

WebGUI 8.1.0.19

Step by step Installation Guide

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Installation Manager 1.8.9

Download link:

<https://www-945.ibm.com/support/fixcentral/swg/selectFixes?parent=ibm%7ERational&product=ibm/Rational/IBM+Installation+Manager&release=1.8.9.0&platform=Linux&function=all&useReleaseAsTarget=true>

refresh pack: → [1.8.9.0-IBMIM-LINUX-X86-20180313_1417](#)

2018/03/23

IBM Installation Manager Install Kit for all x86 Linux versions supported by version 1.8.9.0

Installation Procedure:

- extract IM 1.8.9 package and go to the extracted directory

```
[root@withall ~]# cd /tmpIM
[root@withall tmpIM]# ls
con-disk-set-inst.sh  installc.ini      repository.config
configuration         install.ini       repository.xml
documentation        install.xml       silent-install.ini
groupinst            jre_7.0.100020.20180227_1440  tools
groupinstc           license          userinst
groupinstc.ini       native          userinstc
groupinst.ini        Offerings       userinstc.ini
install              plugins         userinst.ini
installc             readme.html     user-silent-install.ini
```

Default install path for the product: **/opt/IBM/InstallationManager/eclipse**

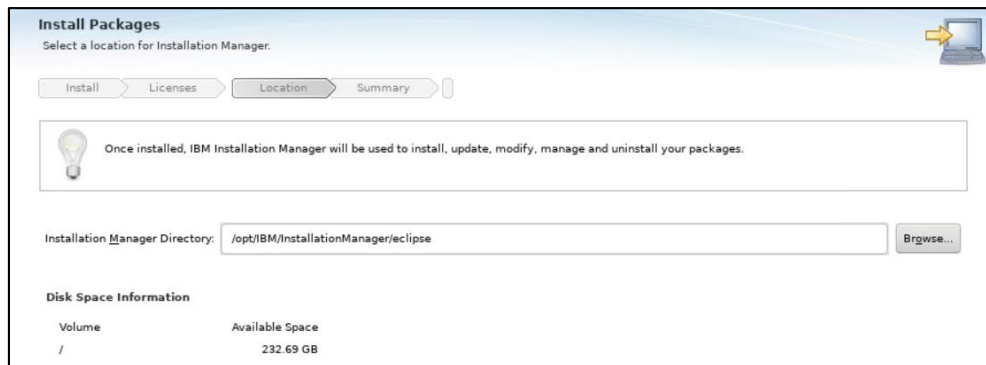
Option A. If the installation will be performed as **user root**, just run the following command:

- (1) For GUI mode: **./install**

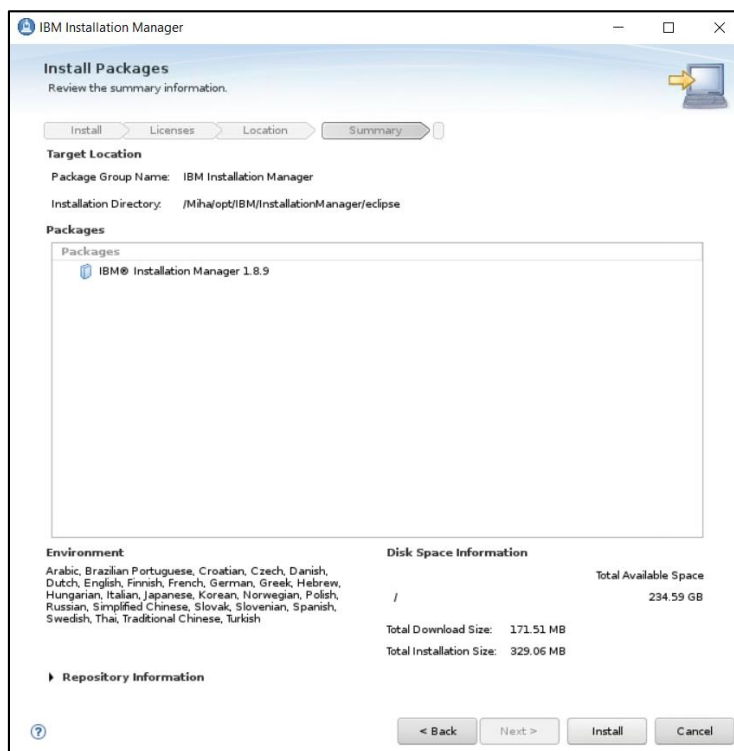
- select IBM Installation Manager Version 1.8.9 for this to be installed

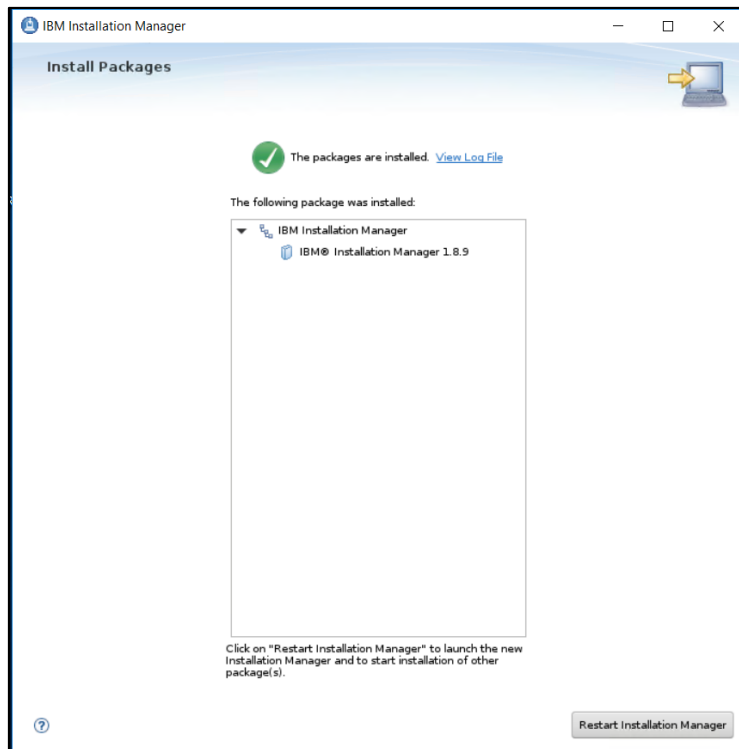


- select the directory where you want to install Installation Manager, by default this is: /opt/IBM/InstallationManager/eclipse



- continue with the installation by selecting “next” and “install”. Make sure everything worked fine, you should get “the packages are installed” message at the end:





(2) For Console mode: **`./installc -acceptLicense`**

```
[root@withall1 tmpIM]# ./installc -acceptLicense
Installed com.ibm.cic.agent_1.8.9000.20180313_1417 to the /opt/IBM/InstallationM
anager/eclipse directory.
```

This will be default install IM in the default location.

Option B. If the installation will be performed as **non-root user**, just run the following command:

For GUI mode: **`./userinst`**

For Console mode: **`./userinstc -acceptLicense`**

Install WAS 8.5.5.17, JazzSM 1.1.3.7/DASH 3.1.3.7 and Java SDK 8.0.6.0

You can install all these WebGUI 8.1.0.19 prerequisites directly in the same time.

