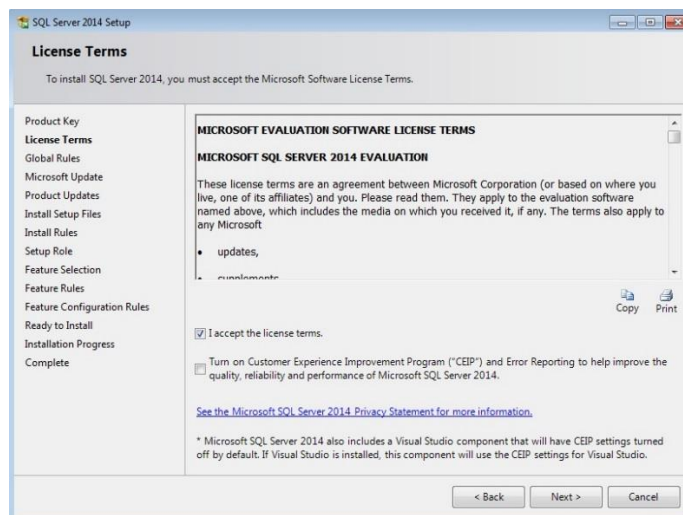


Click on the first option on the right **New SQL Server stand-alone installation or add features to an existing installation**

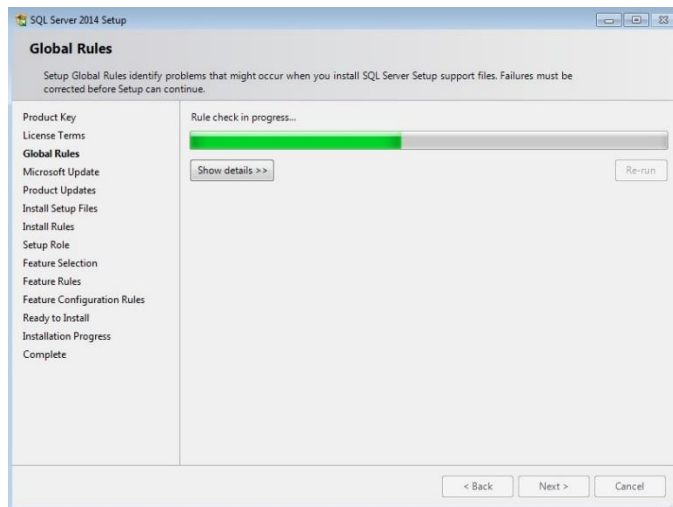
SQL Server setup will ask you for specify the edition of your product.



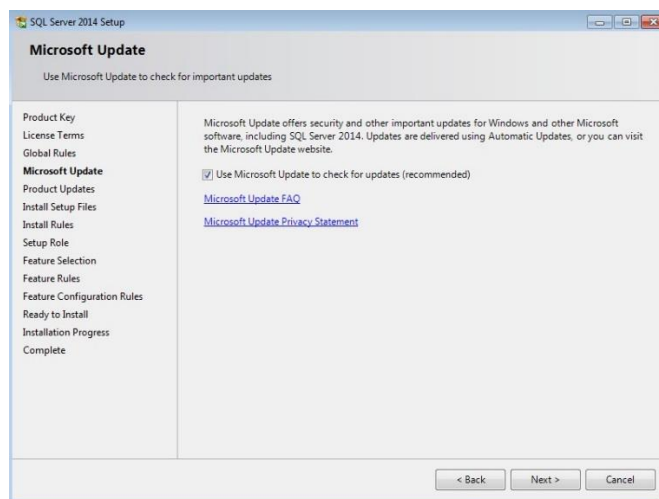
Click Next and accept the license by checking "I accept the license terms" Click Next.



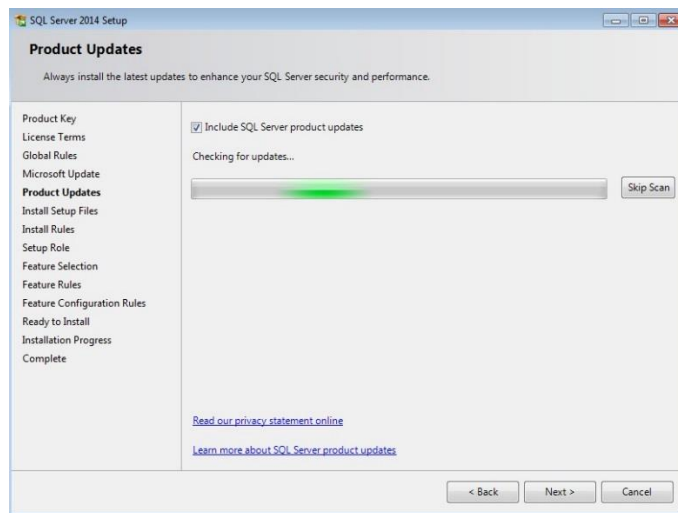
SQL Server setup will check the global rules to identify any possible problems



