

CENIT Field Guide IBM ESM

Upgrade Guide from 5.5.5.0.003 or higher to 5.5.7.0.000

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CENIT AG

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Content

Prerequisites	3
Upgrading to IBM Enterprise Content Management System Monitor 5.5.7.0.000	3
Backup and Fall-back scenario.....	3
Installation steps.....	3
Advanced Options	4
Update 5.5.5.0.003 Server to Version 5.5.7.0.000	5
Windows Server.....	5
UNIX Server	14
Update 5.5.5.0.003 Agent to Version 5.5.7.0.000	22
Windows Agent.....	22
UNIX Agent.....	29
Contact Information	35

Prerequisites

Upgrading to IBM Enterprise Content Management System Monitor 5.5.7.0.000

Requires at least a working installation of 5.5.5.0.003

Upgradeable versions are 5.5.5.0.003, 5.5.5.1.000 and 5.5.5.1.001

This guide is based on an ESM installation which uses H2 as monitoring and configuration Database

Since ESM 5.5.5.0.001 it is possible to change from inbuilt H2 database to MSSQL or IBM DB2. For further Information take a look at our Field Guide CENIT Field Guide IBM ESM

ESM-Switch Database during update to V5.5.5.0003

Check our IBM ESM Field Guides Page for support documents. Here you find guides to help you to configure ESM 5.5.5.0.1 to prevent DB Corruption and Switch Database during Update to V5.5.5.003:

https://www.cenit.com/en_EN/products-solutions/eim/processing-file-and-document-management/software/ibm-ecm-system-monitor/ibm-esm-field-guides.html

You can find the installer images for ESM 5.5.5.0.003 on IBM Fix Central:

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=Enterprise%20Content%20Management&product=ibm/Information+Management/FileNet+System+Monitor&release=5.5.5.0&platform=Windows&function=all>

Please read the Readme file carefully in advance.

Backup and Fall-back scenario

As a fall-back plan we recommend to take snapshots of your virtual systems. It is strongly recommended to stop the ESM Server and Agent processes (UNIX) or services (Windows) before you start to take a snapshot.

In case you work on a physical installation, stop ESM Server process and backup configuration.mv.db and monitoring.mv.db from /karaf directory. If the upgrade fails, uninstall all components of FixPack and reinstall the previous version.

Stop ESM Server process/service and restore backup of configuration.mv.db and monitoring.mv.db. Start ESM Server process/service.

Installation steps

Distribute IA installer binaries to your environment, or put it on a share where you have access from all affected systems. Distributed installer binaries on UNIX Systems may lose execution rights during distribution process – adjust umask of installer binary, e.g. 755.

Start with the server upgrade and then with the agents.

The following steps are an example how to walk through your upgrade process.

Advanced Options

We recommend to use our help for these activities. If you need further information about implementation services and ESM trainings please contact CENIT at <mailto:ECM.SystemMonitor@cenit.com>

If you are not already on 5.5.5.0.003 or higher please check our upgrade guide on

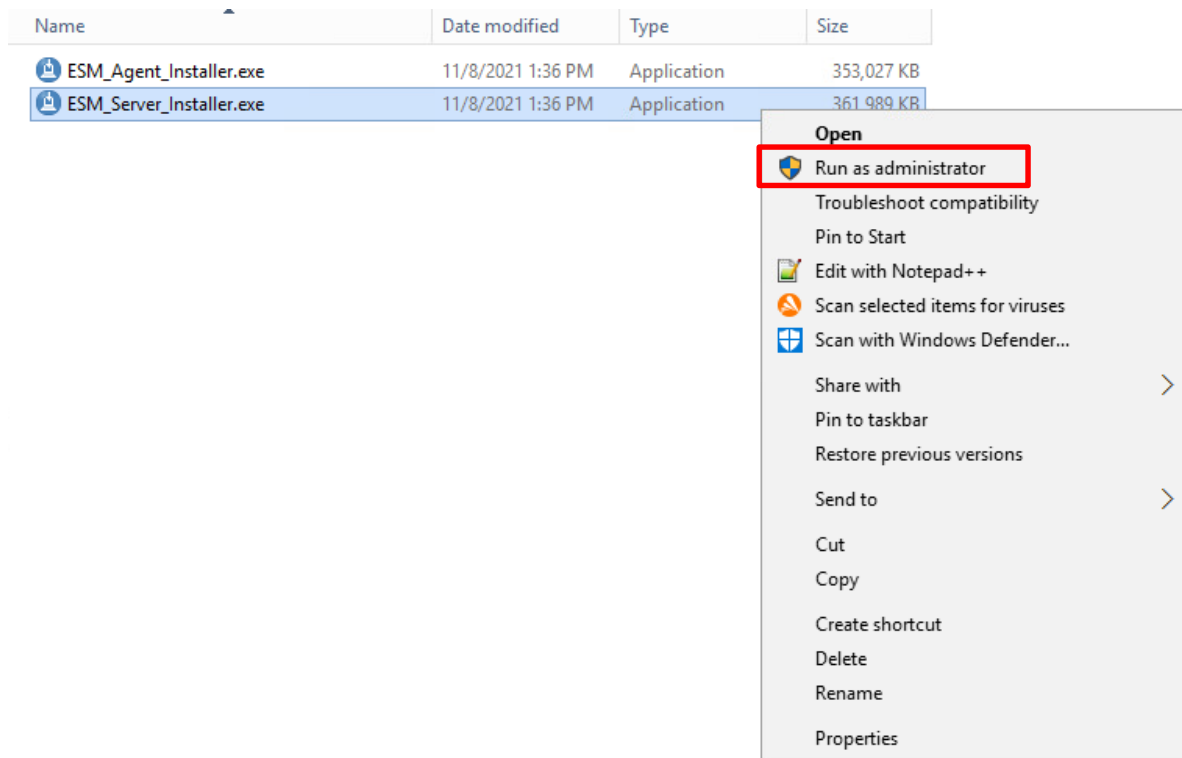
https://www.cenit.com/en_EN/products-solutions/eim/processing-file-and-document-management/software/ibm-ecm-system-monitor/ibm-esm-field-guides.html

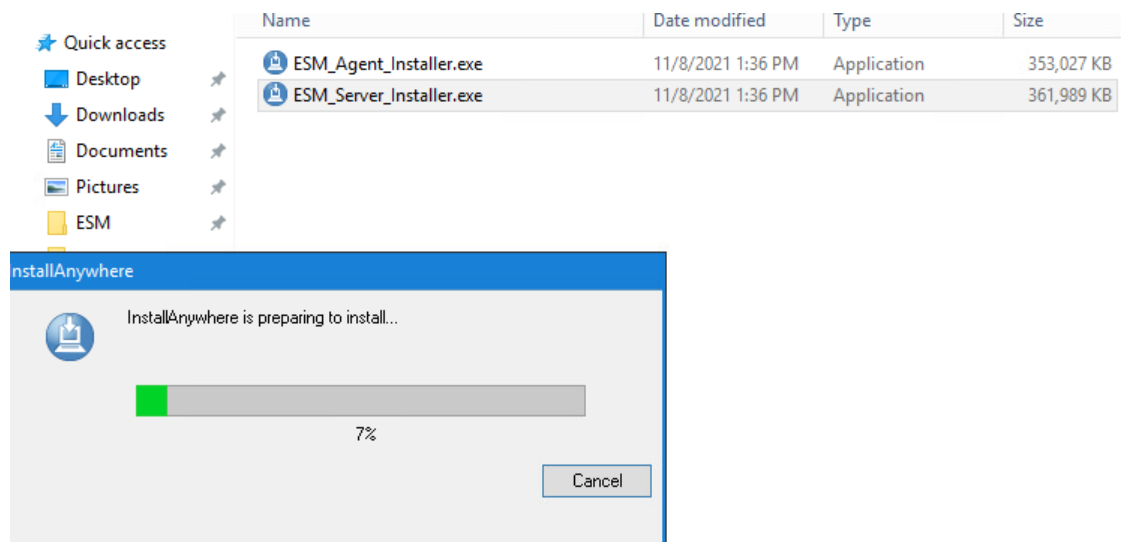
Update 5.5.5.0.003 Server to Version 5.5.7.0.000