- **Prerequisites to download from Passport advantage and Fix Central:**

(1) WAS 8.5.5.9 base installation:

IBM WebSphere Application Server V8.5.5.9 for Jazz for Service Management for Linux Multilingual (CNC1ZML)

☐ IBM WebSphere Application Server V8.5.5.9 for Jazz for Service Management for Linux Multilingual (CNC1ZML) - View details	
Size	1,461MB
Date posted	15 Jun 2016

(2) WAS 8.5.5.17 Fix Pack:

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=ibm%2FWebSphere&product=ibm/WebSphere/WebSphere+Application+Server&release=All&platform=All&function=fixId&fixids=8.5.5-WS-WAS-FP017-part1,8.5.5-WS-WAS-FP017-part2,8.5.5-WS-WAS-FP017-part3&includeSupersedes=0&source=fc>

All 3 packages are required:

☒	1	fix pack: → 8.5.5-WS-WAS-FP017-part3 IBM WebSphere Application Server Version 8.5.5 Fix Pack 17 for distributed platforms More Information sha256sum	2020/03/09
☒	2	fix pack: → 8.5.5-WS-WAS-FP017-part2 IBM WebSphere Application Server Version 8.5.5 Fix Pack 17 for distributed platforms More Information sha256sum	2020/03/09
☒	3	fix pack: → 8.5.5-WS-WAS-FP017-part1 IBM WebSphere Application Server Version 8.5.5 Fix Pack 17 for distributed platforms More Information sha256sum	2020/03/09

(3) Jazz for Service management 1.1.3.7

Jazz for Service Management 1.1.3.7 for Linux ML (Launchpad, PRS, Jazz Repository, TDI) Multilingual (CC6QRML)

☐ Jazz for Service Management 1.1.3.7 for Linux ML (Launchpad, PRS, Jazz Repository, TDI) Multilingual (CC6QRML) - View details	
Size	1,349MB
Date posted	26 Jun 2020

This is an embedded package that contains both base and fix pack components.

(4) Java SDK 8.0.6.0

<https://www.ibm.com/support/fixcentral/swg/selectFixes?parent=ibm/WebSphere&product=ibm/WebSphere/WebSphere+Application+Server&release=All&platform=All&function=fixId&fixids=8.0.6.0-WS-IBMWASJAVA-part1,8.0.6.0-WS-IBMWASJAVA-part2&includeSupersedes=0&source=fc>

☒	1	fix pack: → 8.0.6.0-WS-IBMWASJAVA-part2 SDK Java(TM) Technology Edition Version 8.0.6.0 for WebSphere Application Server Version 8.5.5 Fix Pack 17	2020/03/09
		More Information sha256sum	
☒	2	fix pack: → 8.0.6.0-WS-IBMWASJAVA-part1 SDK Java(TM) Technology Edition Version 8.0.6.0 for WebSphere Application Server Version 8.5.5 Fix Pack 17	2020/03/09
		More Information sha256sum	

Both packages are required.

- **GUI Mode installation**

Notes:

The 3 packages downloaded for WAS 8.5.5 Fix Pack 17 must be extracted within the same directory path.

The 2 packages downloaded for Java SDK 8.0.6.0 must be extracted within the same directory path.

Add all the following repositories within Installation Manager -> Preferences section:

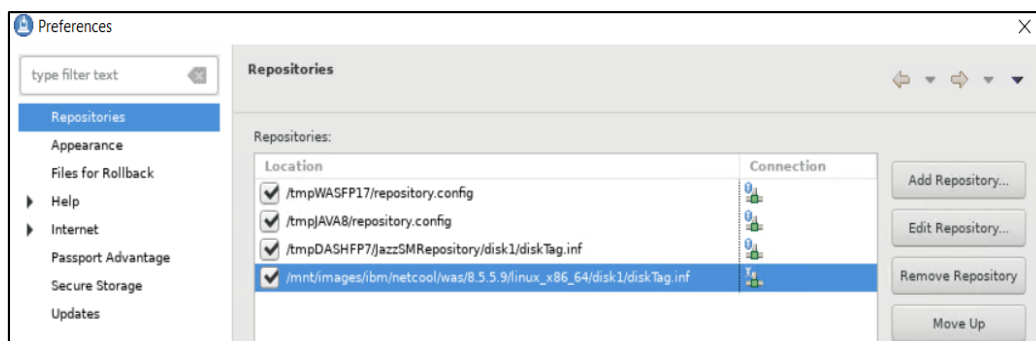
<extracted_path_8.5.5.9>/linux_x86_64/disk1/diskTag.inf

<extracted_path_8.5.5.17>/repository.config

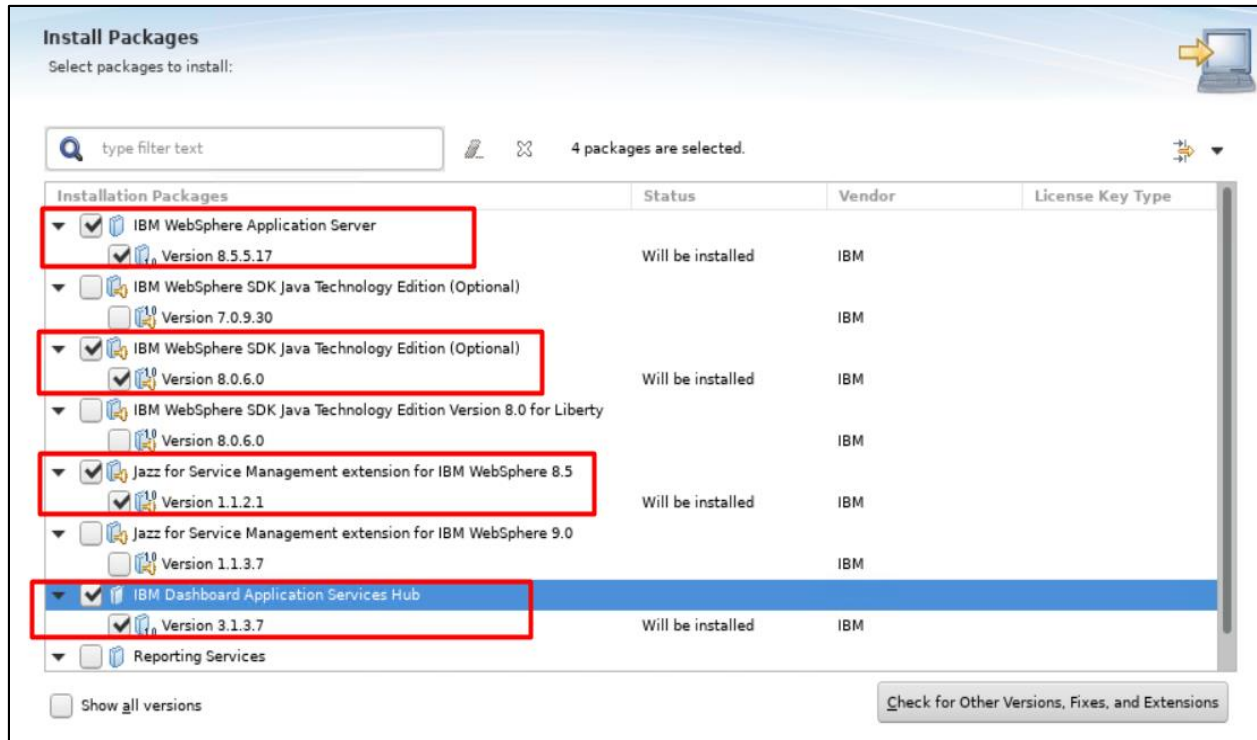
<extracted_path_JazzSM_1.1.3.7>/JazzSMRepository/disk1/diskTag.inf