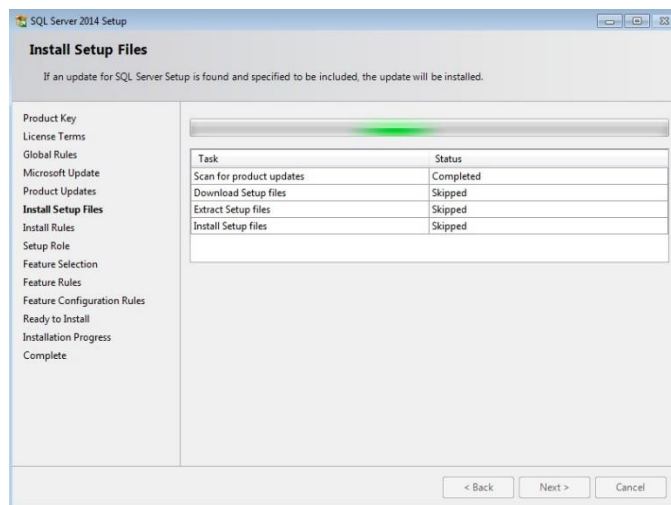
SQL Server setup will ask you for use the Microsoft Update for updating SQL Server 2014



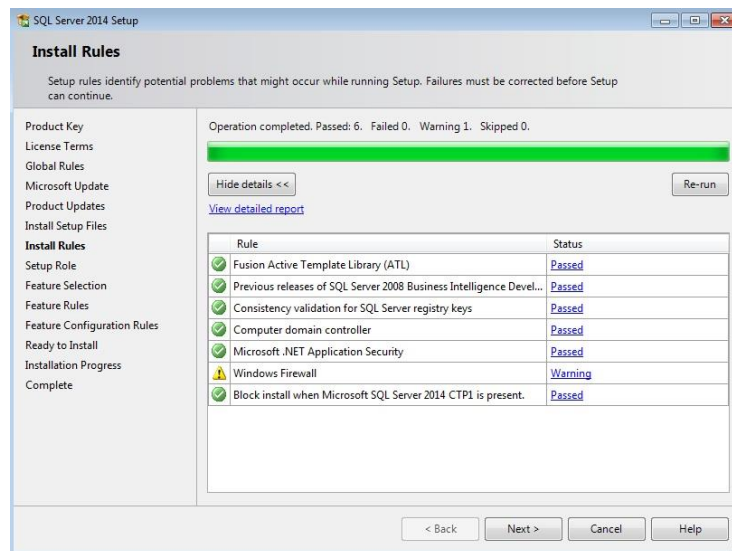
Click **Next**. Product Updates screen will appear and SQL Setup will check if there is any Service Pack or update available:



Click **Next**. Install Setup files screen will be shown.

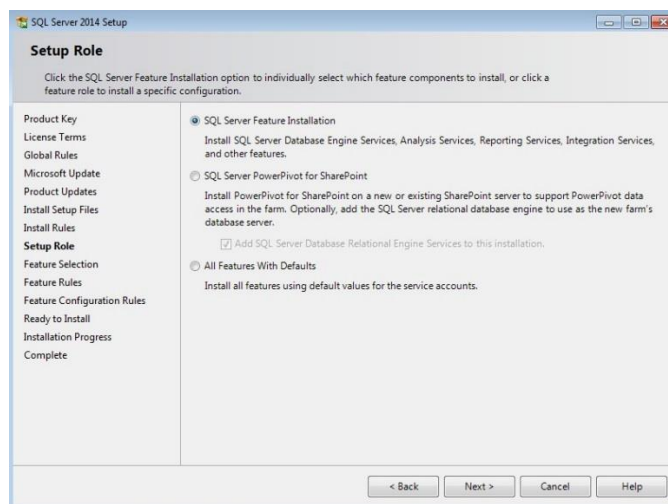


SQL Server setup will verify server configuration. Wait until this process is completed.



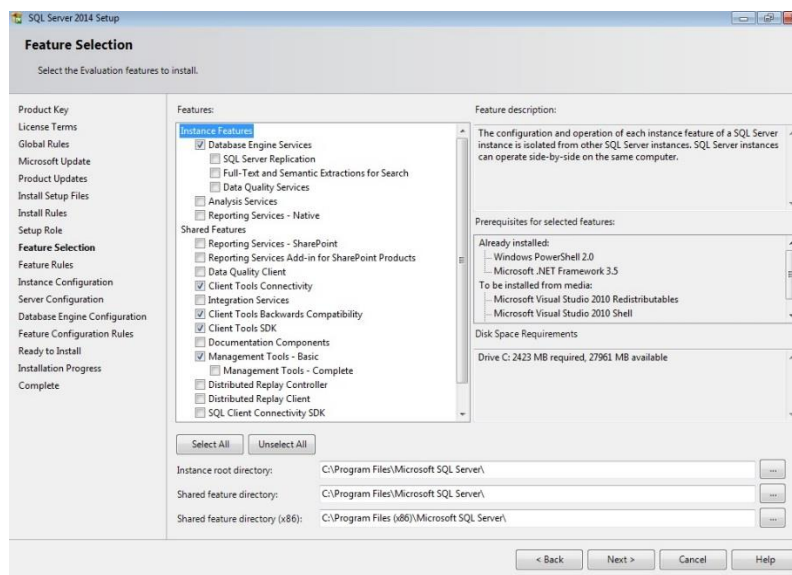
When checks are done, click **Next** to continue with the installation.