Windows Server

Execute ESM Server 5.5.7.0.000 installer binary

Right mouse click on ESM_Server_Installer and select **Run as administrator**

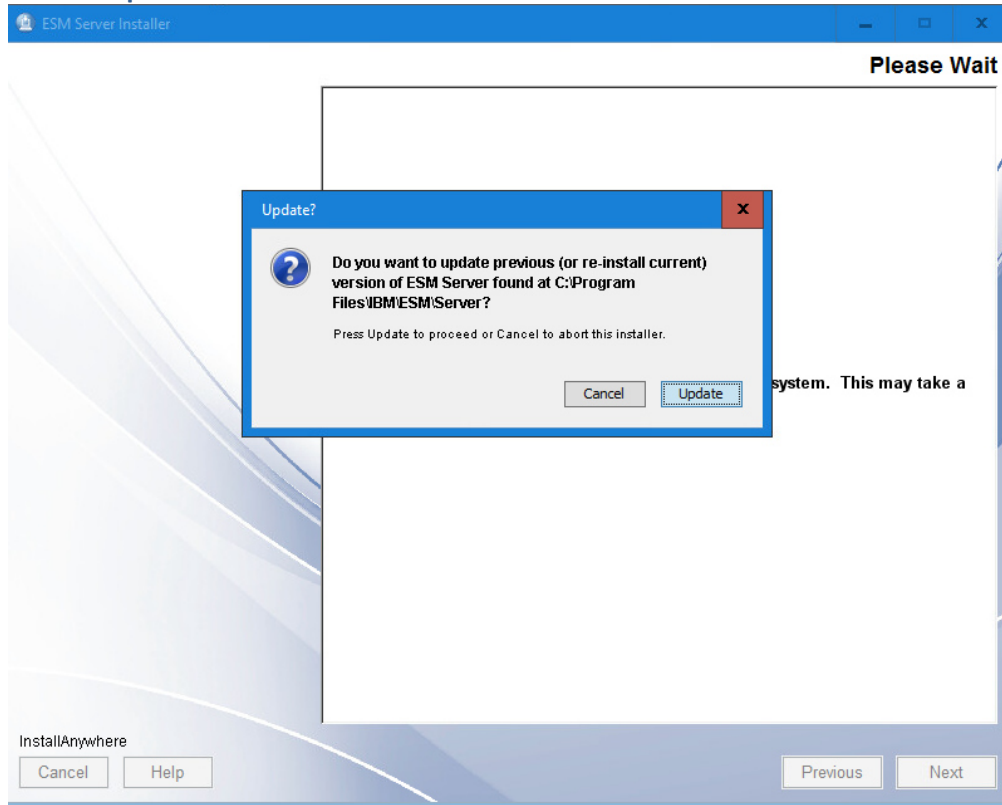




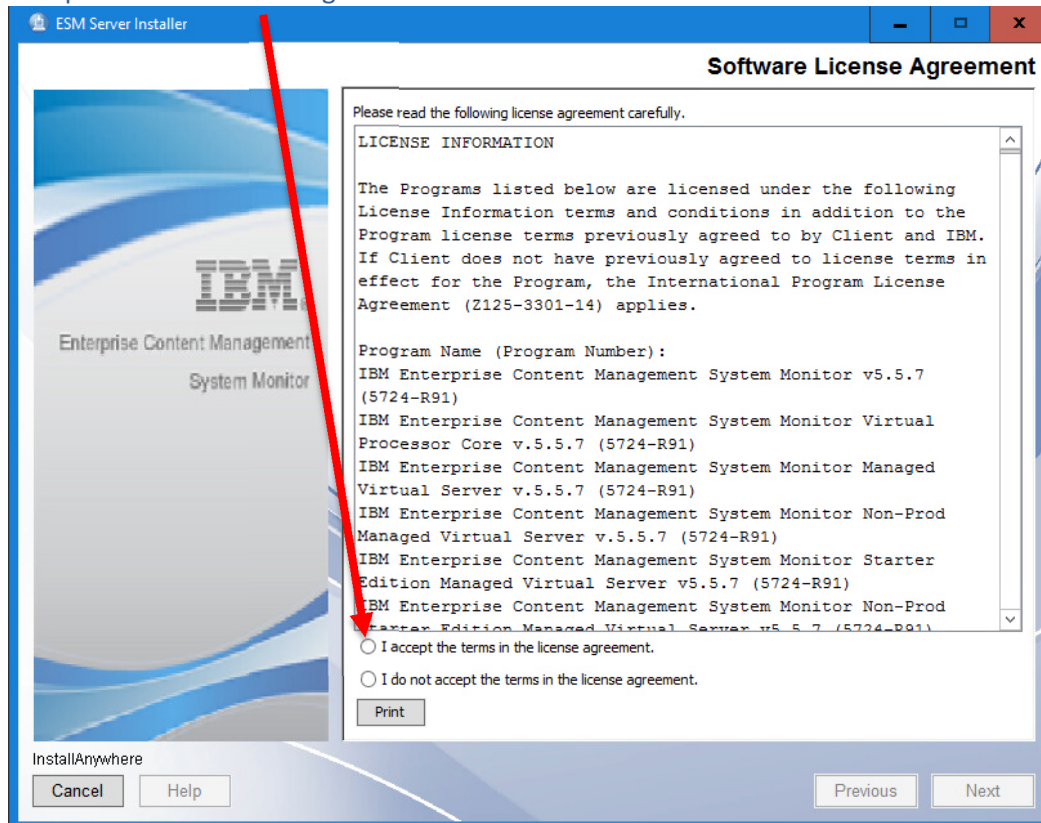
InstallAnywhere starts



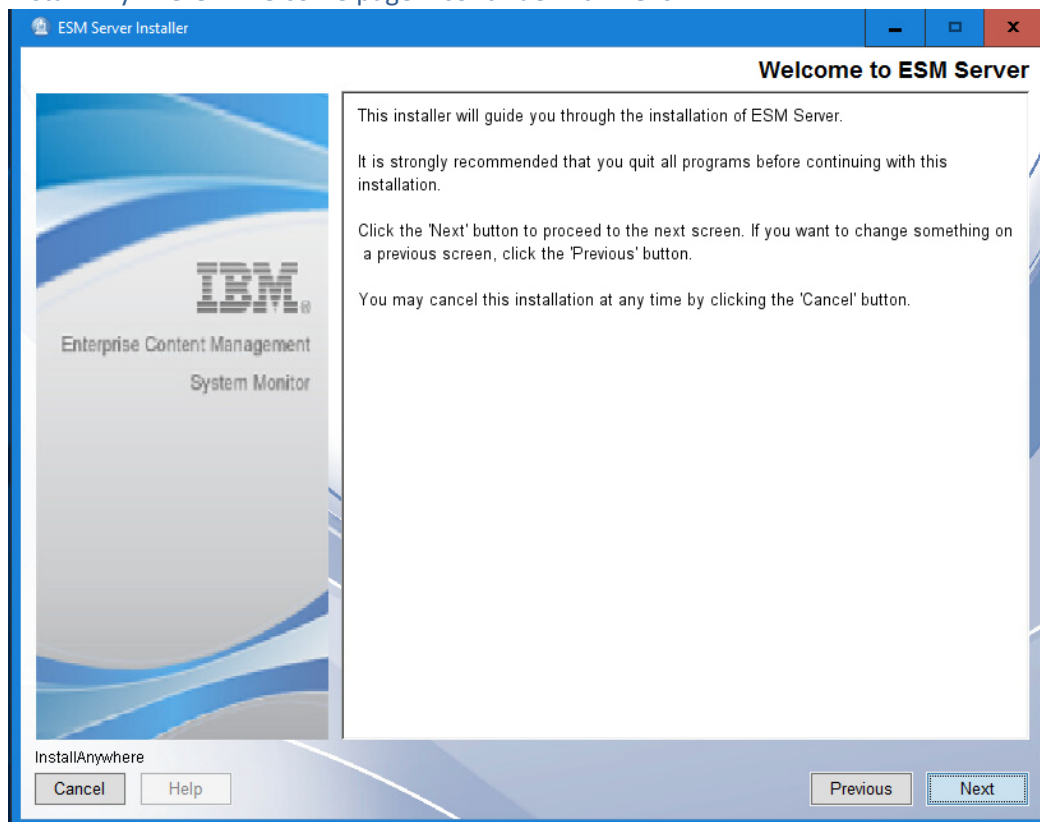
Click on **Update** to continue



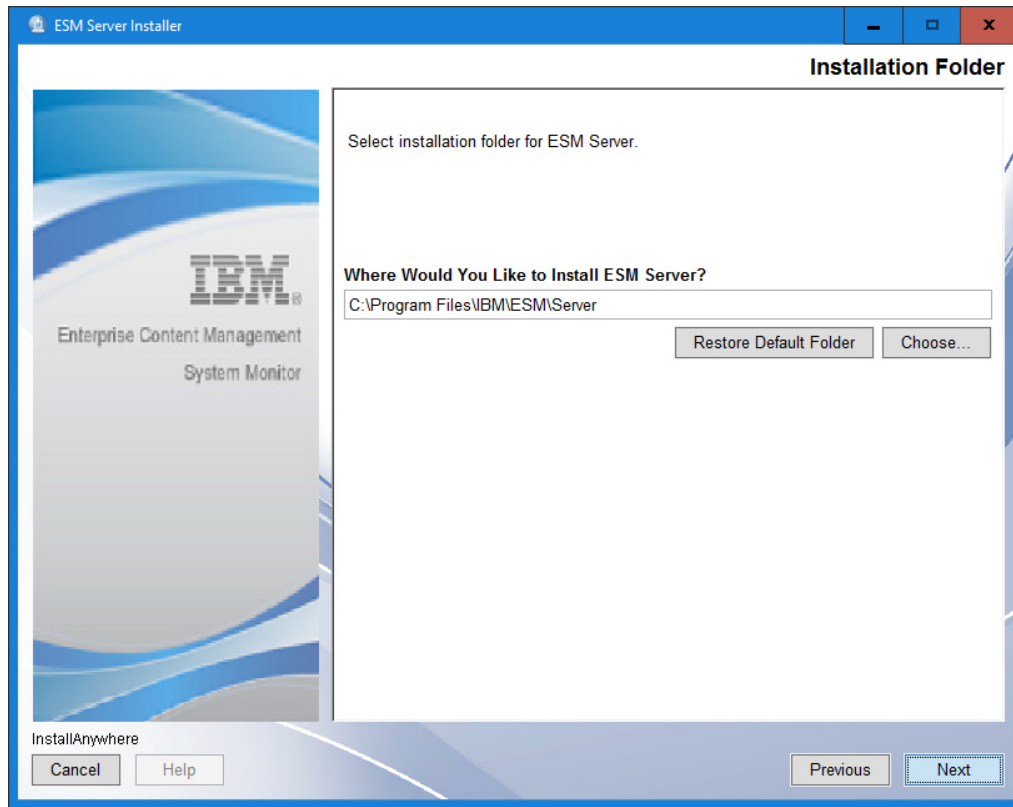
Accept Software License Agreement – continue with **Next**



Install Anywhere – Welcome page – continue with **Next**



Take over Installation folder- continue with **Next**



Take over ESM Server Settings – continue with **Next**



Configuration and Monitoring Database Settings – please note the **WARNING** notice !

The screenshot shows the 'Configuration Database Settings' window of the ESM Server Installer. On the left is the IBM Enterprise Content Management System Monitor logo. The main area contains instructions for configuring the database, a list of supported external databases (DB2, MSSQL), a warning about data migration, and input fields for the JDBC URL, driver class name, user name, and password. The JDBC URL is pre-filled with 'jdbc:h2:./configuration;AUTO_SERVER=TRUE;AUTO_RECONNECT=TRUE'. The driver class name is 'org.h2.Driver', the user name is 'db', and the password is masked with asterisks. At the bottom, there are 'Cancel', 'Help', 'Previous', and 'Next' buttons.

ESM Server Installer

Configuration Database Settings

Optionally change the JDBC URL, driver class and credentials for the configuration DB.

- jdbc:db2://[serverName[/instanceName][:portNumber]][[:property=value]
- jdbc:sqlserver://[serverName[/instanceName][:portNumber]][[:property=value]
- com.ibm.db2.jcc.DB2Driver | com.microsoft.sqlserver.jdbc.SQLServerDriver

The driver for the default embedded H2 database is already included.

Supported external databases: DB2, MSSQL

WARNING: Existing data will not be migrated to a different database!

JDBC URL

jdbc:h2:./configuration;AUTO_SERVER=TRUE;AUTO_RECONNECT=TRUE

JDBC Driver Class Name

org.h2.Driver

Database User Name

db

Database User Password

Make sure to copy the external driver to the karaf/deploy folder after installation!

InstallAnywhere

Cancel Help Previous Next

The screenshot shows the 'Monitoring Database Settings' window of the ESM Server Installer. It has the same layout as the configuration window, with the IBM logo on the left and configuration instructions on the right. The JDBC URL is pre-filled with 'jdbc:h2:./monitoring;AUTO_SERVER=TRUE;AUTO_RECONNECT=TRUE'. The driver class name is 'org.h2.Driver', the user name is 'db', and the password is masked with asterisks. At the bottom, there are 'Cancel', 'Help', 'Previous', and 'Next' buttons.

ESM Server Installer

Monitoring Database Settings

Optionally change the JDBC URL, driver class and credentials for the monitoring DB.

- jdbc:db2://[serverName[/instanceName][:portNumber]][[:property=value]
- jdbc:sqlserver://[serverName[/instanceName][:portNumber]][[:property=value]
- com.ibm.db2.jcc.DB2Driver | com.microsoft.sqlserver.jdbc.SQLServerDriver

The driver for the default embedded H2 database is already included.

Supported external databases: DB2, MSSQL

WARNING: Existing data will not be migrated to a different database!

JDBC URL

jdbc:h2:./monitoring;AUTO_SERVER=TRUE;AUTO_RECONNECT=TRUE

JDBC Driver Class Name

org.h2.Driver

Database User Name

db

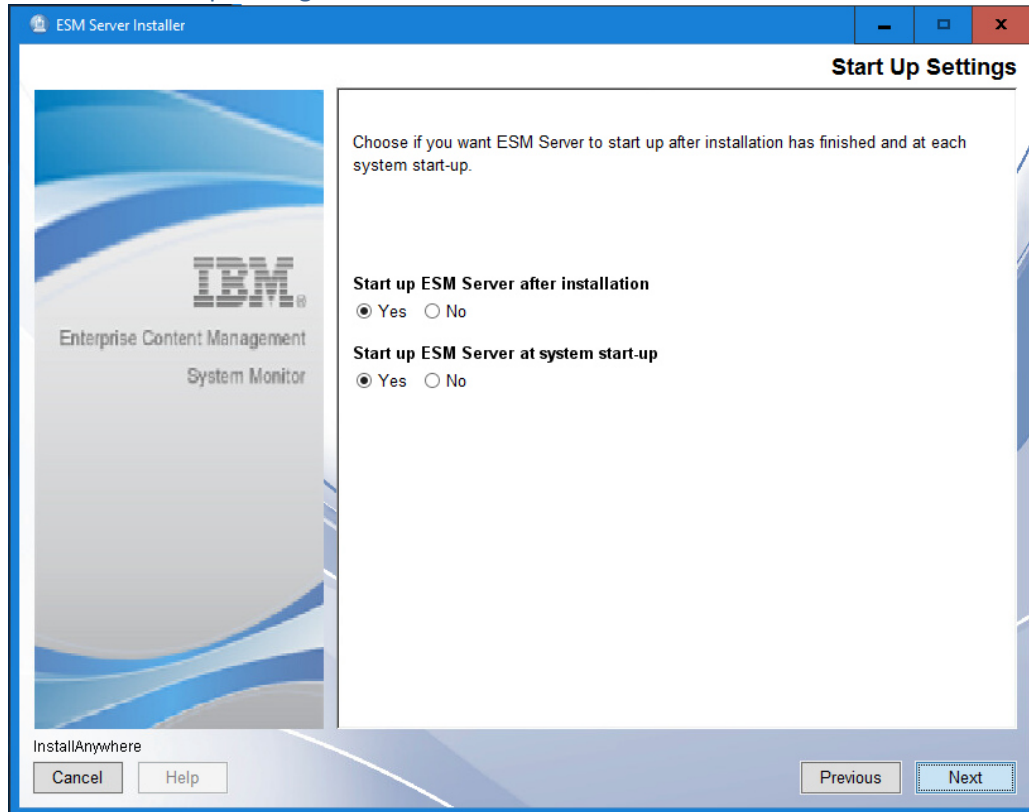
Database User Password

Make sure to copy the external driver to the karaf/deploy folder after installation!

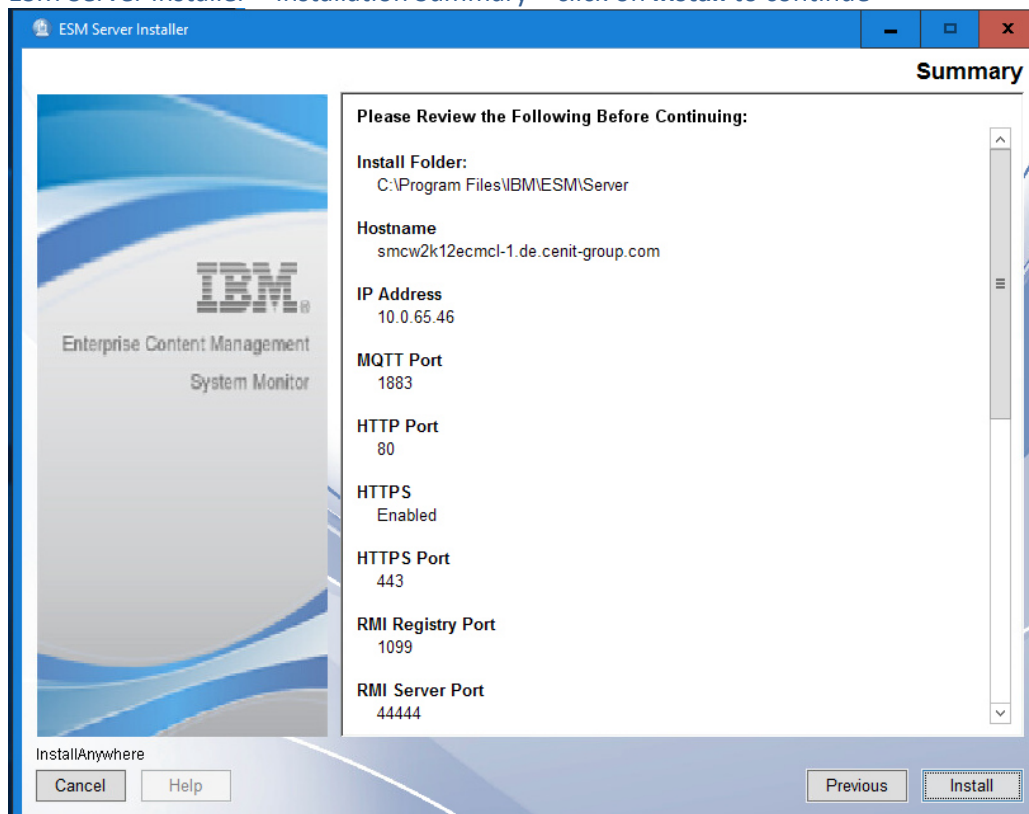
InstallAnywhere

Cancel Help Previous Next

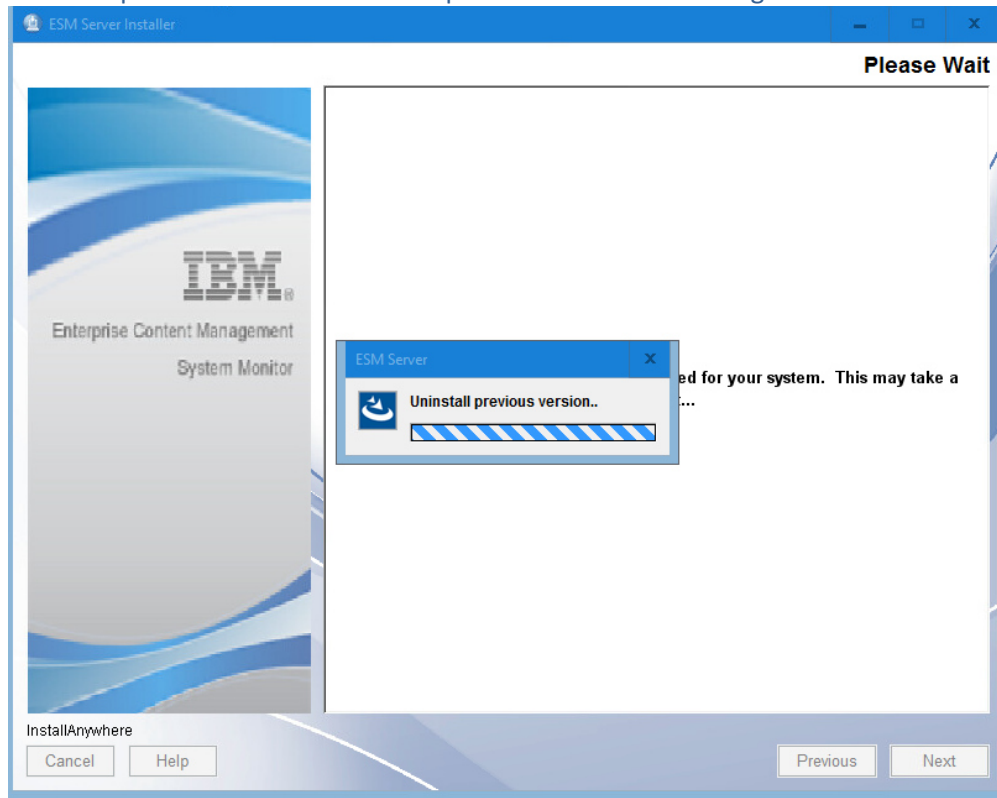
Take over start up settings – continue with **Next**