<extracted_path_JAVA_8.0.6.0>/repository.config

The following list of repositories should be added for this installation:

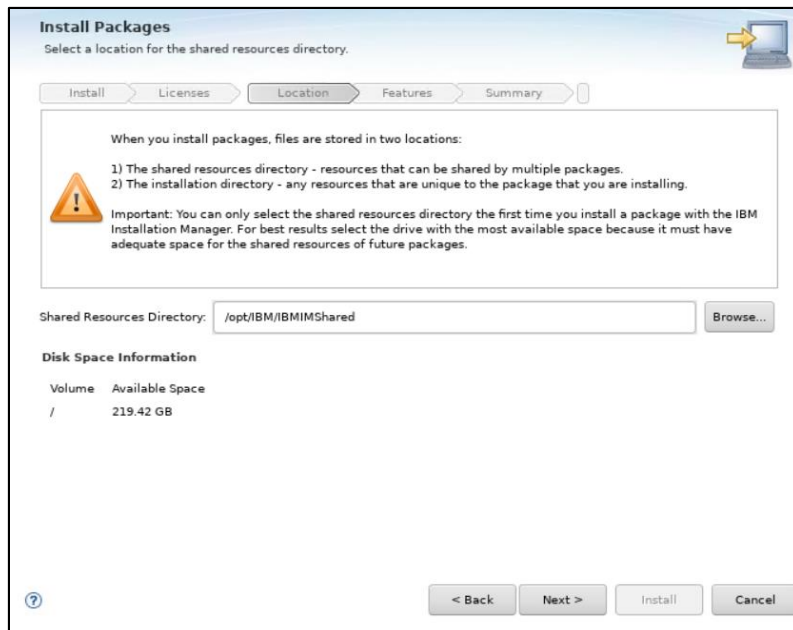


- Return to Installation Manager main menu and select the Install option
- Select the products you want to install; you should select the following: WAS 8.5.5.17, Java SDK 8.0.6.0, Jazz for IBM WebSphere 8.5 version 1.1.2.1 and IBM Dash 3.1.3.7.

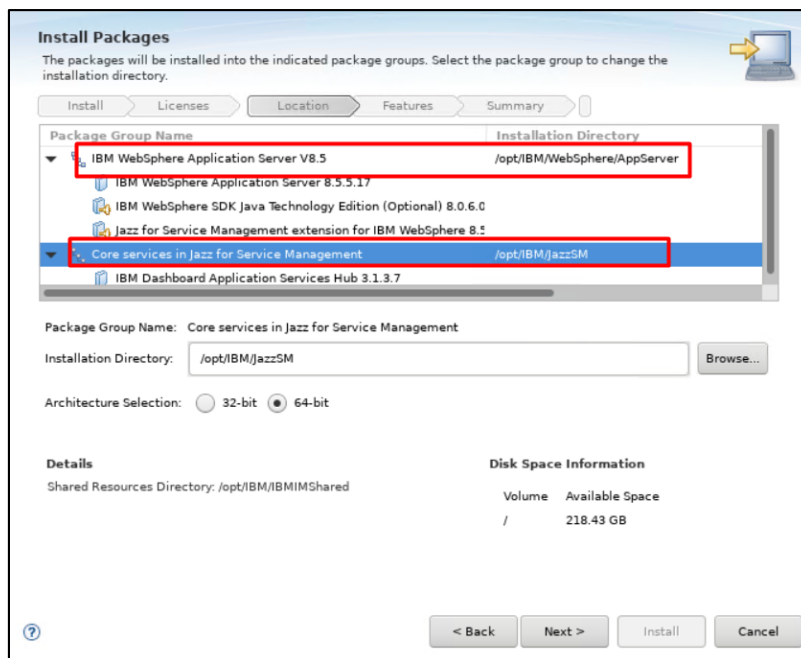


Default Installation paths that will be used along the process:

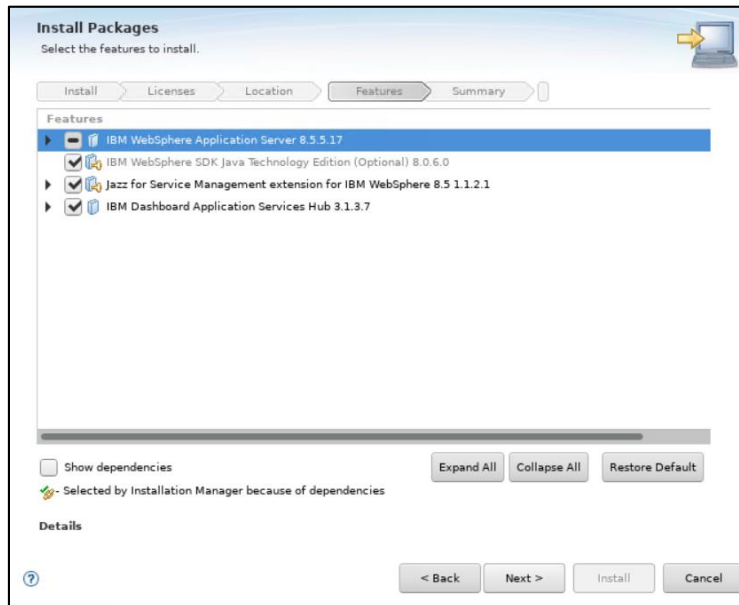
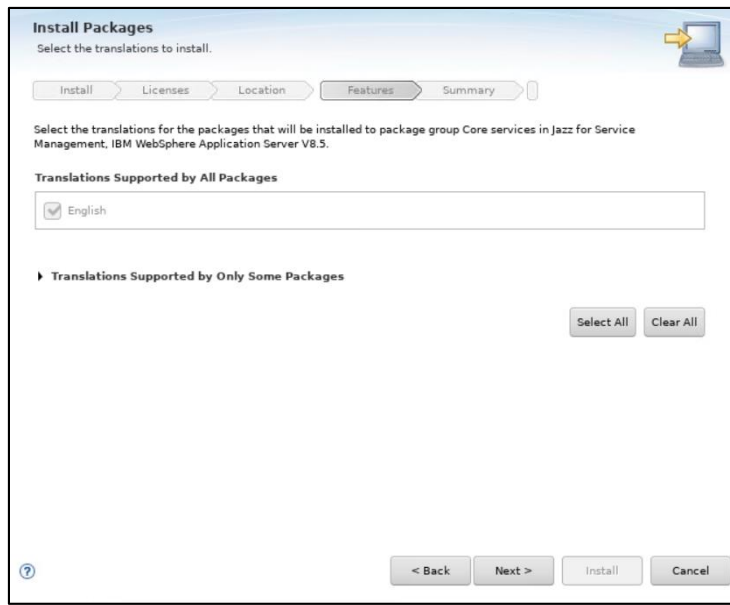
- IMSHARED: /opt/IBM/IBMIMShared
- DASH_HOME:
- WAS_HOME:
- Continue with the installation and enter the location path for the shared resources directory if you want to change the default one:



- Enter installation directory for WAS 8.5.5.17 and for DASH 3.1.3.7 (you have to select each of them if you want to change their directories):



- Continue with the installation; no actions are required by default within the next 2 panels.