On the Setup Role make sure that SQL Server Feature is selected:



Click **Next**. On the Feature Selection step make sure that following options are selected:

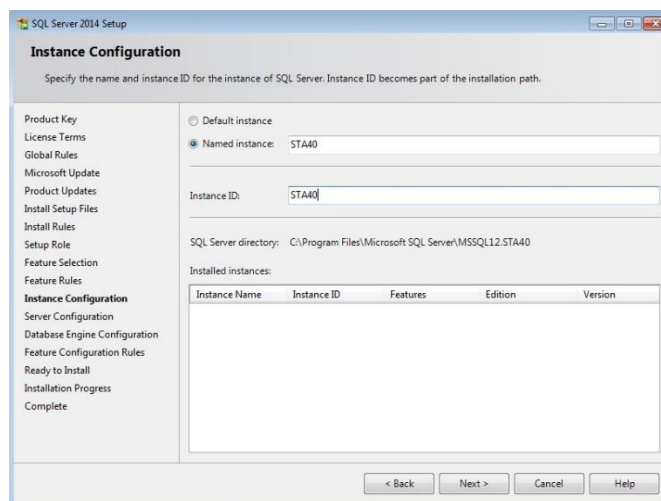
- Instance Features / Database Engine Services
- Shared Features / Client Tools Connectivity
- Shared Features / Client Tools Backwards Compatibility
- Shared Features / Client Tools SDK
- Shared Features / Management Tools - Basic



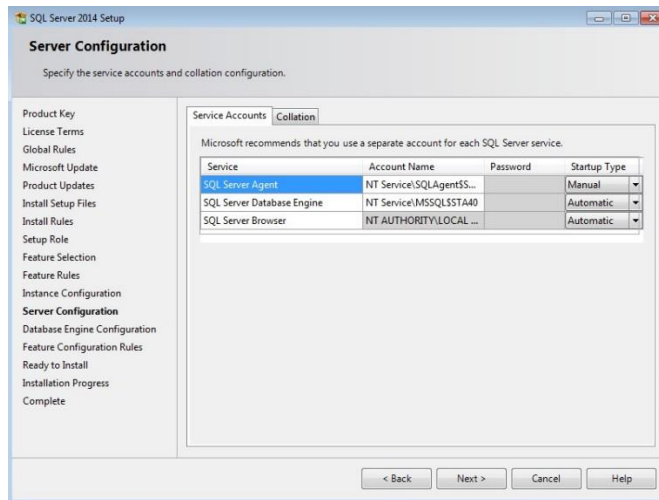
Click **Next** and wait till Feature Rules step ends.

Next Instance Configuration screen will appear.

On this screen you may adjust the name of the SQL instance which is being installed. In order to do this select "Named Instance" option and provide an instance name (on the screen below instance name has been changed to STA40).



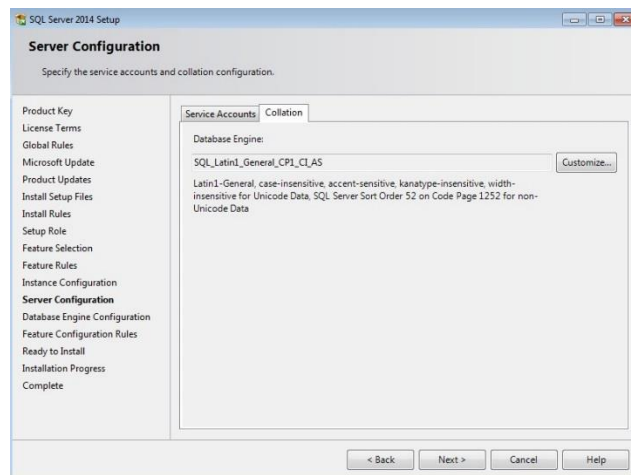
Click **Next**. Server Configuration screen will appear.



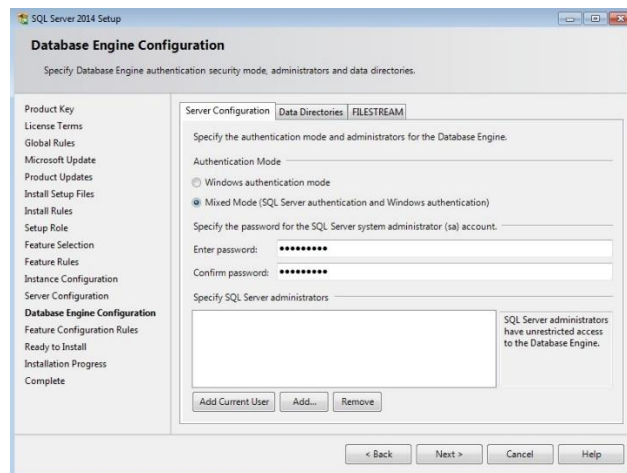
This step is very important. On this step you shall configure Account Name used by all services and collation used by the server.

On the Service Accounts tab - make sure that account selected for SQL Server Database Engine account name has proper access rights to all folders where all the databases are stored / can be stored. Alternatively you may use System account which always has access to any disk / folder.

On the **Collation** tab - make sure that "SQL_Latin1_General_CP1_CI_AS" is selected.



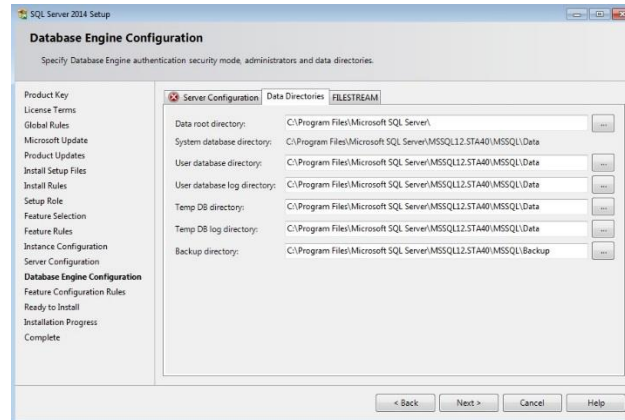
Click **Next**. Database Engine Configuration step will open.