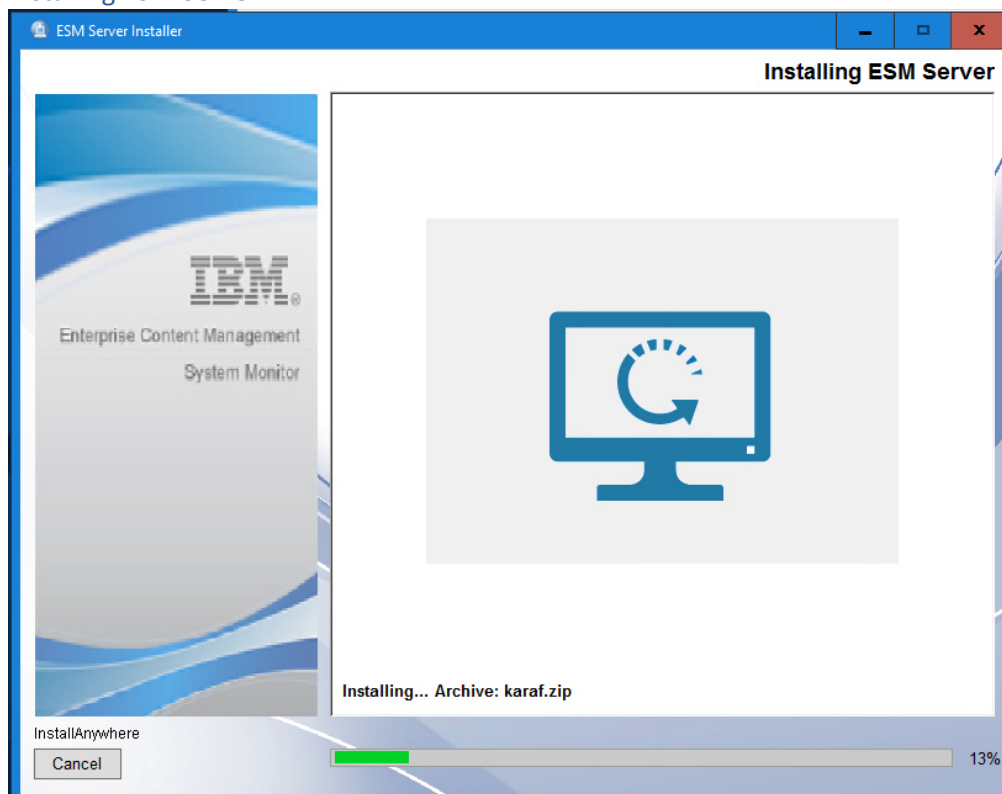
ESM Server Installer – Installation Summary – click on **Install** to continue



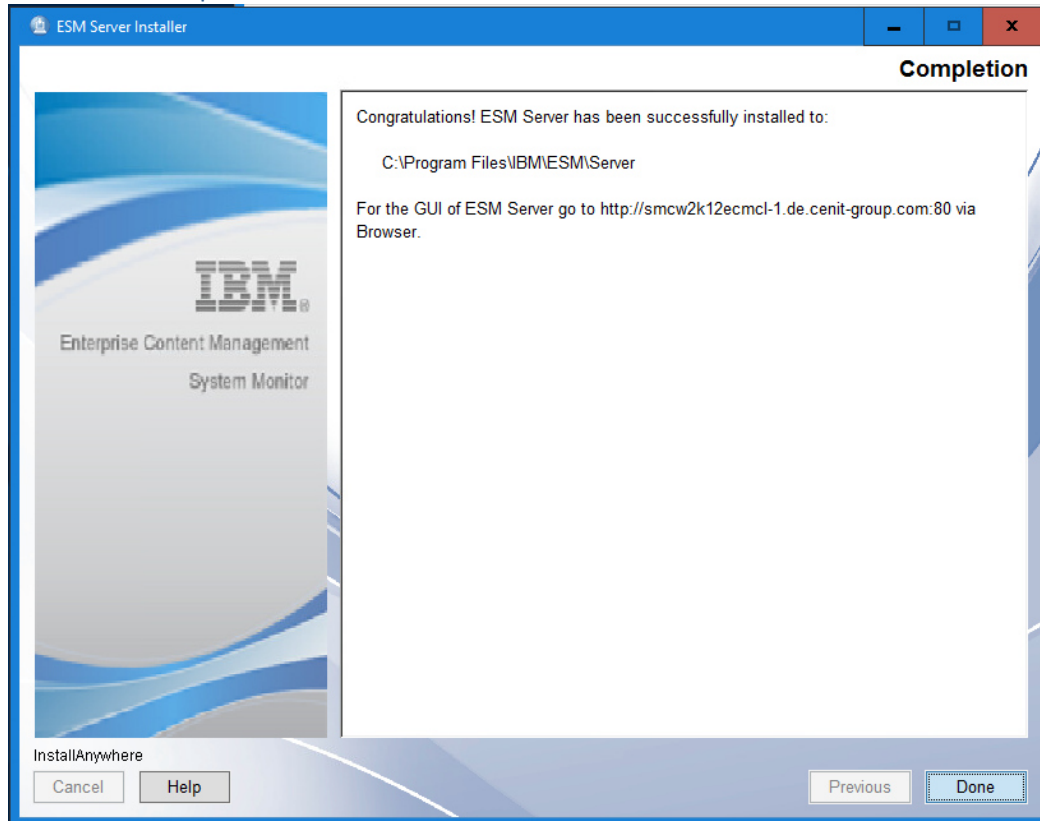
Uninstall previous version and backups environment and configuration files



Installing ESM Server



Installation completed – click on **Done**



Delete or rename the installer.properties file in the folder where you executed the ESM installer binary.

UNIX Server

Execute ESM Server 5.5.5.1.0 Installer binary

```
drwxr-xr-x 1 root root      114 Nov  9 19:47 .
drwxr-xr-x 1 root root       76 Nov  9 18:56 ..
-rw----- 1 root root       60 Nov  9 18:58 .directory
-rwxr-xr-x 1 root root 275125725 Nov  8 18:01 ESM_Agent_Installer.bin
-rwxr-xr-x 1 root root 284435142 Nov  8 17:58 ESM_Server_Installer.bin
suse15:~/Downloads/ESM/5.5.7-GA # ./ESM_Server_Installer.bin
```

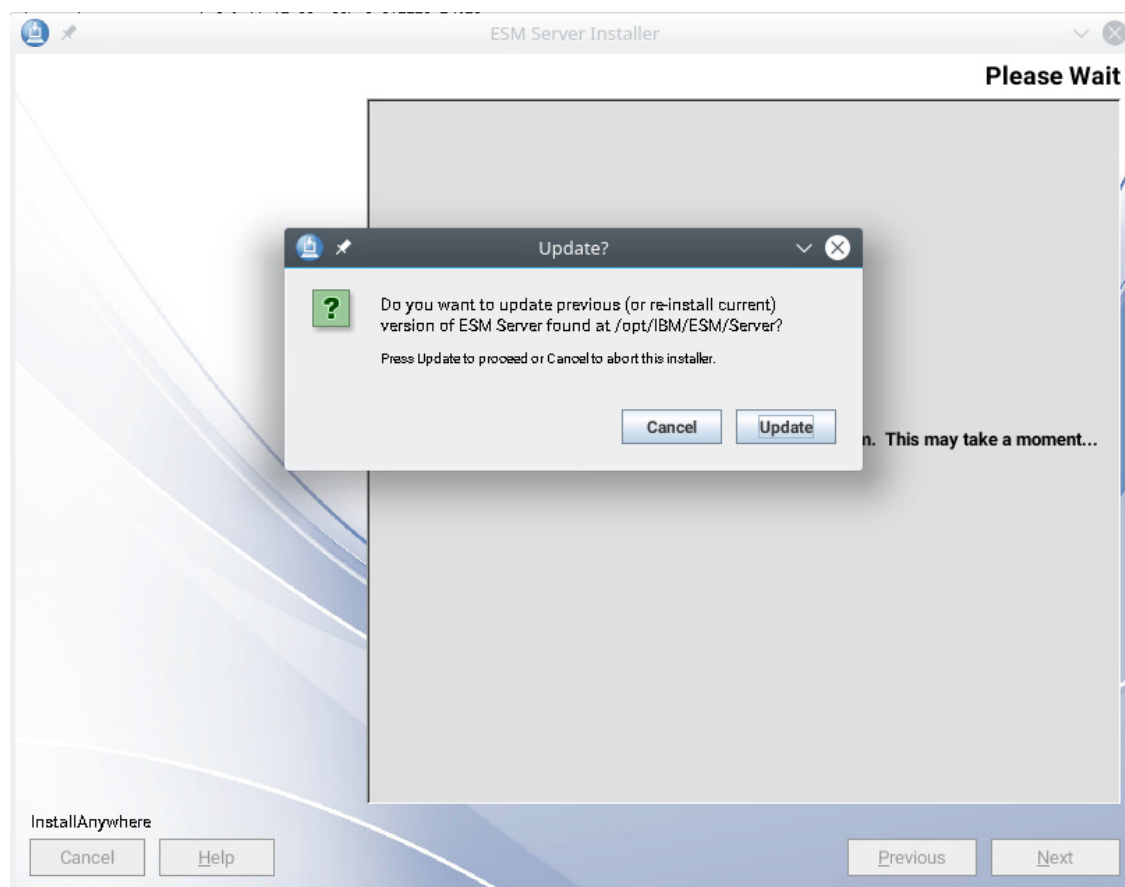
5.5.7-GA : bash

```
suse15:~/Downloads/ESM/5.5.7-GA # ./ESM_Server_Installer.bin
Preparing to install
Extracting the JRE from the installer archive...
```

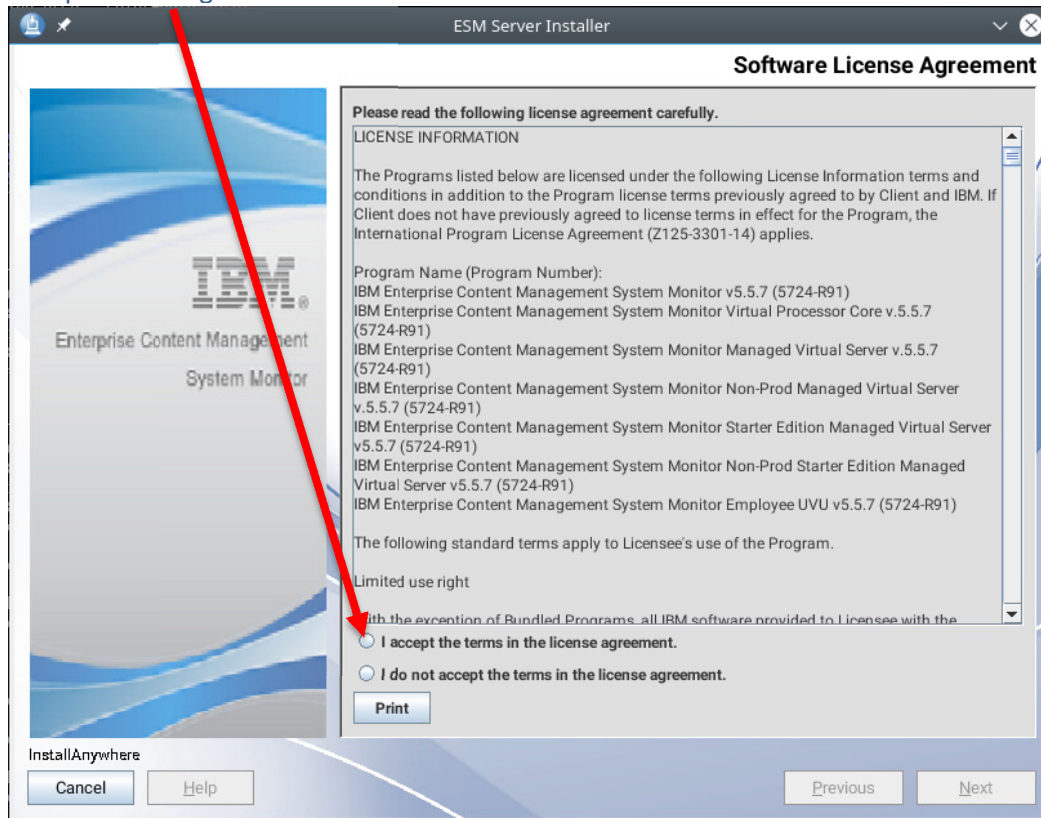
5.5.7-GA : ESM_Server_Inst



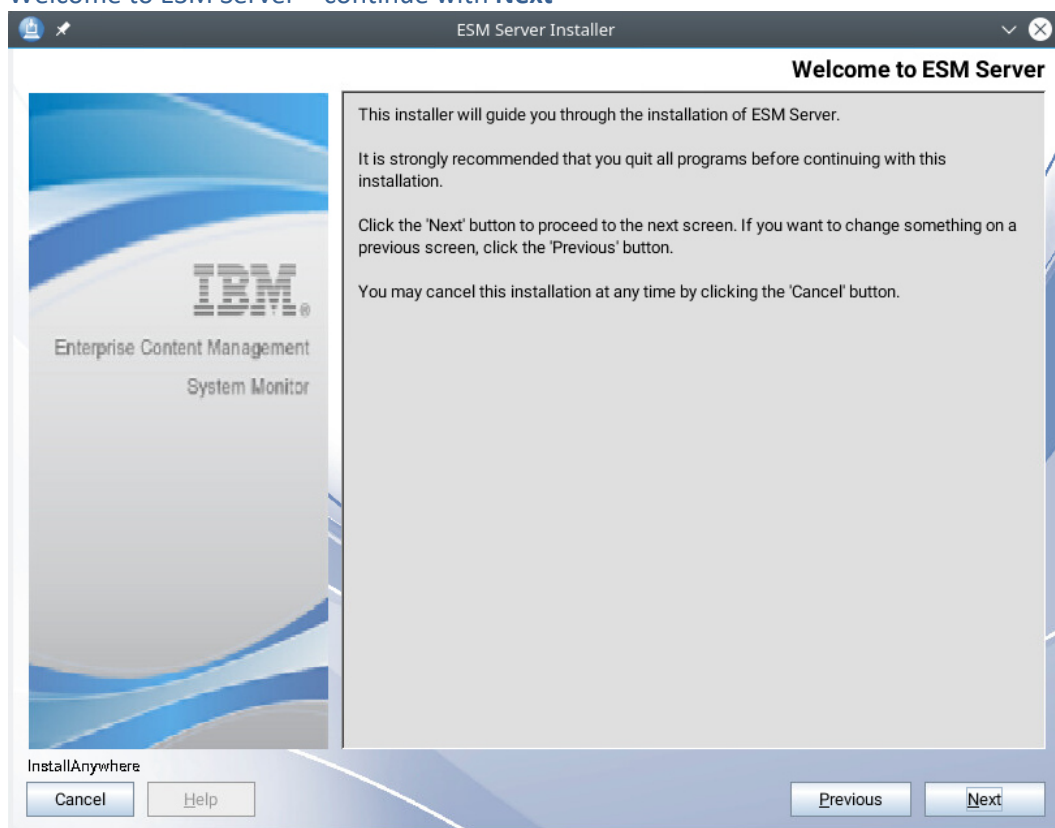
Click on **Update** to continue



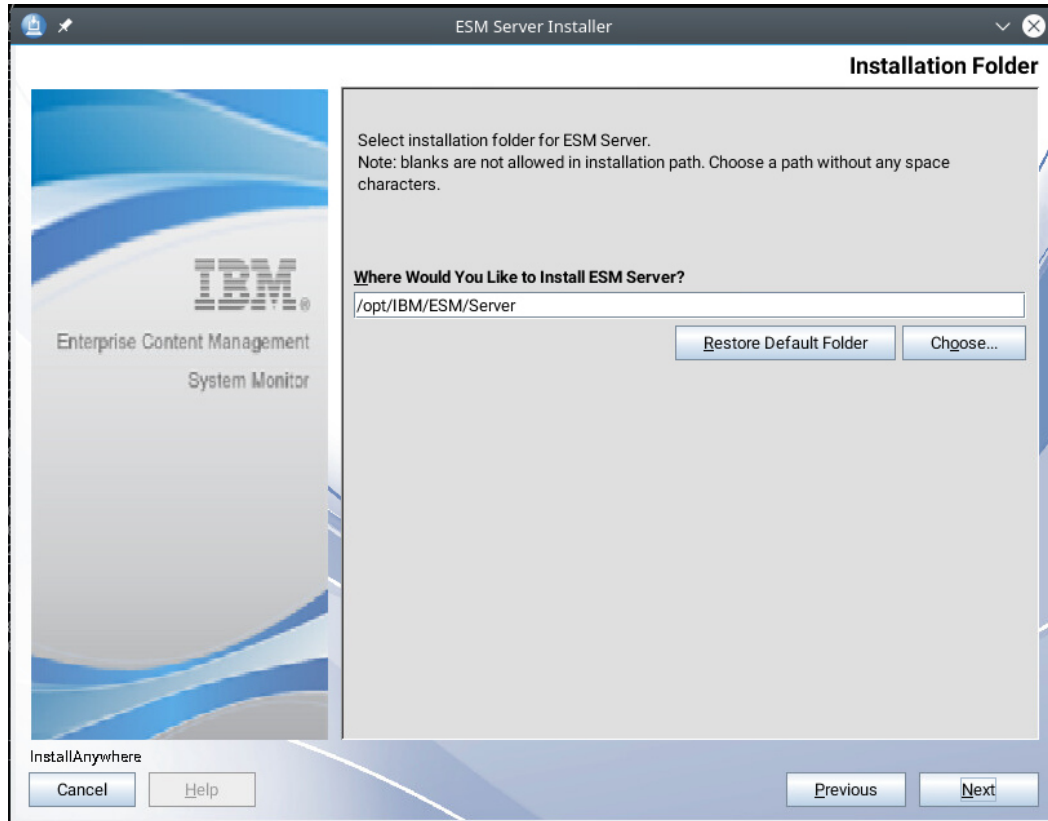
Accept license agreement – continue with **Next**