- Enter WebSphere installation location as you initially added within the previous screens and the details needed to create a WAS profile (smadmin user password);

Afterwards click on the “Validate” option:

Install Packages
Click Next to continue.

Install > Licenses > Location > **Features** > Summary

Core services in Jazz for Service Management

- Common Configurations
 - WebSphere Configuration**
 - Ports Configuration
- IBM Dashboard Application Server
 - Context Root
- IBM WebSphere Application Server
 - IBM WebSphere SDK Java Technology
 - IBM WebSphere SDK Java

Common Configurations for Core services in Jazz for Service Management

WebSphere Configuration

WebSphere installation location: /opt/IBM/WebSphere/AppServer

Profile deployment type: Create WebSphere profile

Profile details

Profile location: /opt/IBM/JazzSM/profile

Profile name: JazzSMProfile

Node name: JazzSMNode01

Server name: server1

User name: smadmin

Password:

Password confirmation:

< Back Next > Install Cancel

- Change installation ports if needed and continue with the installation

Install Packages
Fill in the configurations for the packages.

Install > Licenses > Location > **Features** > Summary

Core services in Jazz for Service Management

- Common Configurations
 - ☒ WebSphere Configuration
 - ☒ Ports Configuration
- IBM Dashboard Application Server
 - ☒ Context Root
- IBM WebSphere Application Server
 - IBM WebSphere SDK Java Technology
 - IBM WebSphere SDK Java

Common Configurations for Core services in Jazz for Service Management

Ports Configuration

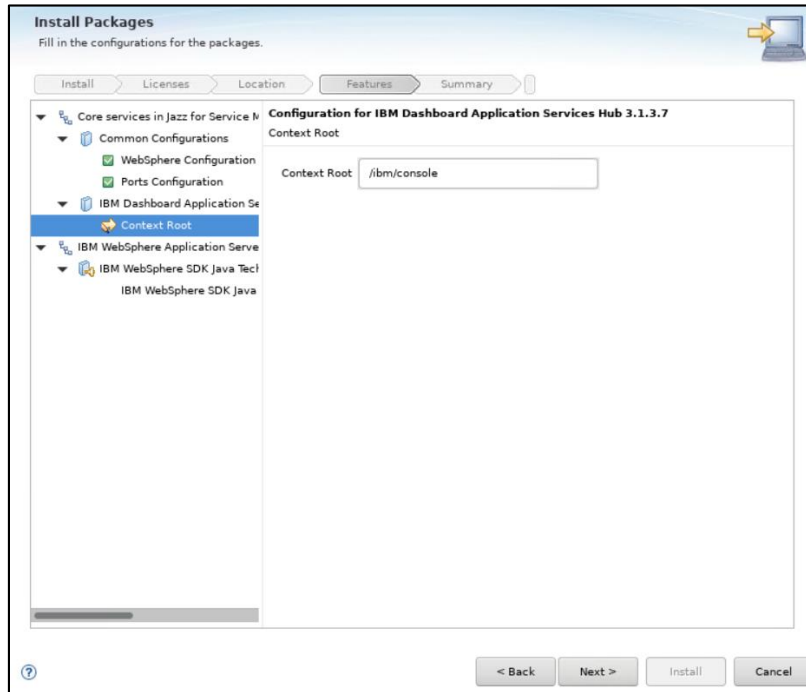
Configure the various network ports to which the WebSphere Application Server profile for Jazz for Service Management listens.

HTTP transport port	16310
HTTPS transport secure port	16311
Bootstrap port	16312
SOAP connector port	16313
IPC connector port	16314
Administrative console port	16315
Administrative console secure port	16316
High availability manager communication port	16318
ORB listener port	16320
SAS SSL server authentication port	16321
CSU/V2 client authentication listener port	16322

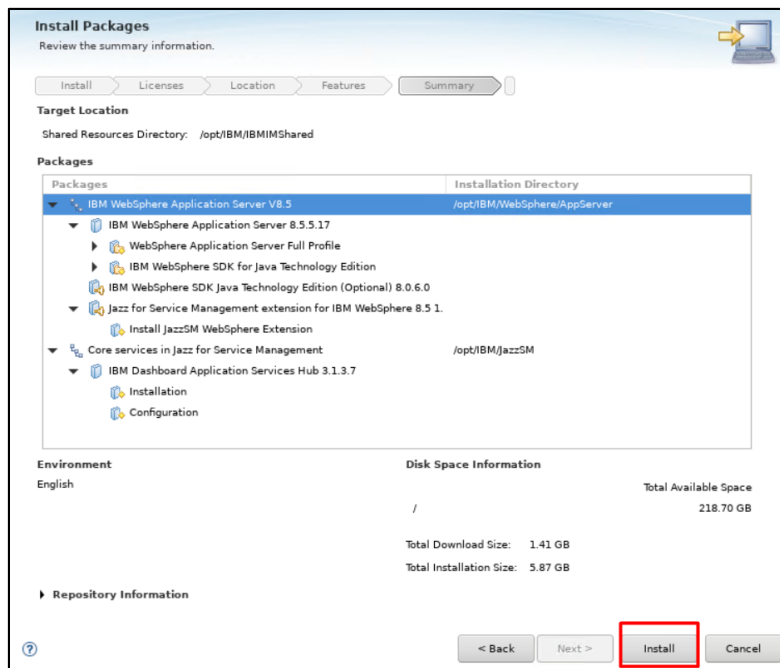
< Back Next > Install Cancel

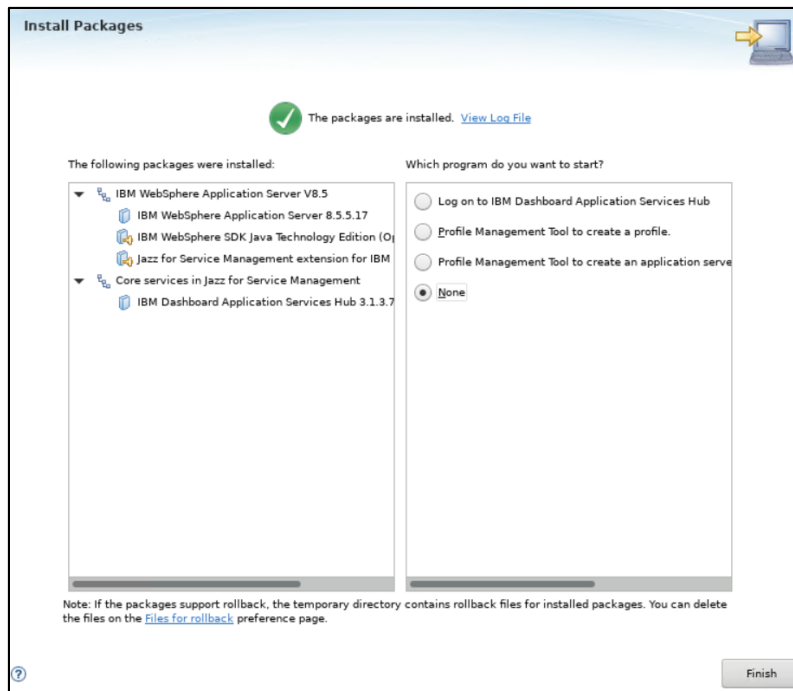
In case you are installing everything on the same box, these ports are easier to be changed than the ones from Impact as they cannot run on the same port at the same time.