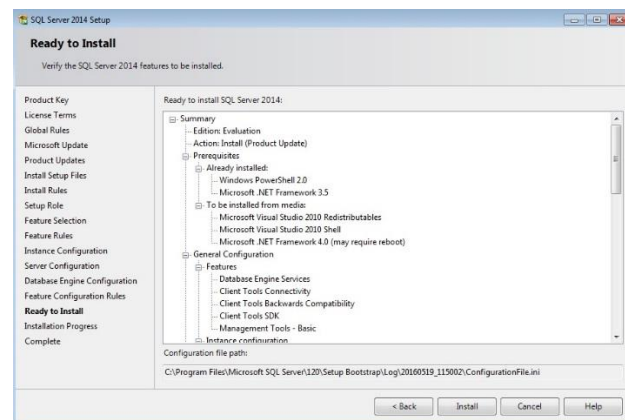
Select Mixed Mode and double provide SQL SA user password. Remember about strong password requirements.

Click **Add Current User** to assign your windows account to the SQL Server administrators group (important to continue setup).

Optional step: you may consider adjusting folder locations that are used by SQL Server and databases. To change this folders use second tab - **Data Directories**.



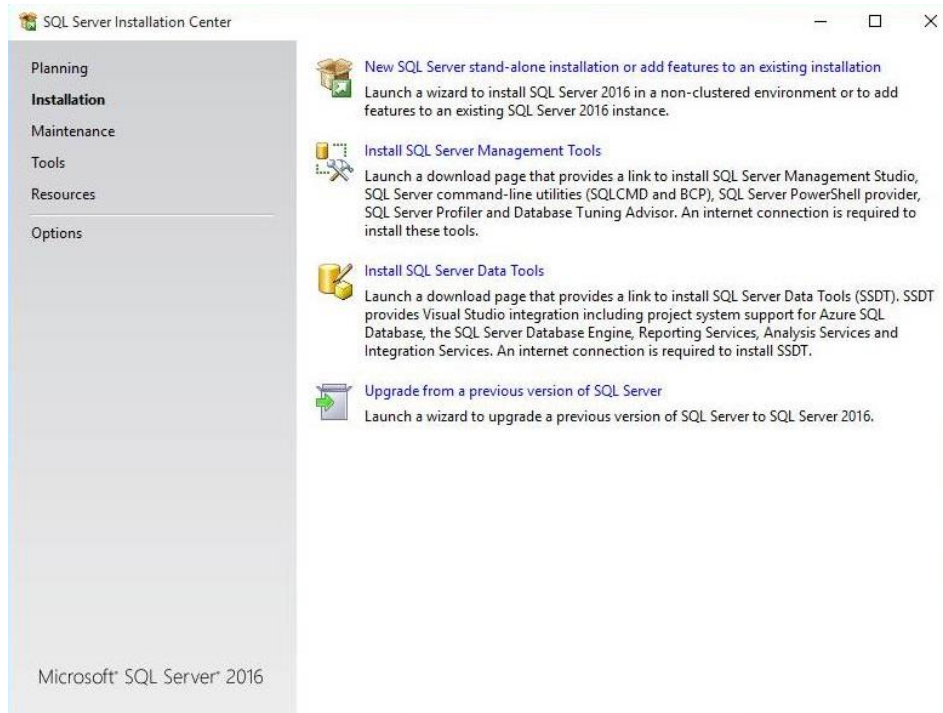
Click **Next** until you get to the last step; "Ready to install".



Click **Install** to start deployment and configuration of SQL Server. Wait until setup is completed.

13 SQL Server 2016 Express installation

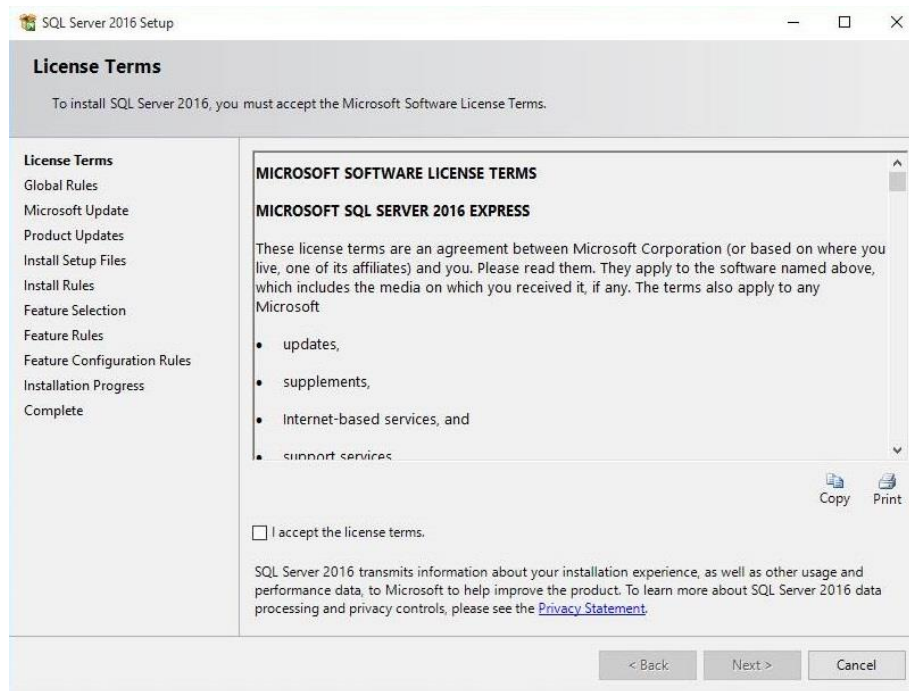
Start SQL Server 2016 setup:



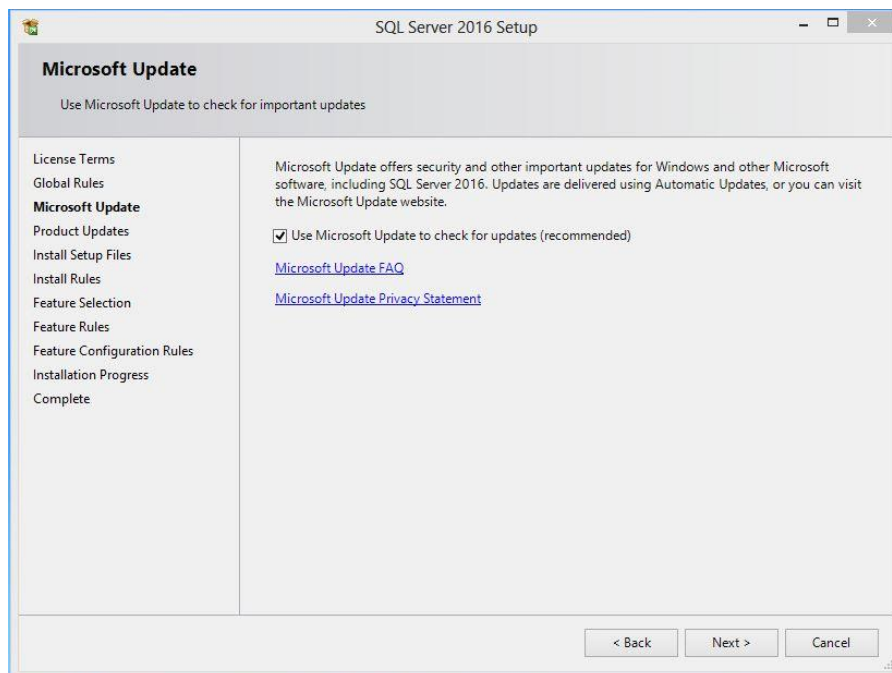
Setup will open **Installation** tab from left menu by default.

Click on the first option on the right **New SQL Server stand-alone installation or add features to an existing installation**.

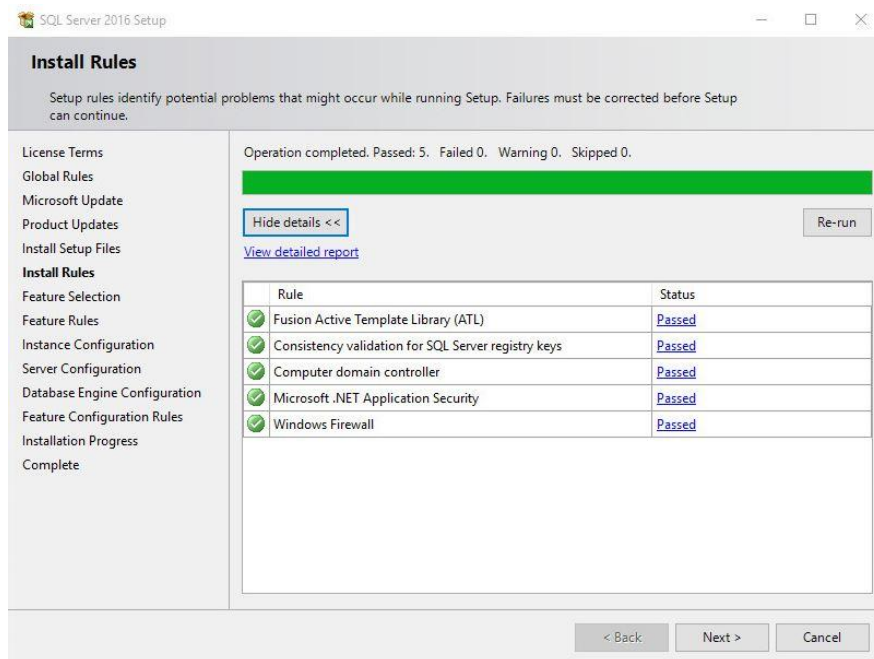
SQL Server setup will show **Licence Terms** screen.