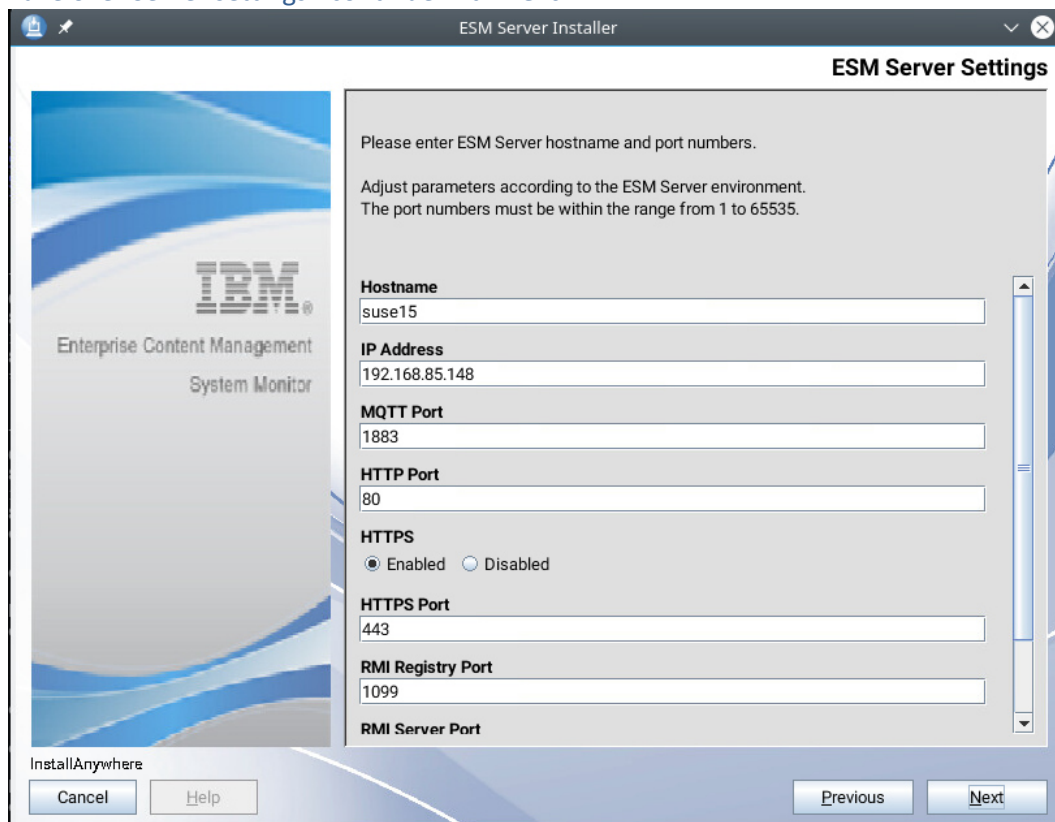
Welcome to ESM Server – continue with **Next**



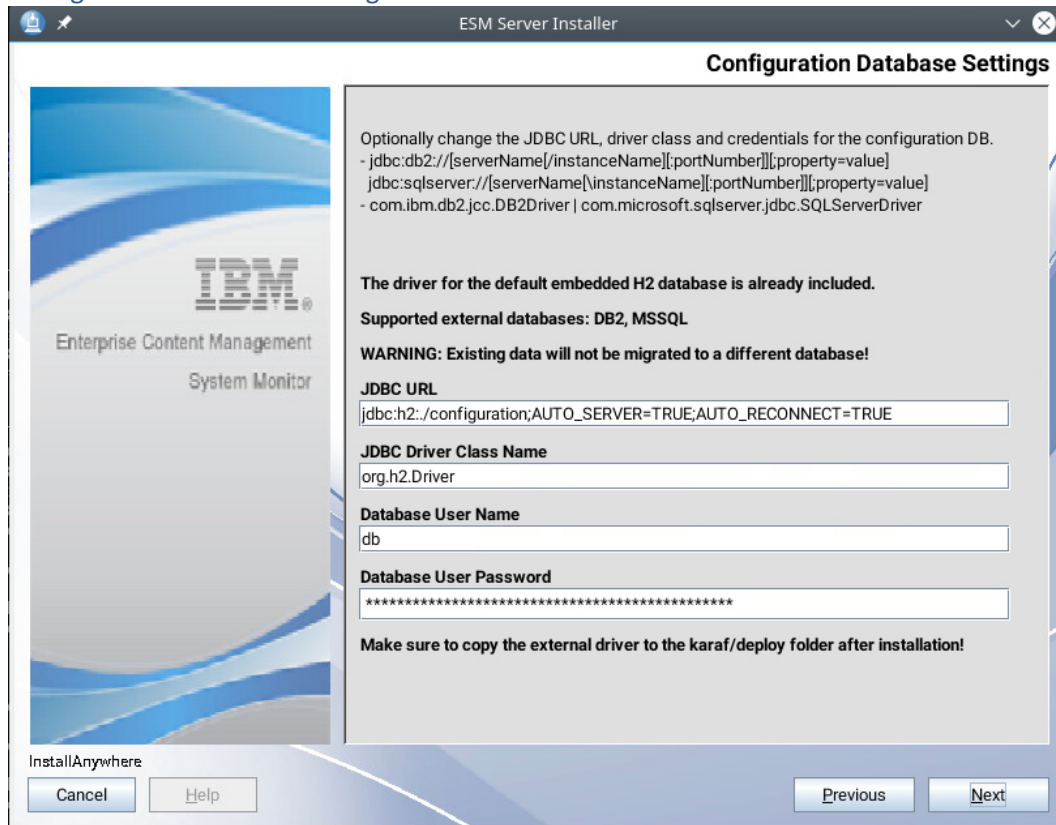
Take over installation folder - continue with **Next**



Take over Server settings - continue with **Next**



Configuration Database Settings



The screenshot shows the 'Configuration Database Settings' window of the ESM Server Installer. The window has a title bar with 'ESM Server Installer' and standard window controls. On the left is a sidebar with the IBM logo and 'Enterprise Content Management System Monitor'. The main area contains instructions for changing the JDBC URL, driver class, and credentials. It lists supported external databases (DB2, MSSQL) and includes a warning about data migration. There are input fields for 'JDBC URL' (pre-filled with 'jdbc:h2:./configuration;AUTO_SERVER=TRUE;AUTO_RECONNECT=TRUE'), 'JDBC Driver Class Name' (pre-filled with 'org.h2.Driver'), 'Database User Name' (pre-filled with 'db'), and 'Database User Password' (masked with asterisks). At the bottom, there are 'Cancel', 'Help', 'Previous', and 'Next' buttons.

Configuration Database Settings

Optionally change the JDBC URL, driver class and credentials for the configuration DB.

- jdbc:db2://[serverName[/instanceName]][:portNumber][;property=value]
- jdbc:sqlserver://[serverName[/instanceName]][:portNumber][;property=value]
- com.ibm.db2.jcc.DB2Driver | com.microsoft.sqlserver.jdbc.SQLServerDriver

The driver for the default embedded H2 database is already included.

Supported external databases: DB2, MSSQL

WARNING: Existing data will not be migrated to a different database!

JDBC URL
jdbc:h2:./configuration;AUTO_SERVER=TRUE;AUTO_RECONNECT=TRUE

JDBC Driver Class Name
org.h2.Driver

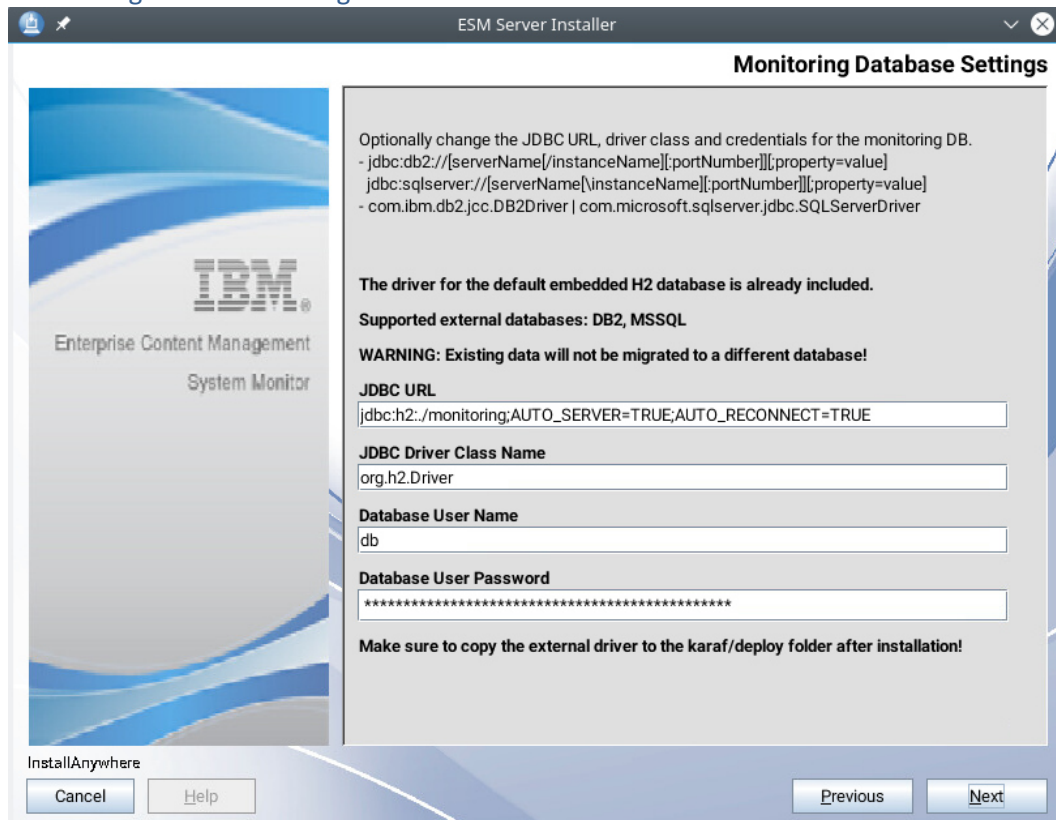
Database User Name
db

Database User Password

Make sure to copy the external driver to the karaf/deploy folder after installation!

InstallAnywhere
Cancel Help Previous Next

Monitoring Database Settings



The screenshot shows the 'Monitoring Database Settings' window of the ESM Server Installer. The layout is identical to the Configuration Database Settings window, but the 'JDBC URL' is pre-filled with 'jdbc:h2:./monitoring;AUTO_SERVER=TRUE;AUTO_RECONNECT=TRUE'. The sidebar and bottom buttons are the same.

Monitoring Database Settings

Optionally change the JDBC URL, driver class and credentials for the monitoring DB.

- jdbc:db2://[serverName[/instanceName]][:portNumber][;property=value]
- jdbc:sqlserver://[serverName[/instanceName]][:portNumber][;property=value]
- com.ibm.db2.jcc.DB2Driver | com.microsoft.sqlserver.jdbc.SQLServerDriver

The driver for the default embedded H2 database is already included.

Supported external databases: DB2, MSSQL

WARNING: Existing data will not be migrated to a different database!

JDBC URL
jdbc:h2:./monitoring;AUTO_SERVER=TRUE;AUTO_RECONNECT=TRUE

JDBC Driver Class Name
org.h2.Driver

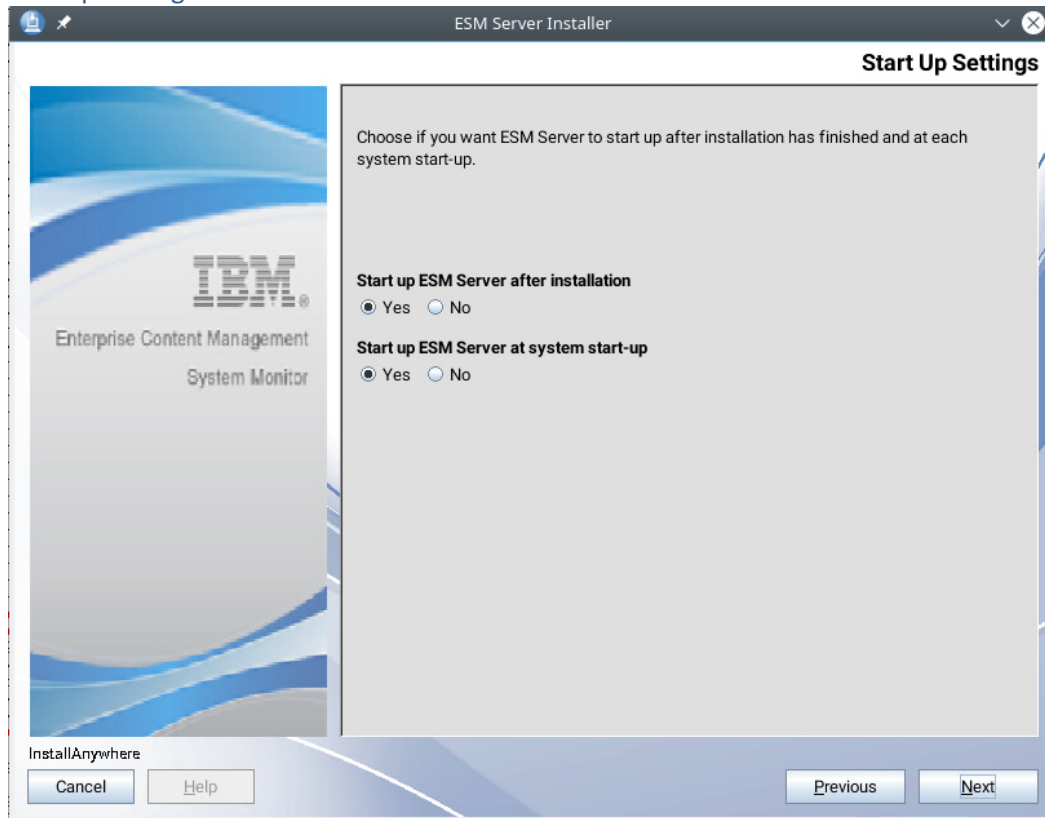
Database User Name
db

Database User Password

Make sure to copy the external driver to the karaf/deploy folder after installation!