- By default, context root is /ibm/console; continue with the installation



- Proceed with the installation and make sure everything completed successfully:





- **Silent Mode installation**

DASH/JazzSM doesn't support console mode installation. Therefore, if GUI mode is not an option you can choose to install in silent mode by using response file.

Below there is an example for a response file that covers the installation of the following: WAS 8.5.5.17, Java SDK 8.0.60, DASH 3.1.3.7.

It needs to be updated with the correct paths for each of the repositories from your environment, server hostname, the ports, installation paths if the default won't be used and also the encrypted smadmin user's password.

For the administrator password (user.WAS_PASSWORD) property you have to specify the encrypted password that will be generated by running the below script from Installation_Manager_Home/eclipse/tools directory.

```
./imutilsc encryptString password_to_encrypt
```

Example:

```
[root@withall tools]# ./imutilsc encryptString netcool
MKzgom+ucqpj8e5dVuK8Dw==
[root@withall tools]# pwd
/opt/IBM/InstallationManager/eclipse/tools
```

Response file example:

```
<?xml version='1.0' encoding='UTF-8'?>
<agent-input>
  <variables>
    <variable name='sharedLocation' value='/opt/IBM/IBMIMShared'/>
  </variables>
  <server>
    <repository location='/tmp/WASFP17'/>
    <repository location='/tmp/JAVA8'/>
    <repository location='/tmp/DASHFP7/JazzSMRepository/disk1'/>
    <repository location='/mnt/images/ibm/netcool/was/8.5.5.9/linux_x86_64/disk1'/>
  </server>
  <profile id='IBM WebSphere Application Server V8.5'
installLocation='/opt/IBM/WebSphere/AppServer'>
    <data key='cic.selector.arch' value='x86'/>
    <data key='user.wasjava' value='java8'/>
    <data key='user.internal.use.only.prev.wasjava' value='java8'/>
  </profile>
  <install>
    <!-- IBM WebSphere Application Server 8.5.5.17 -->
    <offering profile='IBM WebSphere Application Server V8.5'
id='com.ibm.websphere.BASE.v85' version='8.5.5017.20200205_1450'
features='core.feature,ejbdeploy,thinclient,embeddablecontainer,com.ibm.sdk.6_64bit'/>
    <!-- IBM WebSphere SDK Java Technology Edition (Optional) 8.0.6.0 -->
    <offering profile='IBM WebSphere Application Server V8.5'
id='com.ibm.websphere.IBMJAVA.v80' version='8.0.6000.20200205_1221'
features='com.ibm.sdk.8'/>
    <!-- Jazz for Service Management extension for IBM WebSphere 8.5 1.1.2.1 -->
    <offering profile='IBM WebSphere Application Server V8.5'
id='com.ibm.tivoli.tacct.psc.install.was85.extension' version='1.1.2001.20200611-1344'
features='main.feature'/>
  </install>
  <profile id='Core services in Jazz for Service Management'
installLocation='/opt/IBM/JazzSM'>
    <data key='cic.selector.arch' value='x86_64'/>
    <data key='user.BOOTSTRAP_ADDRESS' value='16312'/>
    <data key='user.CSIV2_SSL_MUTUALAUTH_LISTENER_ADDRESS' value='16322'/>
    <data key='user.SOAP_CONNECTOR_ADDRESS' value='16313'/>
    <data key='user.CSIV2_SSL_SERVERAUTH_LISTENER_ADDRESS' value='16323'/>
    <data key='user.DCS_UNICAST_ADDRESS' value='16318'/>
    <data key='user.IPC_CONNECTOR_ADDRESS' value='16314'/>
    <data key='user.ORB_LISTENER_ADDRESS' value='16320'/>
    <data key='user.WC_defaulthost_secure' value='16311'/>
    <data key='user.REST_NOTIFICATION_PORT' value='16324'/>
```

```

<data key='user.WC_defaulthost' value='16310'/>
<data key='user.WC_adminhost_secure' value='16316'/>
<data key='user.SAS_SSL_SERVERAUTH_LISTENER_ADDRESS' value='16321'/>
<data key='user.WC_adminhost' value='16315'/>
<data key='user.TIP_CONTEXT_ROOT' value='/ibm/console'/>
<data key='user.WAS_HOME' value='/opt/IBM/WebSphere/AppServer'/>
<data key='user.CREATE_NEW_WAS_PROFILE' value='true'/>
<data key='user.WAS_PROFILE_PATH' value='/opt/IBM/JazzSM/profile'/>
<data key='user.WAS_PROFILE_NAME' value='JazzSMProfile'/>
<data key='user.WAS_HOST_NAME' value='styled1.castle.fyre.ibm.com'/>
<data key='user.WAS_SERVER_NAME' value='server1'/>
<data key='user.WAS_NODE' value='JazzSMNode01'/>
<data key='user.WAS_USER_NAME' value='smadmin'/>
<data key='user.WAS_PASSWORD' value='MKzgom+ucqpj8e5dVuK8Dw=='/>
<data key='user.WAS_CELL' value='JazzSMNode01Cell'/>
</profile>
<install>
  <!-- IBM Dashboard Application Services Hub 3.1.3.7 -->
  <offering profile='Core services in Jazz for Service Management'
id='com.ibm.tivoli.tacct.psc.tip.install' version='3.1.3100.20200611-1344'
features='com.ibm.tivoli.tacct.psc.install.server.feature.tip.install,com.ibm.tivoli.tacct.psc.install.
server.feature.tip.config'/>
</install>
<preference name='com.ibm.cic.common.core.preferences.eclipseCache'
value='${sharedLocation}'/>
</agent-input>

```

To install using the above response file after you have updated each specific property that matches your environment, just run the following command:

```
./imcl -input <fullpath>/<responsefilename>.xml -acceptlicense -showProgress
```

Example:

```

[root@withall tools]# pwd
/opt/IBM/InstallationManager/eclipse/tools
[root@withall tools]# ./imcl -input /tmpresponsefiles/prerequisites.xml -acceptLicense -showProgress
          25%          50%          75%          100%
-----|-----|-----|-----|
...|

[root@withall tools]# ./imcl -input /tmpresponsefiles/prerequisites.xml -acceptLicense -showProgress
          25%          50%          75%          100%
-----|-----|-----|-----|
.....
Installed com.ibm.websphere.BASE.v85_8.5.5017.20200205_1450 to the /opt/IBM/WebSphere/AppServer directory.
Installed com.ibm.websphere.IBMJAVA.v80_8.0.6000.20200205_1221 to the /opt/IBM/WebSphere/AppServer directory.
Installed com.ibm.tivoli.tacct.psc.install.was85.extension_1.1.2001.20200611-1344 to the /opt/IBM/WebSphere/AppServer directory.
Installed com.ibm.tivoli.tacct.psc.tip.install_3.1.3100.20200611-1344 to the /opt/IBM/JazzSM directory.