Accept the license by checking "**I accept the license terms**" and click **Next** button. **Microsoft Update** screen will appear and if selected SQL Setup will check if there is any Service Pack or update available:



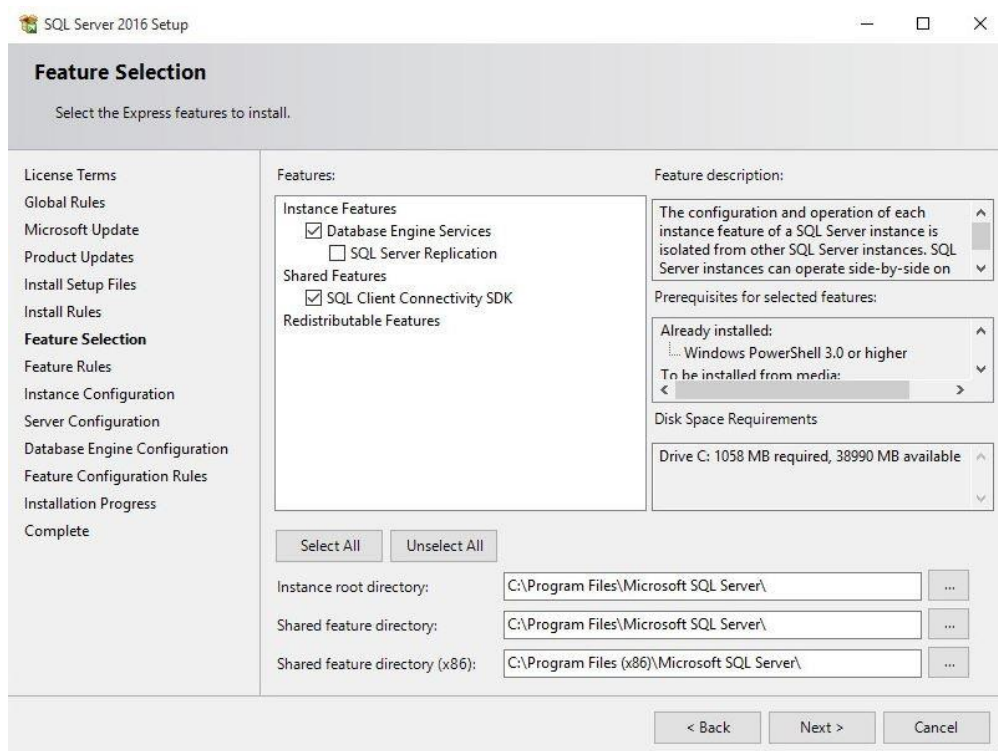
Click **Next**. **Install Rules** screen appears validating configuration of system for potential problems.



When checks are done, click **Next** to continue with the installation.

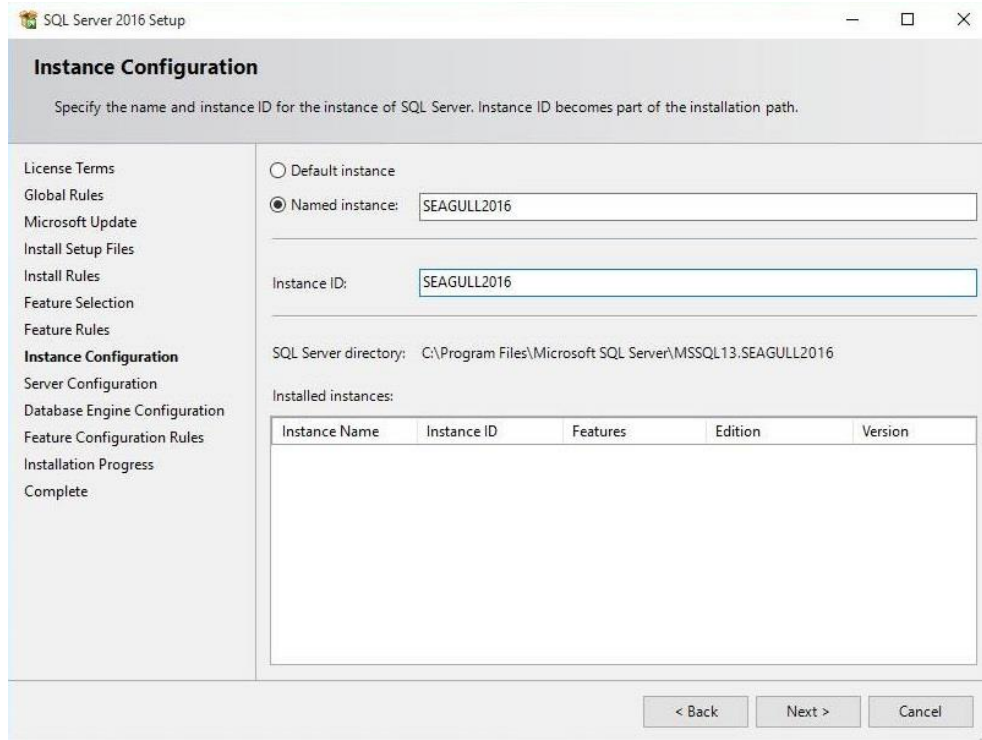
Feature selection screen is displayed, make sure that following options are selected:

- Instance Features / Database Engine Services
- Shared Features / SQL Client Connectivity SDK



Click **Next**. **Instance Configuration** step will appear.

On this screen you may adjust the name of SQL instance which is being installed. In order to do this select "Named Instance" option and provide an instance name (on the screen below instance name has been changed to Seagull2016).



Instance Configuration

Specify the name and instance ID for the instance of SQL Server. Instance ID becomes part of the installation path.