InstallAnywhere
Cancel Help Previous Next

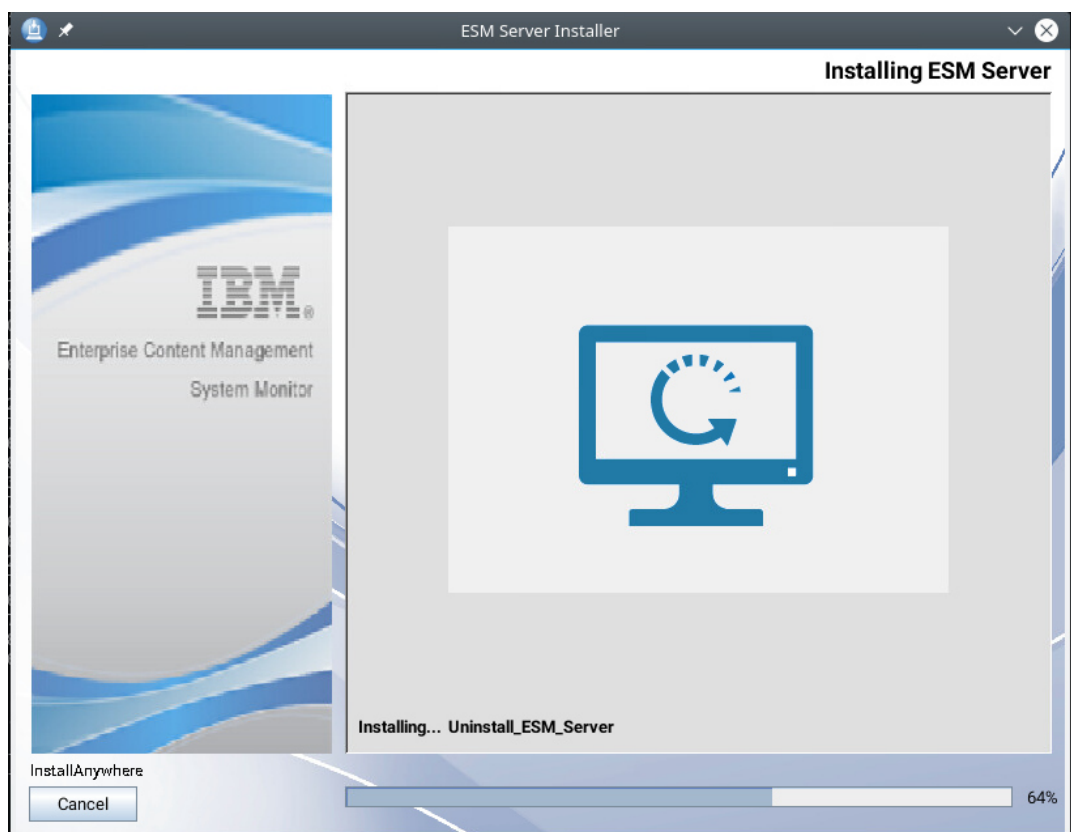
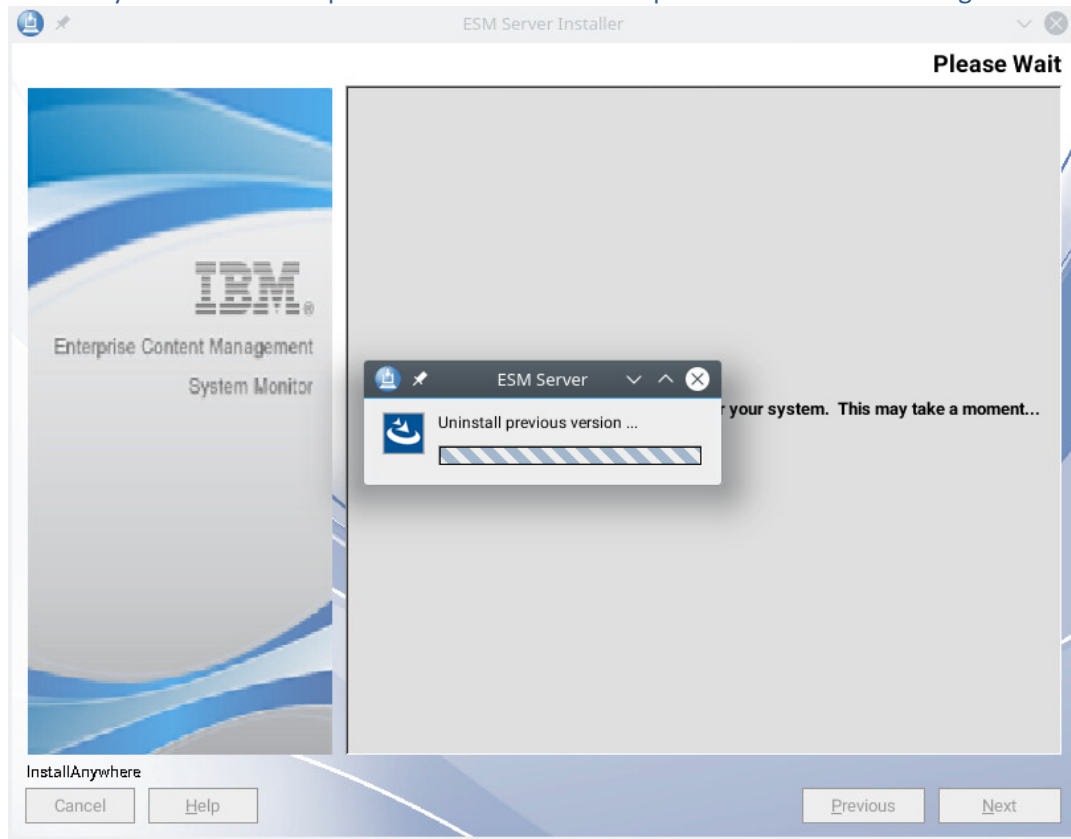
Startup settings - continue with **Next**



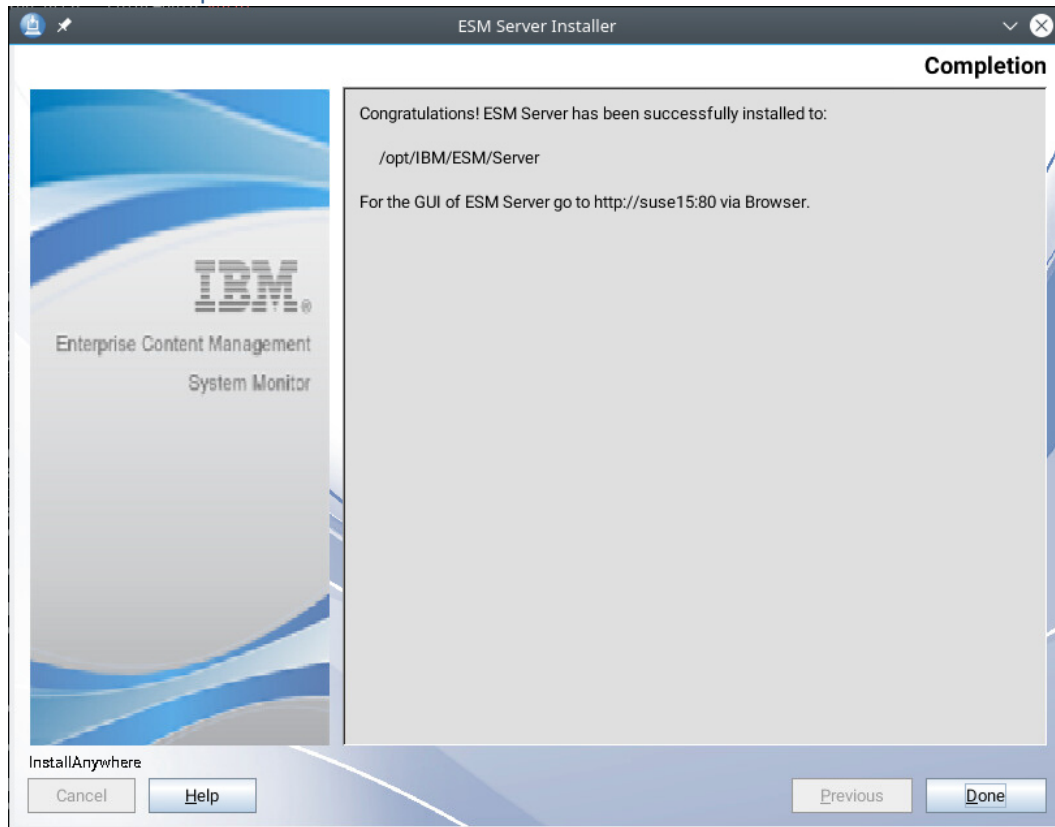
Installer Summary – click on **Install** to continue



InstallAnywhere uninstalls previous version and backups environment and configuration files



Installation completed – click on **Done** to finish

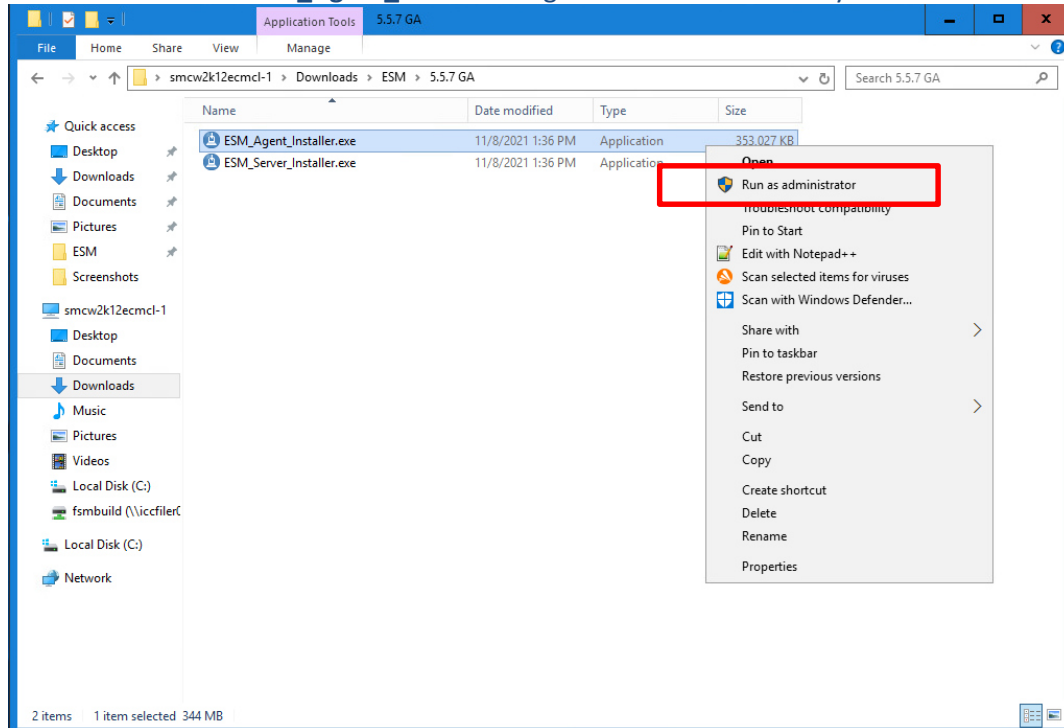


Delete or rename the installer.properties file in the folder where you executed the ESM installer binary.

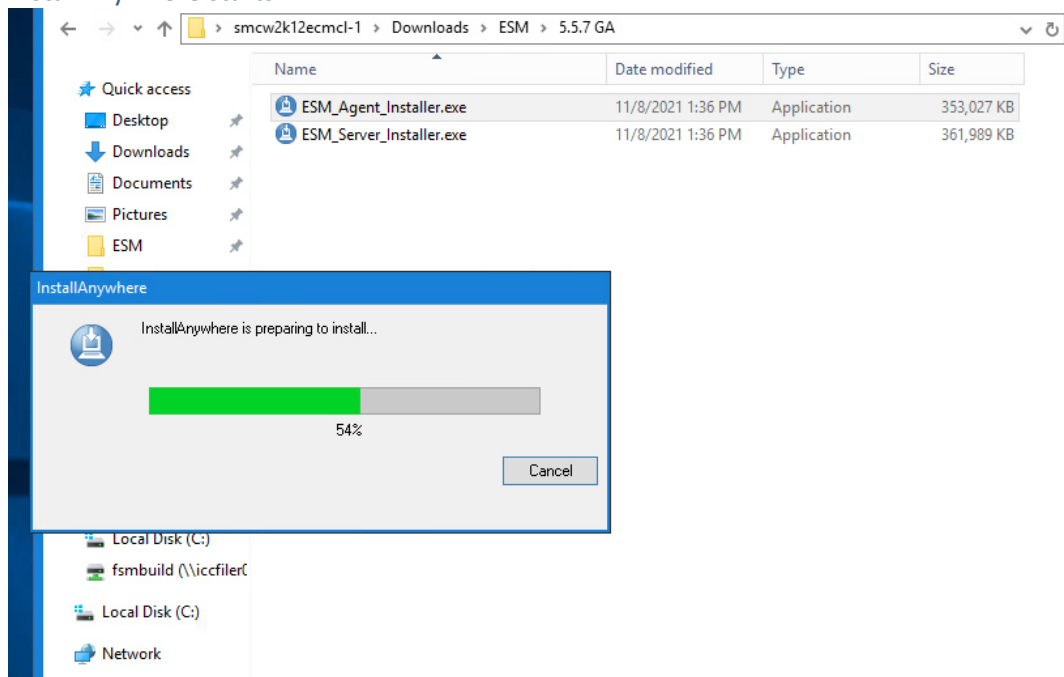
Update 5.5.5.0.003 Agent to Version 5.5.7.0.000

Windows Agent

Start the Windows **ESM_Agent_Installer** – right mouse click on binary – **Run as Administrator**