```

WebGUI 8.1.0.19

- **Package to download from Passport Advantage:**

IBM Tivoli Netcool OMNIBus 8.1.0.19 WebGUI & Extensions for Netcool Operations Insight - Linux 64bit English (CC6QHEN)

☐ IBM Tivoli Netcool OMNIBus 8.1.0.19 WebGUI & Extensions for Netcool Operations Insight - Linux 64bit English (CC6QHEN) - View details	
Size	742MB
Date posted	26 Jun 2020

This is an embedded package that contains both base and FP19.

- **GUI Mode installation**

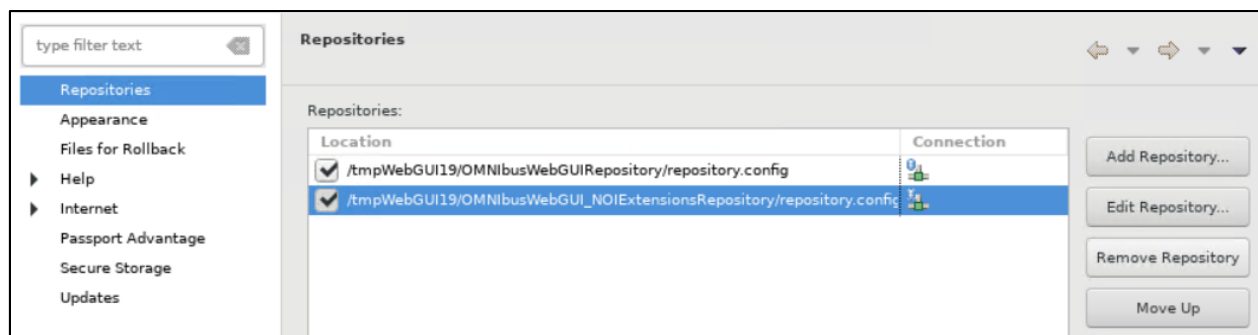
Add all the following repository within Installation Manager -> Preferences section:

<extracted_path_webgui_8.1.0.19>/OMNIBusWebGUIRepository/repository.config

If you also want to install WebGUI NOI Extension, add this one as well:

<extracted_path_webgui_8.1.0.19>/OMNIBusWebGUI_NOIExtensionRepository/repository.config

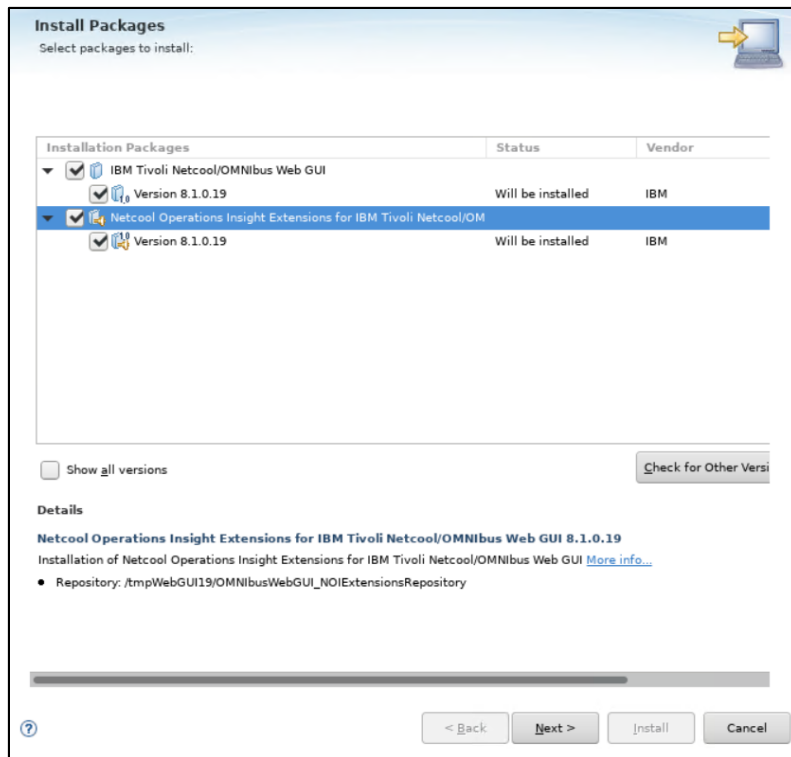
In this example I will install both base and NOI Extension for WebGUI:



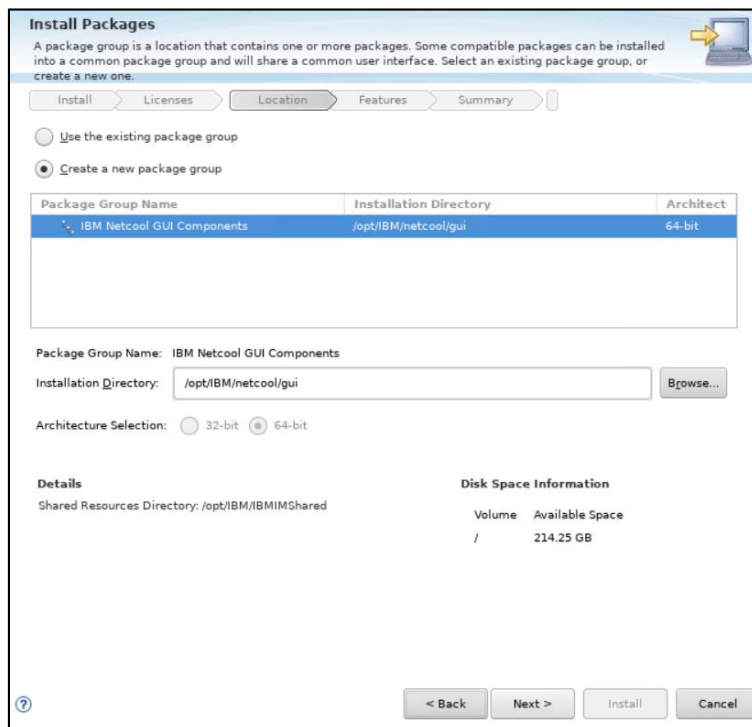
Default installation path for WebGUI:

WebGUI_HOME: /opt/IBM/netcool/gui

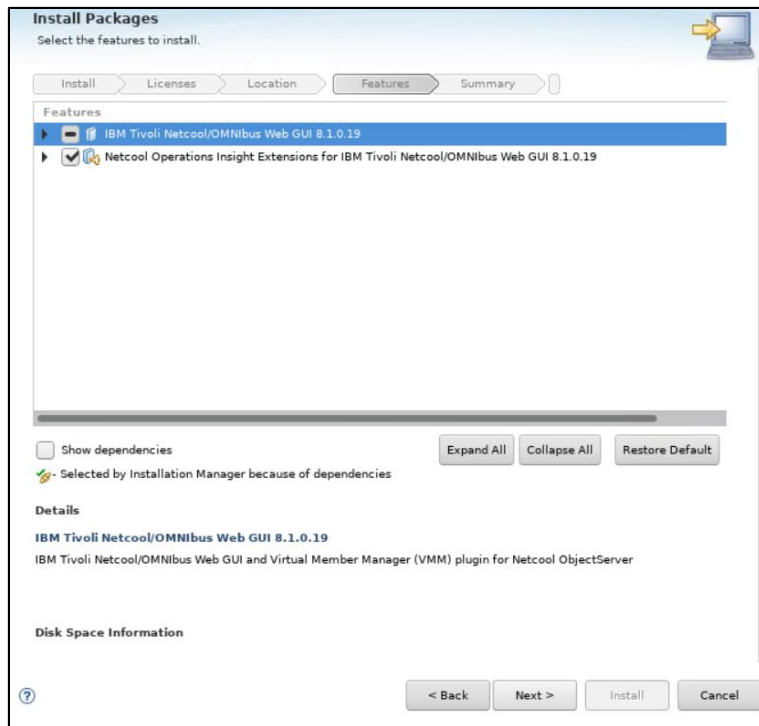
- Select Install wizard from IM and choose the product to be installed:



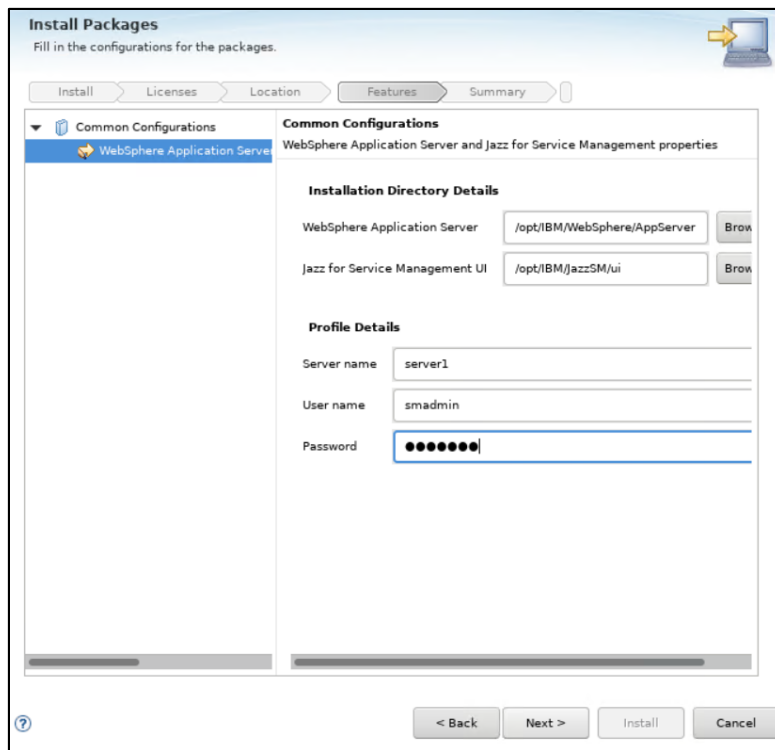
- Enter installation path directory if the default one won't be used:

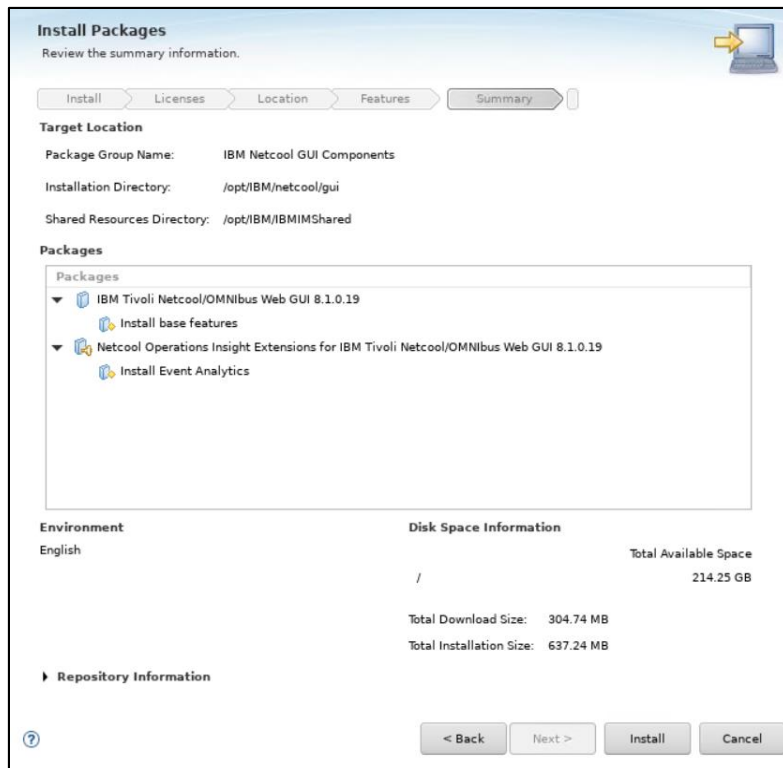


- Select the components that will be installed:

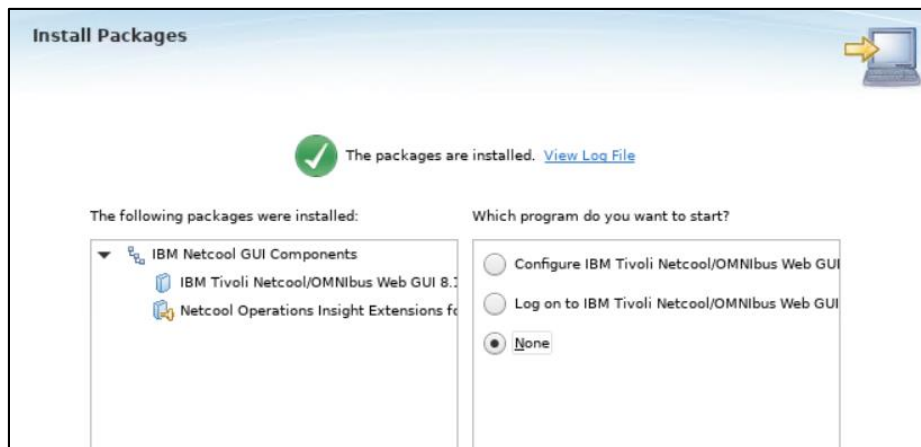


- Enter WebSphere and JazzSM installation directories as well as the profile details for webgui (username and password). Afterwards continue with the installation:





- Make sure everything completed successfully. Afterwards WebGUI configuration can be made within the wizard that is available to be selected or manually after completing the installation.



- **Silent Mode installation**

Below there is an example for a response file that covers the installation of WebGUI 8.1.0.19 on top of its prerequisites (WAS, DASH and Java SDK).

You need to update each repository path, installation and smadmin user password (in plain text) to match the values from your environment.