License Terms
Global Rules
Microsoft Update
Install Setup Files
Install Rules
Feature Selection
Feature Rules
Instance Configuration
Server Configuration
Database Engine Configuration
Feature Configuration Rules
Installation Progress
Complete

☐ Default instance
☒ Named instance: SEAGULL2016

Instance ID: SEAGULL2016

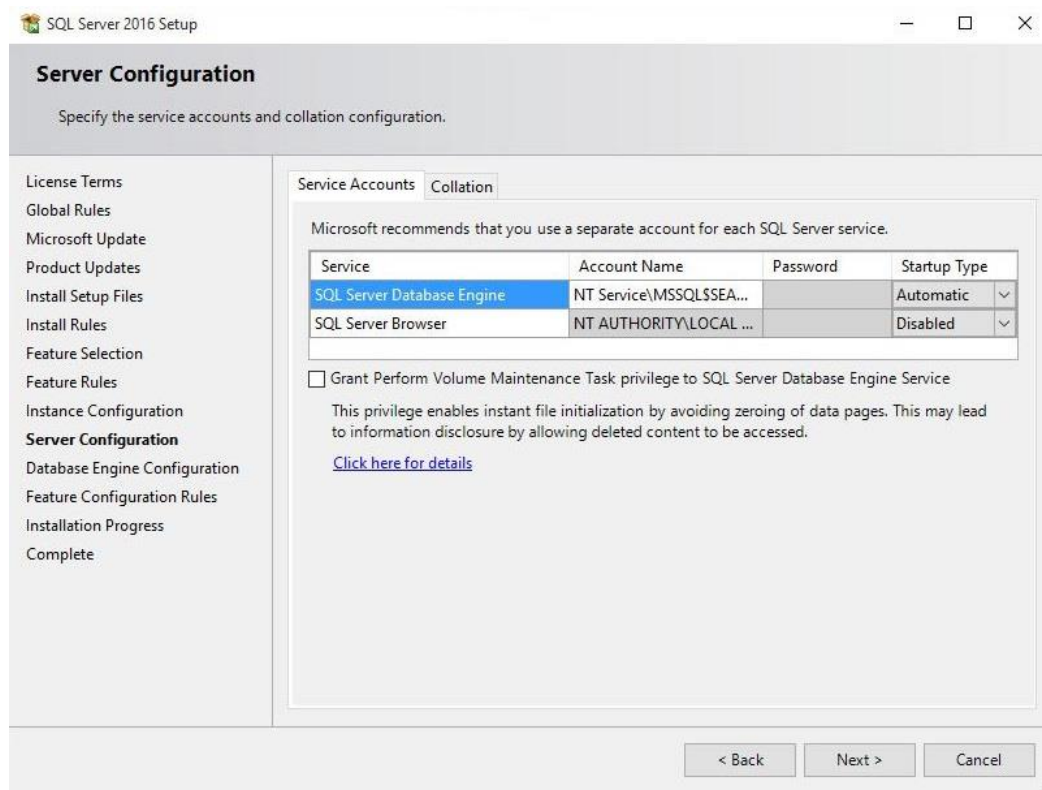
SQL Server directory: C:\Program Files\Microsoft SQL Server\MSSQL13.SEAGULL2016

Installed instances:

Instance Name	Instance ID	Features	Edition	Version
---------------	-------------	----------	---------	---------

< Back Next > Cancel

Click **Next**. **Server Configuration** screen will appear.

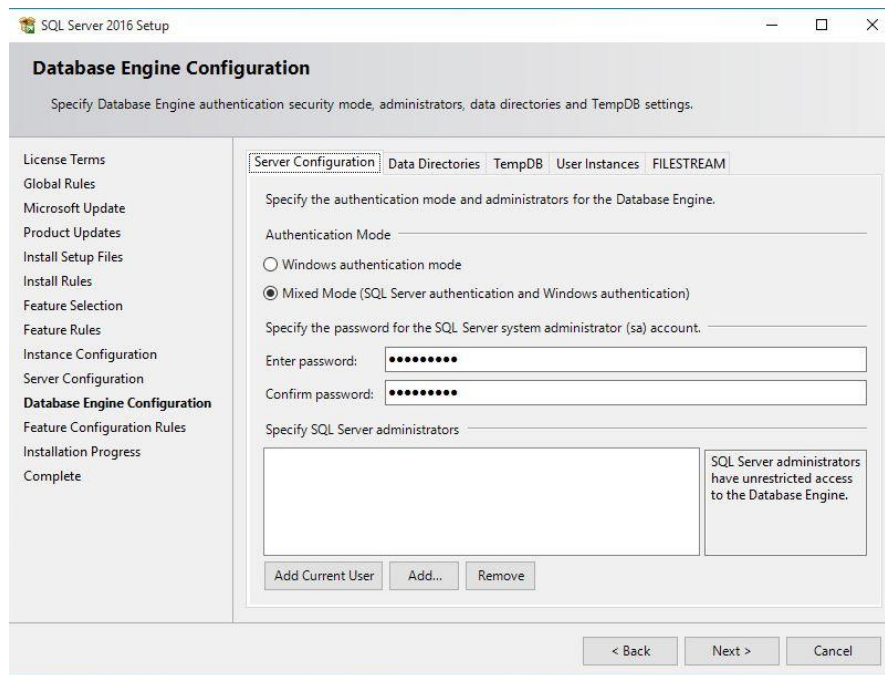


This step is very important. On this step you shall configure Account Name used by SQL services and collation used by the server.

On the Service Accounts tab - make sure that account selected for SQL Server Database Engine account name has proper access privileges to all folders where all databases are stored / can be stored. Alternatively you may use System account which always has access to any disk / folder.

On the **Collation** tab - make sure that "SQL_Latin1_General_CP1_CI_AS" is selected.