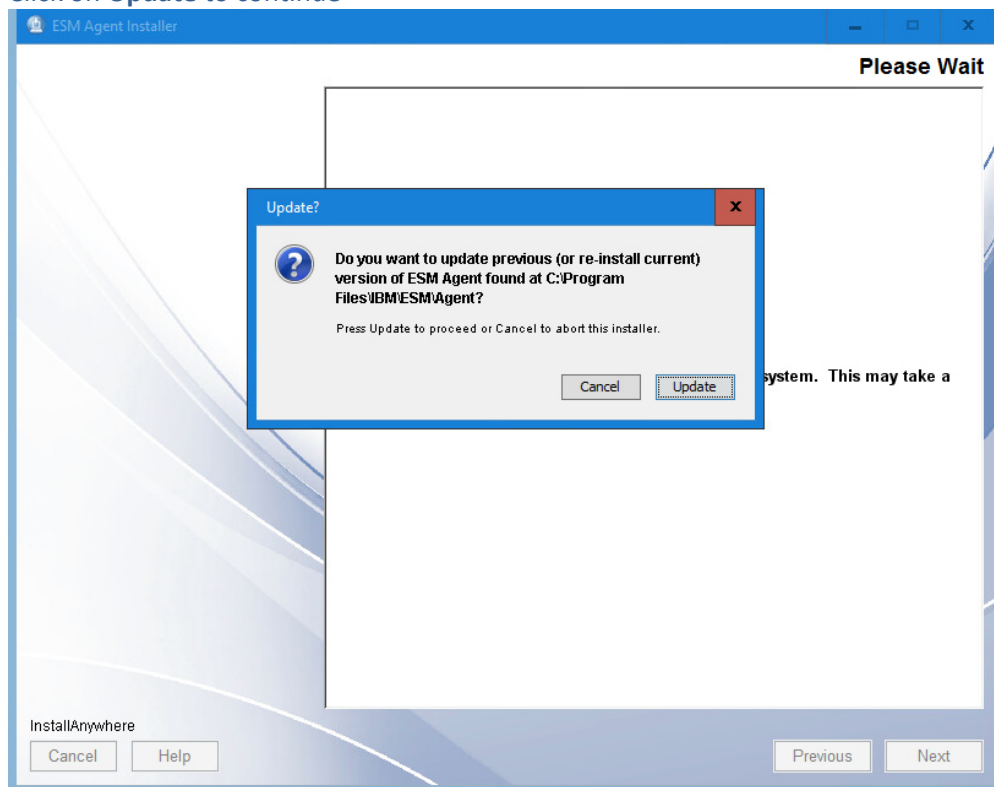


InstallAnywhere starts

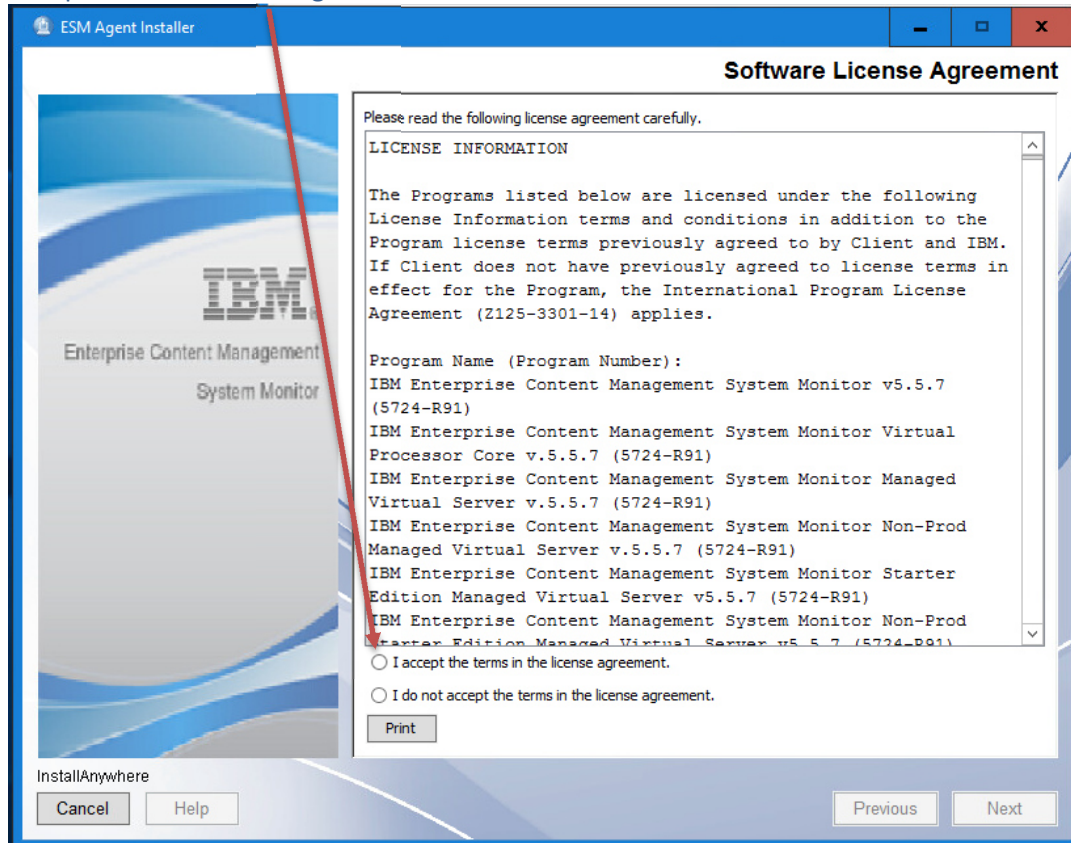




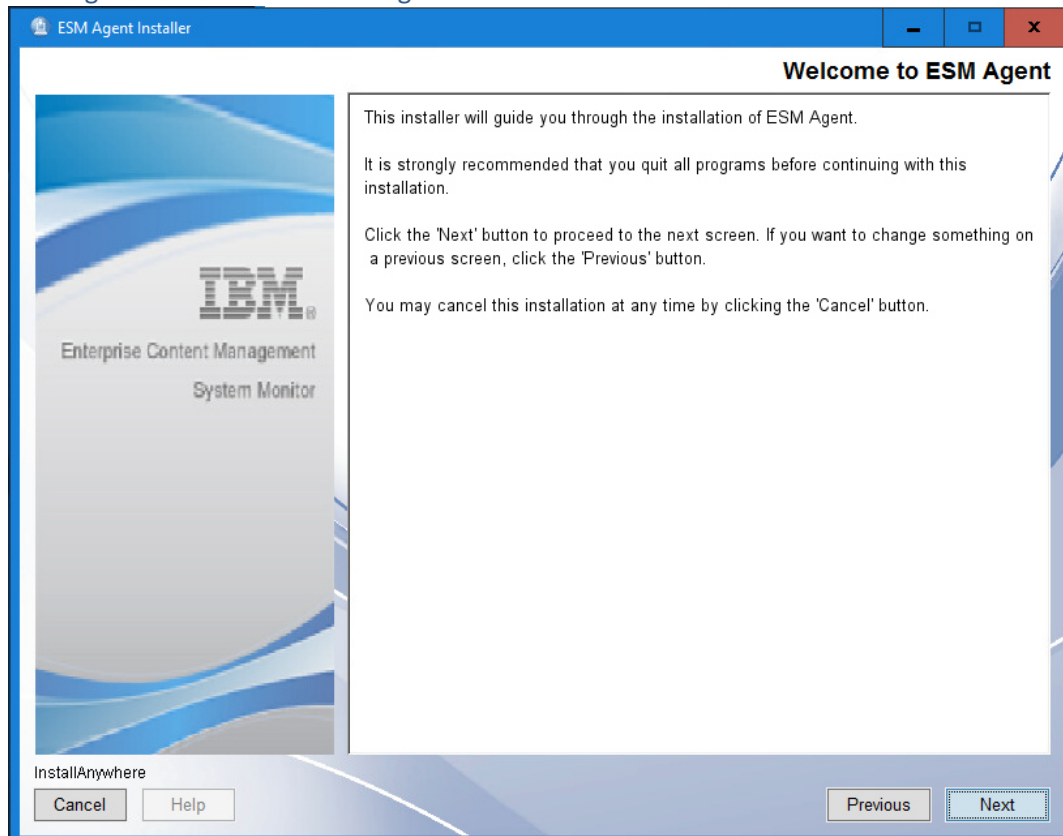
Click on **Update** to continue



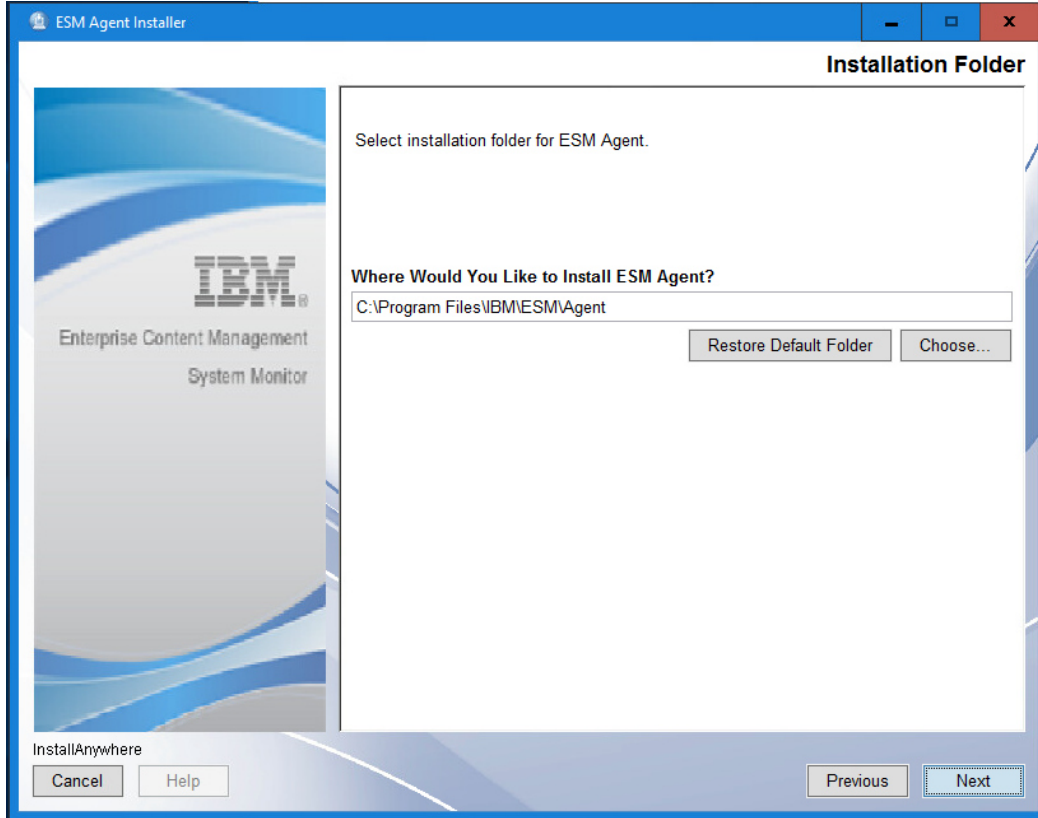
Accept software license agreement - continue with **Next**



ESM Agent Installer Welcome Page - continue with **Next**




Take over settings and continue with **Next**



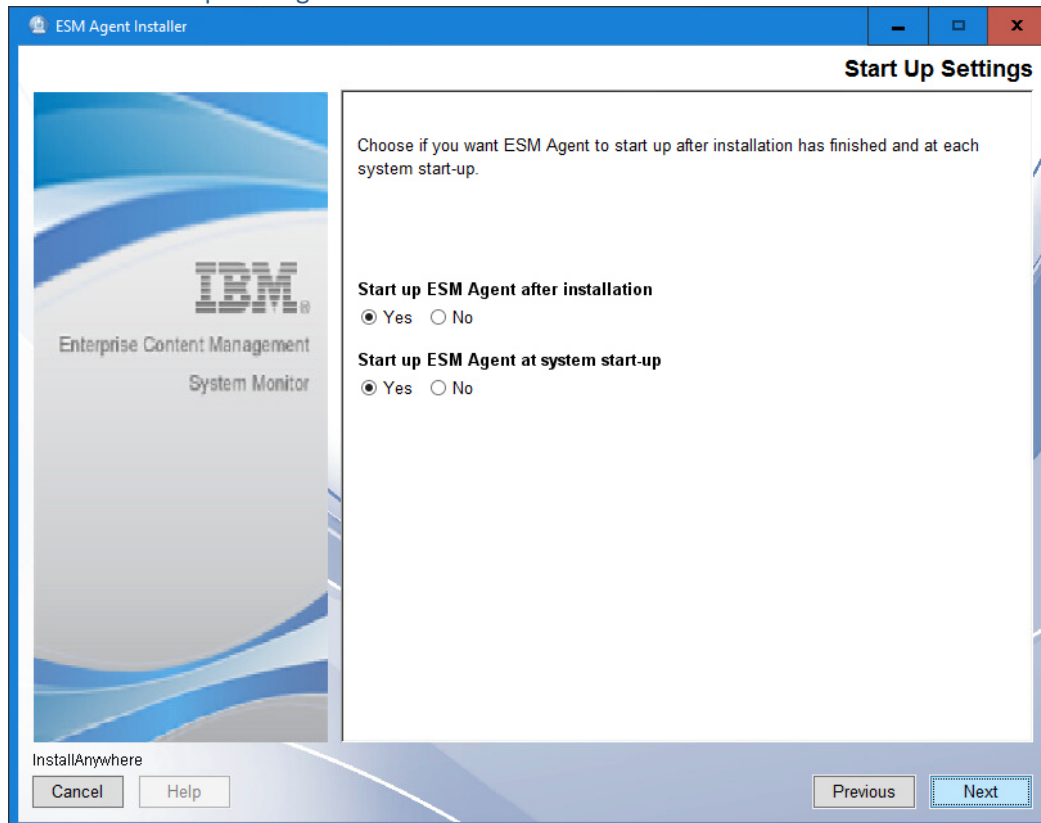
The screenshot shows the 'Installation Folder' screen of the ESM Agent Installer. On the left is a vertical banner with the IBM logo and the text 'Enterprise Content Management System Monitor'. The main area contains the instruction 'Select installation folder for ESM Agent.' followed by the question 'Where Would You Like to Install ESM Agent?'. Below this is a text box containing 'C:\Program Files\IBM\ESM\Agent'. To the right of the text box are two buttons: 'Restore Default Folder' and 'Choose...'. At the bottom left, there are 'Cancel' and 'Help' buttons. At the bottom right, there are 'Previous' and 'Next' buttons. The window title bar says 'ESM Agent Installer'.

ESM Agent Settings - Take over settings and continue with **Next**

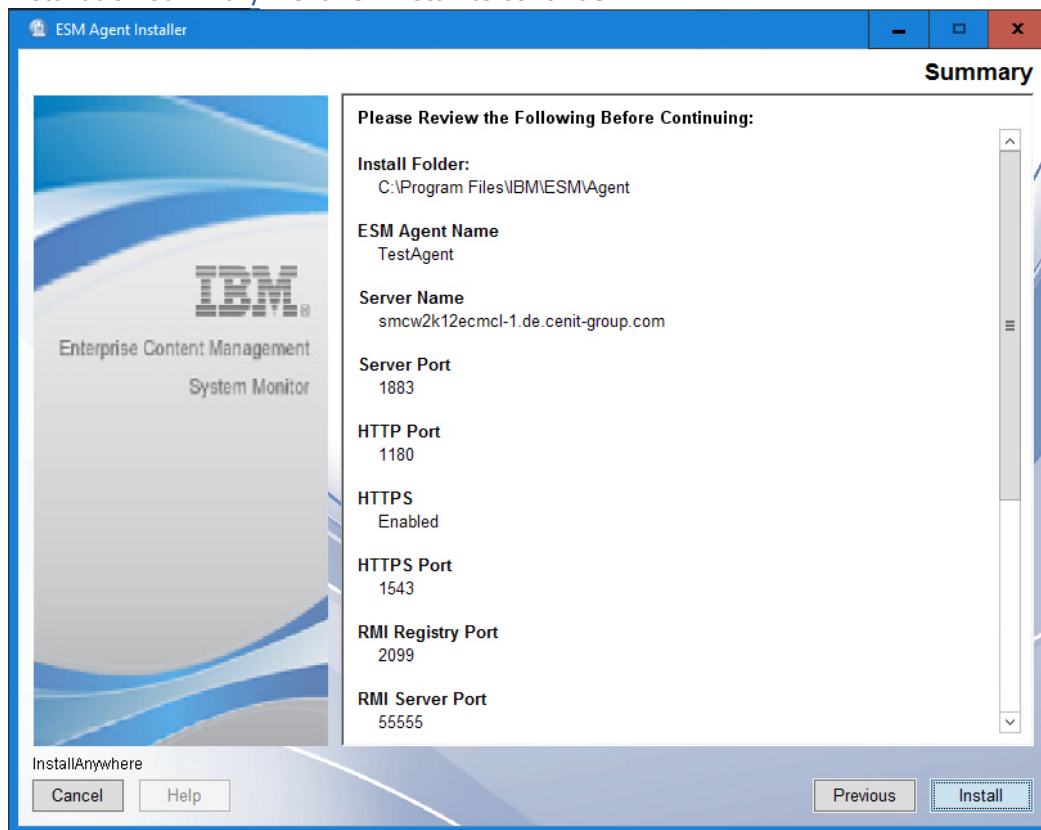


The screenshot shows the 'ESM Agent Settings' screen of the ESM Agent Installer. On the left is the same vertical banner as the previous screen. The main area contains instructions: 'Please enter the ESM Agent's unique name and port numbers and the connection data to the server.' and 'Adjust parameters according to the ESM Agent environment. The port numbers must be within the range from 1 to 65535.' Below these are several input fields: 'Unique Agent Name' (containing 'TestAgent'), 'ESM Server Name' (containing 'smcw2k12ecmcl-1.de.cenit-group.com'), 'ESM Server Port' (containing '1883'), 'HTTP Port' (containing '1180'), 'HTTPS' (with 'Enabled' selected), 'HTTPS Port' (containing '1543'), and 'RMI Registry Port' (containing '2099'). At the bottom left are 'Cancel' and 'Help' buttons. At the bottom right are 'Previous' and 'Next' buttons. The window title bar says 'ESM Agent Installer'.