Response file:

```
<?xml version='1.0' encoding='UTF-8'?>
<agent-input>
  <variables>
    <variable name='sharedLocation' value='/opt/IBM/IBMIMShared'/>
  </variables>
  <server>
    <repository location='/tmp/WebGUI19/OMNIBusWebGUIRepository'/>
    <repository location='/tmp/WebGUI19/OMNIBusWebGUI_NOIExtensionsRepository'/>
  </server>
  <profile id='IBM Netcool GUI Components' installLocation='/opt/IBM/netcool/gui'>
    <data key='cic.selector.arch' value='x86_64'/>
    <data key='user.DashHomeDir' value='/opt/IBM/JazzSM/ui'/>
    <data key='user.WasHomeDir' value='/opt/IBM/WebSphere/AppServer'/>
    <data key='user.DashHomeUserID' value='smadmin'/>
    <data key='user.DashHomeContextRoot' value='/ibm/console'/>
    <data key='user.DashHomeWasCell' value='JazzSMNode01Cell'/>
    <data key='user.DashHomeWasNode' value='JazzSMNode01'/>
    <data key='user.DashHomeWasServerName' value='server1'/>
    <data key='user.DashHomePwd' value='netcool'/>
  </profile>
  <install>
    <!-- IBM Tivoli Netcool/OMNIBus Web GUI 8.1.0.19 -->
    <offering profile='IBM Netcool GUI Components'
id='com.ibm.tivoli.netcool.omnibus.webgui' version='8.1.19.202006112025'
features='VMM.feature,WebGUI.feature'/>
    <!-- Netcool Operations Insight Extensions for IBM Tivoli Netcool/OMNIBus Web GUI
8.1.0.19 -->
    <offering profile='IBM Netcool GUI Components' id='com.ibm.noi.ea'
version='8.1.19.202006112025' features='EA.feature'/>
  </install>
  <preference name='com.ibm.cic.common.core.preferences.eclipseCache'
value='${sharedLocation}'/>
</agent-input>
```

To install using the above response file after you have updated each specific property that matches your environment, just run the following command:

Example:

```
[root@withall tools]# ./imcl -input /tmpresponsefiles/webgui.xml -acceptLicense -showProgress
25%          50%          75%          100%
-----|-----|-----|-----|
.....|.....|.....|.....|
.....|.....|.....|.....|
```

```
[root@withall tools]# ./imcl -input /tmp/responsefiles/webgui.xml -acceptLicense -showProgress
                25%                50%                75%                100%
-----|-----|-----|-----|-----|
.....
Installed com.ibm.tivoli.netcool.ommibus.webgui 8.1.19.202006112025 to the /opt/IBM/netcool/gui directory.
Installed com.ibm.noi.ea 8.1.19.202006112025 to the /opt/IBM/netcool/gui directory.
```

Configure Omnibus Object Server as user repository and data source for WebGUI

Option A: Use the wizard that is available at the end of WebGUI installation when this is done in GUI mode.

Which program do you want to start?

☒ Configure IBM Tivoli Netcool/OMNIBus Web GUI

☐ Log on to IBM Tivoli Netcool/OMNIBus Web GUI

☐ None

☒ Configure a single server setup using default settings.

☐ Configure an advanced setup.

- Enter object server details (host, port, user id and password):

The default OMNIBUS users and groups will be created.

ObjectServer

Host: Port:

Authentication

User ID: Password:

You are about to configure the following as the default authentication provider in IBM Dashboard Application Services Hub:

- **ObjectServer Repository**
- curvier1.castle.fyre.ibm.com : 4100 (Primary Server)
- root (User)

You have opted to create the following users and groups:

Default Users (2)

- ncadmin
- ncouser

Default Groups (2)

- Netcool_OMNIBus_Admin
- Netcool_OMNIBus_User

The system will also configure a data source called **OMNIBUS**

Click Next to continue.

At the end login to WebGUI console and add roles to smadmin user.



Option B: Select “none” at the end of the GUI installation and manually add object server as repository for WebGUI and create a datasource in webgui console.

- go to \$WAS_HOME/bin directory

```
cd /opt/IBM/WebSphere/bin
```

- use confvmm4ncos.sh script to add the created object server as repository for WebGUI.

Run the following command after you replace with your own values:

```
./confvmm4ncos.sh $JazzSM_HOME/profile objserver_root_user objserver_root_user_pass  
FQDN_omnibus objserver_port
```

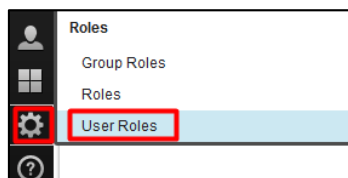
Command example:

```
[root@styled1 bin]# ./confvmm4ncos.sh /opt/IBM/JazzSM/profile root '' styled1.castle.fyre.ibm.com 4100  
configfile=/opt/IBM/JazzSM/profile/config/cells/JazzSMNode01Cell/wim/config/wimconfig.xml  
Warning : 0  
Result - Success : 0  
Please restart the server for these changes to take effect.
```

- restart WebGUI by running below commands:

```
./stopServer.sh server1 -username smadmin -password smadminpass  
./startServer.sh server1
```

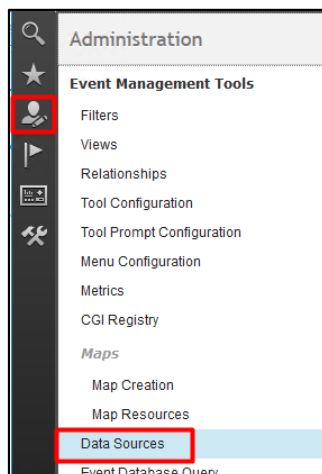
- login to WebGUI console and add roles to smadmin user

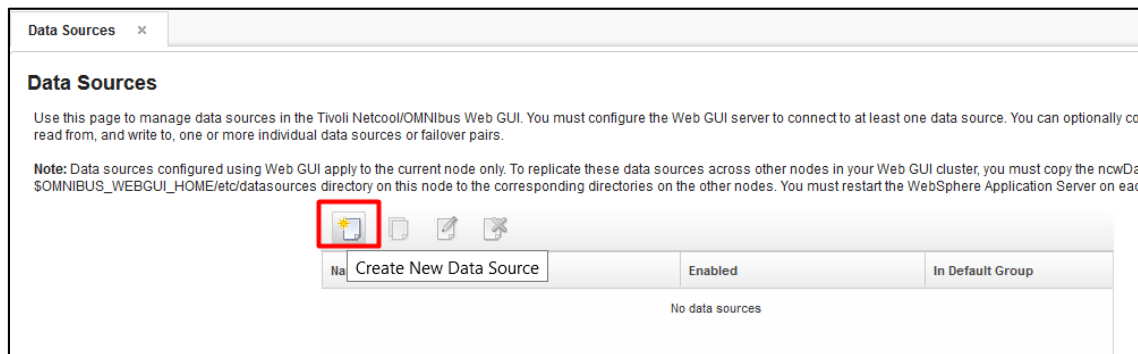


- click on Search -> select smadmin user -> select all roles -> save configuration

smadmin	1	smadmin	smadmin	iscadmins, chartAdministrator, samples, administrator
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- logout/login with this user.
- create datasource within WebGUI to the object server created on server 1:





- enter a name for this data source, add the hostname where the object server was installed, and the port used for this one; test the connection and make sure it can successfully connect and save the new data source