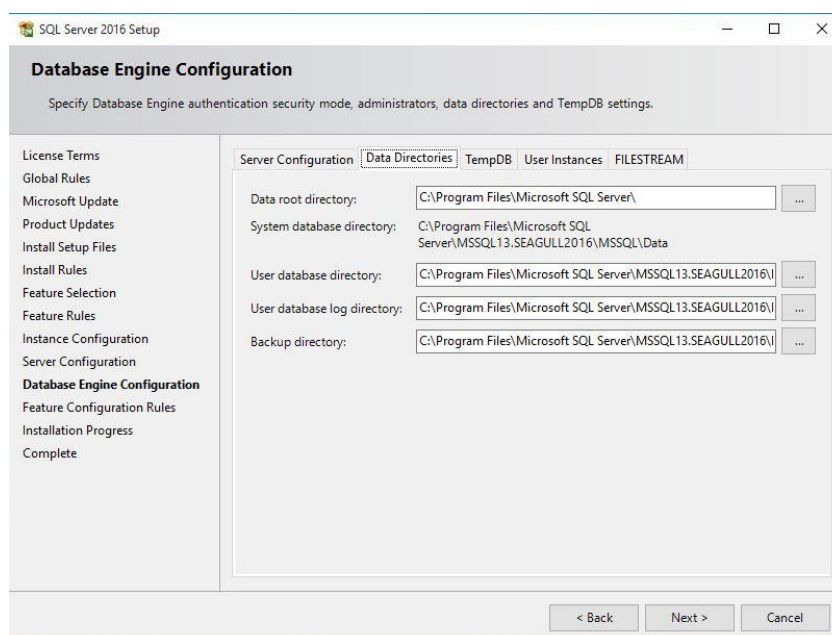
Click **Next**. Database Engine Configuration step will open.



Select Mixed Mode and double provide SQL SA user password. Remember about strong password requirements.

Click **Add Current User** to assign your windows account to the SQL Server administrators group.

Optional step: you may consider adjusting folder locations that are used by SQL Server and databases. To change this folders use second tab - **Data Directories**.



Click **Next** to start deployment and configuration of SQL Server. Wait until setup is completed.

14 OLP automated installation

OLP setup supports following command line switches:

/advanced	turn setup into advanced mode. By default setup will run in simple mode, where most of its configuration screens are hidden and where default settings are used. User will see given screen only when default value is conflicting and not can be used. When /advanced switch is used all screens will be available for end user.
/silent	UI of setup is not visible. Only installation progress and messages are shown. NOTE: /silent will require also using /ini switch to provide path to the ini file with setup configuration.
/verysilent	UI of setup and its messages are not visible, including all errors and successful message. Only installation progress is shown. Also messages are only logged and not shown. NOTE: verysilent will require also using /ini switch to provide path to the ini file with setup configuration.
/noreboot	setup will not reboot system automatically but will continue installation after manual restart triggered by end user.
/ini:"Path_To_Ini"	sets the path from which setup will read setup configuration for silent and very silent mode
/generateini:"Path_To_Ini"	
/nosqlcheck	allows installing solution using database engine other than SQL version 2012.
/servicesonreboot	avoids any of the services to start automatically until next reboot.

In order to make deployment fully automated it need to be provided with the **/ini:"Path_To_Ini"** where "path_to_ini" is the full path to the text file that includes all setup configuration parameters. In case of vessel installation the input ini file should follow this structure:

[GeneralSettings]

InstallationType=Vessel
InstallApplicationAndServices=True
InstallSupportTools=True
InstallDatabase=True
ExecutablesFoldePath=C:\Program Files (x86)\Seagull\STA40

[ServicesSettings]

StartStaOnlineWebApplicationServices=True
StartDataExchangeService=True
StartImporterService=True
StartDrilldownCacheRefresherService=True
StartReportGeneratorService=True
StartDocumentSynchronizerService=True
StartMaintenanceService=True
MaintenanceIPAddress=127.0.0.1
MaintenancePort=30000
DocumentSynchronizerIPAddress=127.0.0.1
DocumentSynchronizerPort=30001
ReportGeneratorIPAddress=127.0.0.1
ReportGeneratorPort=30004
DataExchangeIPAddress=127.0.0.1
DataExchangePort=30002
ImporterIPAddress=127.0.0.1
ImporterPort=30003

[WebApplicationSettings]

IISType=FullIIS
UseExistingWebsite=False
NewWebsiteName=STA40
Protocol=Http
IPAddress=*
Port=8080
HostHeader=
NewWebsitePhysicalPath=C:\Inetpub\wwwroot\STA40_(STA40)
InstallMainWebAppInWebsiteRoot=False
MainApplicationVirtualDirectoryName=STA40
MainApplicationPhysicalPath=C:\Inetpub\wwwroot\STA40_(STA40)\STA40
ResourcesVirtualDirectoryName=RESOURCES
ResourcesPhysicalPathName=C:\Inetpub\wwwroot\STA40_(STA40)\STA40_Resources
StorageFolderPhysicalPath=C:\STA40_Services_Storage_(STA40_STA40)
SCORMFolderPhysicalPath=C:\STA40_Scorm_Upload_(STA40_STA40)
ReportGeneratorServiceUrl=http://127.0.0.1:8080/STA40/

[DatabaseSettings]

InstallWebDatabaseOnNewServer=True
WebDatabaseName=STA
WebDatabasePhysicalPath=C:\Program Files (x86)\Seagull\STA40\Database

Note. Please remember that deployment of OLP requires windows administrative privileges. This means that scripted installation will succeed only in case command line (cmd) has been started with administrative privileges.