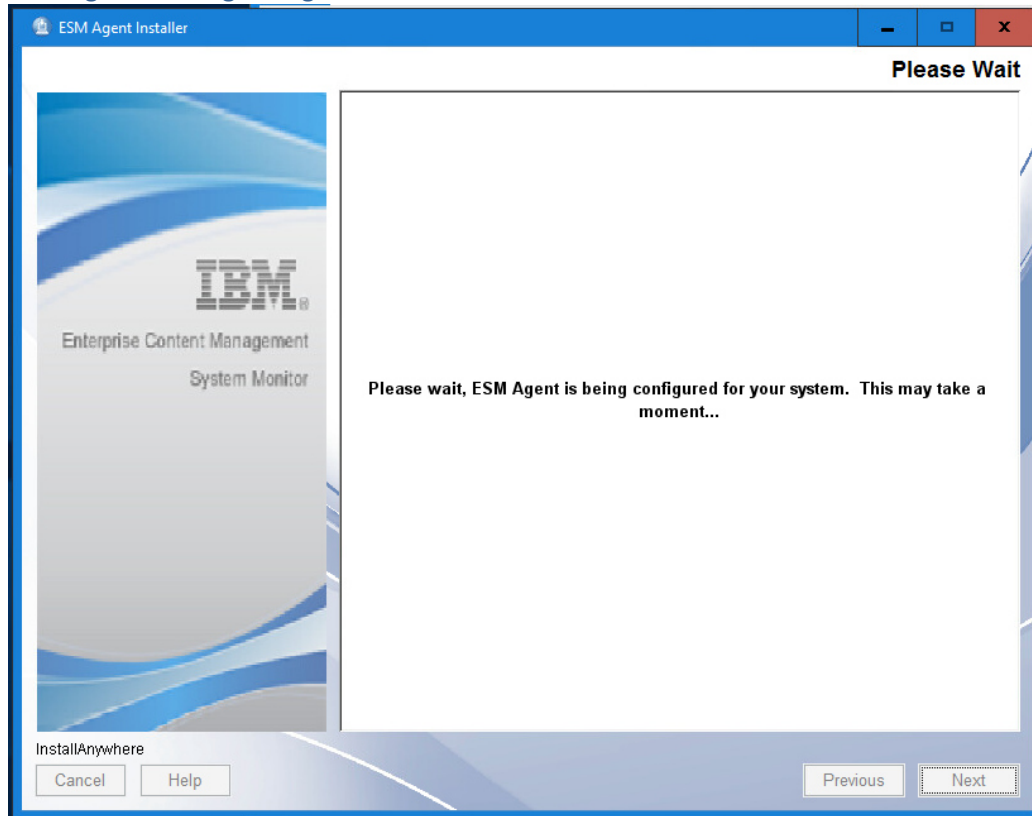
Take over Startup Settings - continue with **Next**



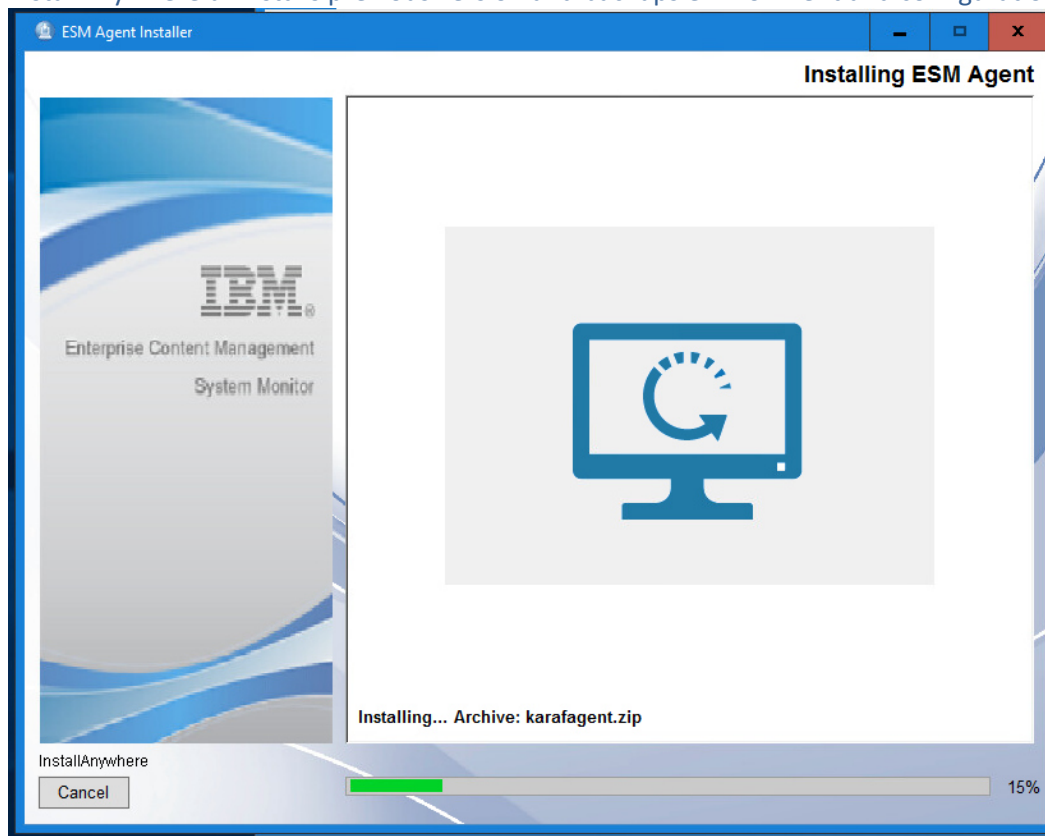
Installation Summary – Click on **Install** to continue



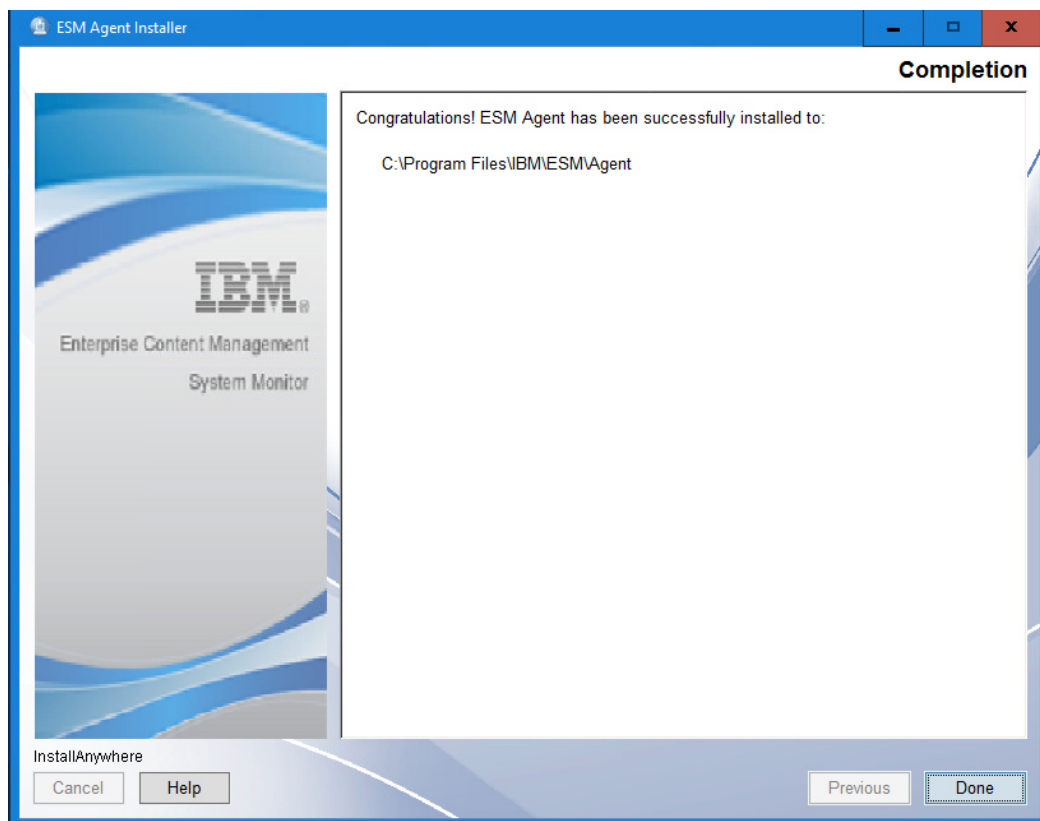
ESM Agent is being configured



InstallAnywhere uninstalls previous version and backups environment and configuration files



Installation completed – click on **Done** to finish



Delete or rename the installer.properties file in the folder where you started the ESM installer binary.

Open the ESM Server Console. Now the agent should appear in state [online] in the ESM Server Agent list. Sometimes the change from [offline] to [online] takes a couple of minutes.

UNIX Agent

The graphical mode for InstallAnywhere requires a working X11 environment, the update procedure differs only by the launch of the installer binary.

If execution rights got lost during copy to /root/Downloads dir change umask with chmod

Execute ESM_Agent_Installer.bin

```
drwxr-xr-x 1 root root 114 Nov 16 10:26 .
drwxr-xr-x 1 root root 76 Nov 9 18:56 ..
-rw----- 1 root root 60 Nov 9 18:58 .directory
-rwxr-xr-x 1 root root 275125725 Nov 8 18:01 ESM_Agent_Installer.bin
-rwxr-xr-x 1 root root 284435142 Nov 8 17:58 ESM_Server_Installer.bin
suse15:~/Downloads/ESM/5.5.7-GA # ./ESM_Agent_Installer.bin
```

> 5.5.7-GA : bash

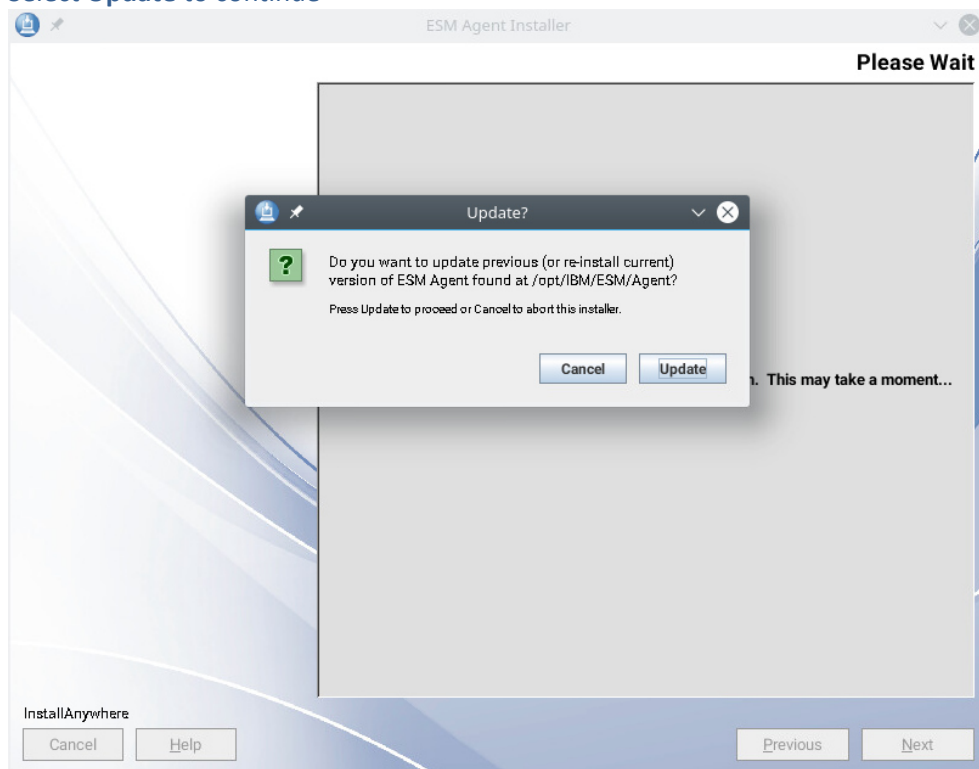
```
suse15:~/Downloads/ESM/5.5.7-GA # ./ESM_Agent_Installer.bin
Preparing to install
Extracting the JRE from the installer archive...
█
```

> 5.5.7-GA : ESM_Agent_Insta

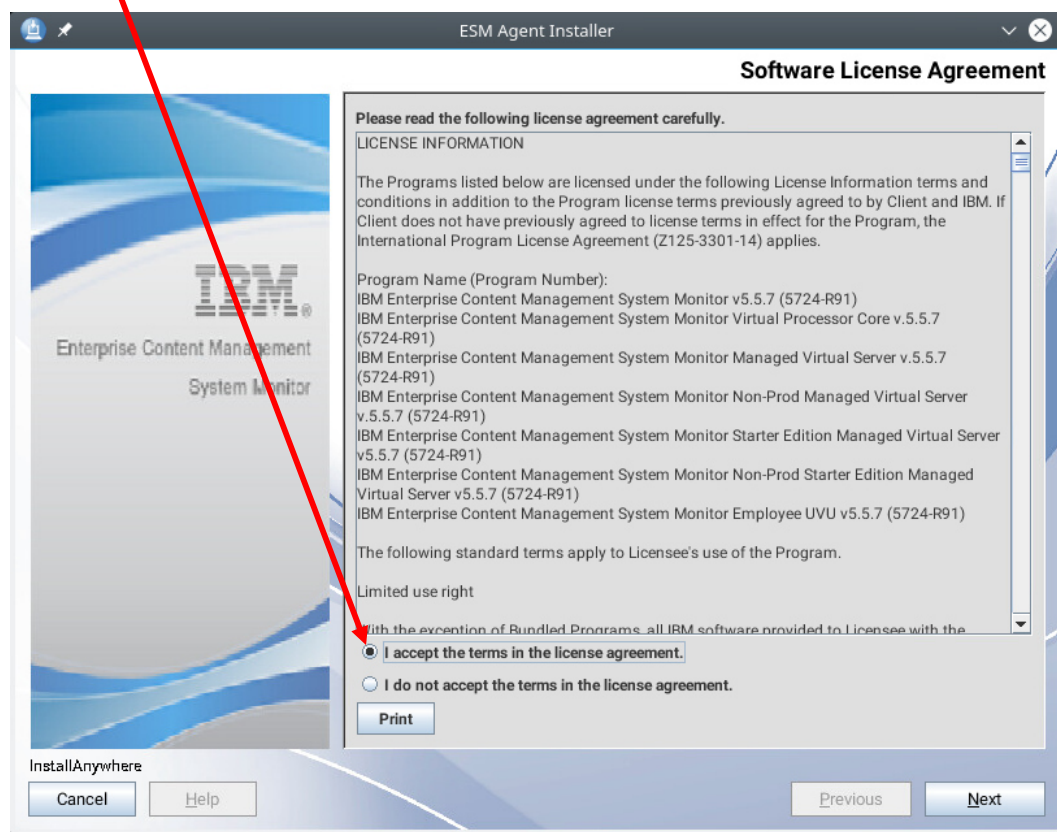
ESM Agent Installer



Select **Update** to continue



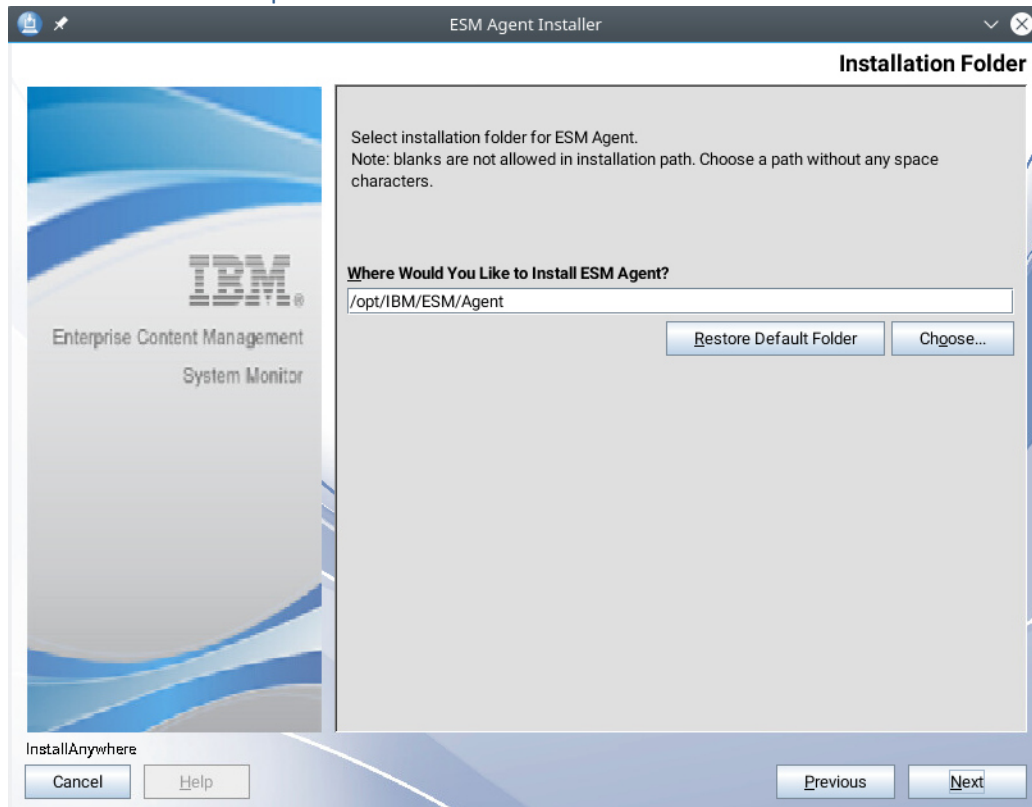
Mark – I accept the terms in the license agreement – to continue click on **Next**



Welcome to ESM Agent - continue with **Next**



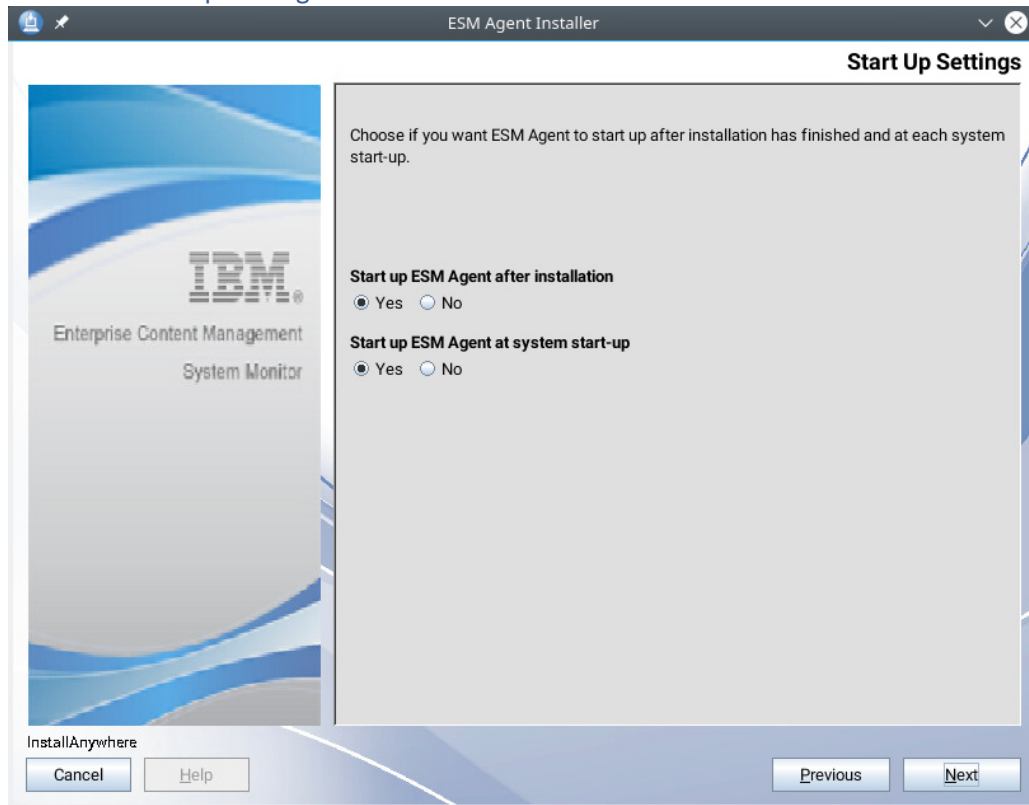
Take over installation path - continue with **Next**



Take over ESM Agent Settings - continue with **Next**



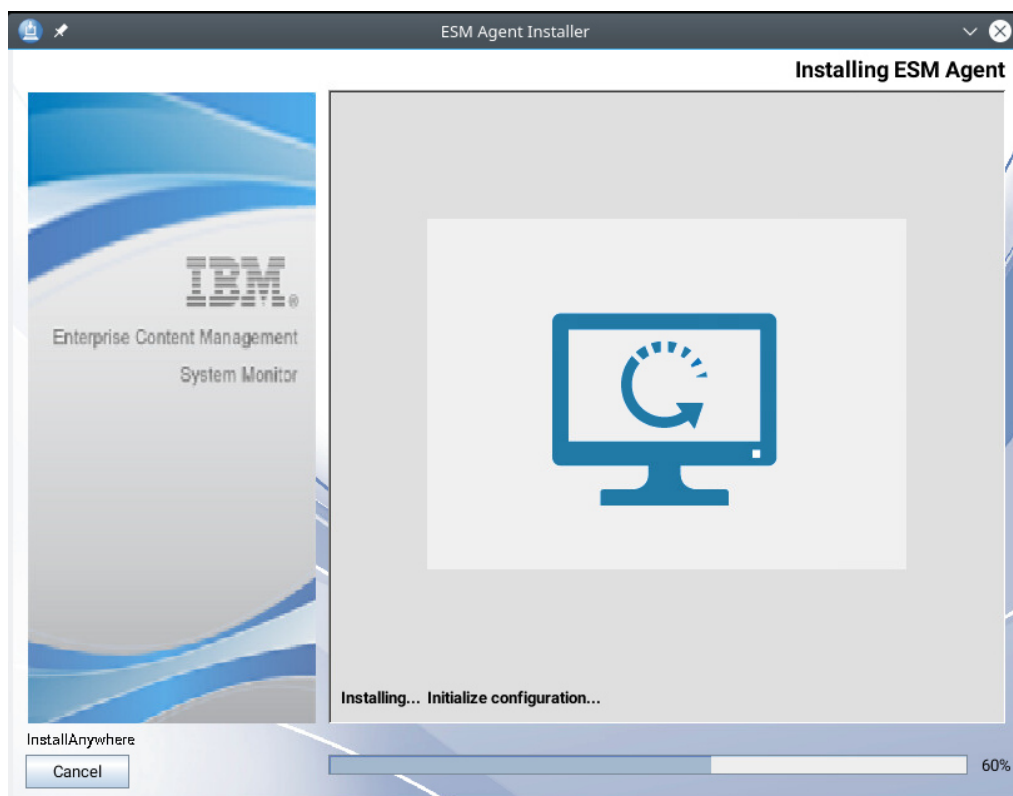
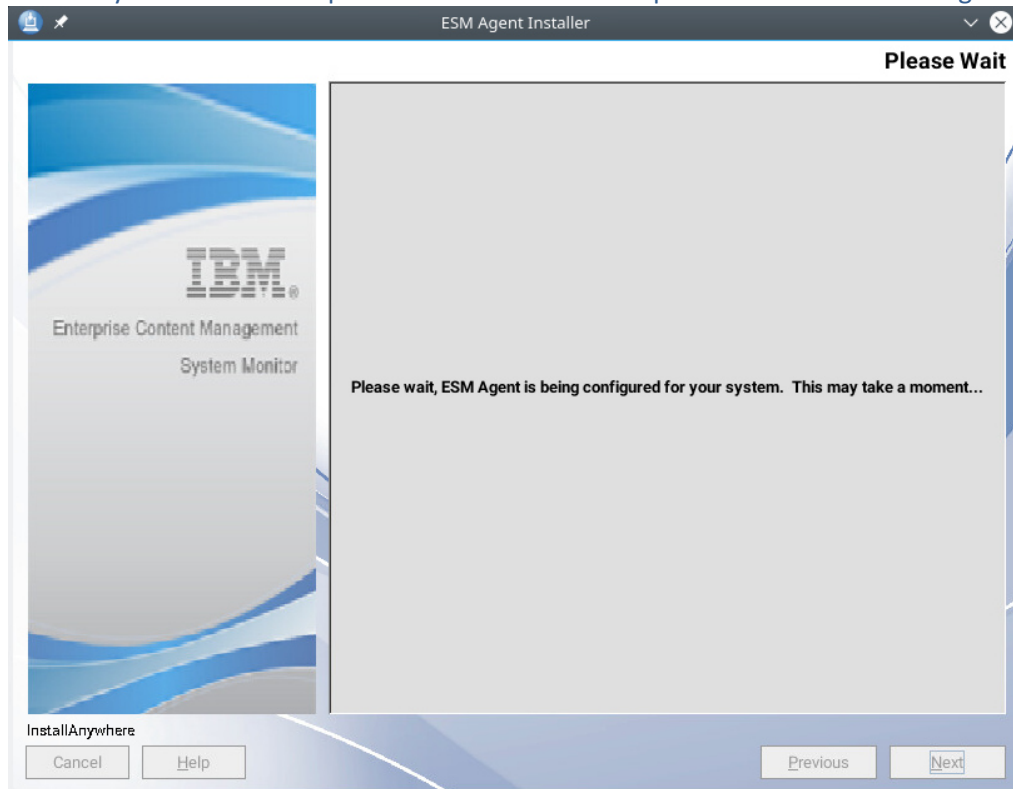
Take over Startup Settings – click on **Next** to continue



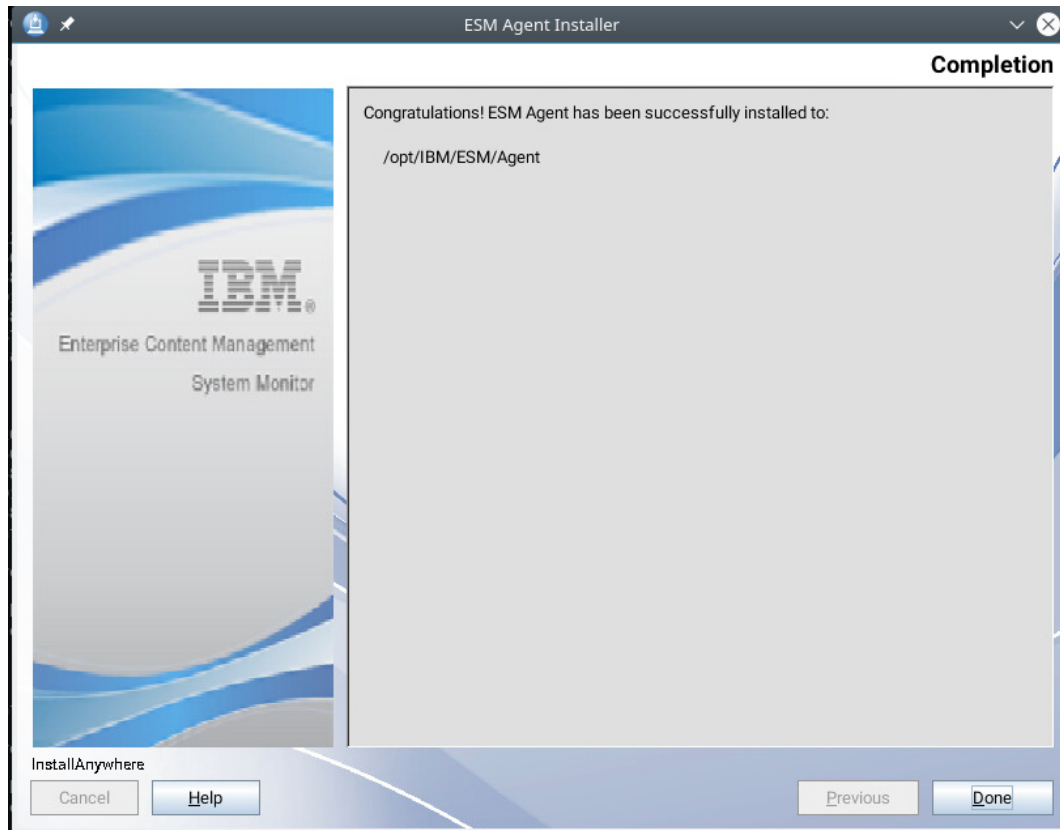
ESM Agent Installer Summary – click on **Install** to continue



InstallAnywhere uninstalls previous version and backups environment and configuration files



Click on **Done** to finish



Delete or rename the installer.properties file in the folder where you executed the ESM installer binary.

Open the ESM Server Console. Now the agent should appear in state [online] in the ESM Server Agent list. Sometimes the change from [offline] to [online] takes a couple of minutes.

Contact Information

If you have any questions please contact us at ECM.SystemMonitor@cenit.com

CENIT AG

Phone: +49 711 7825 30

Email: ECM.SystemMonitor@cenit.com