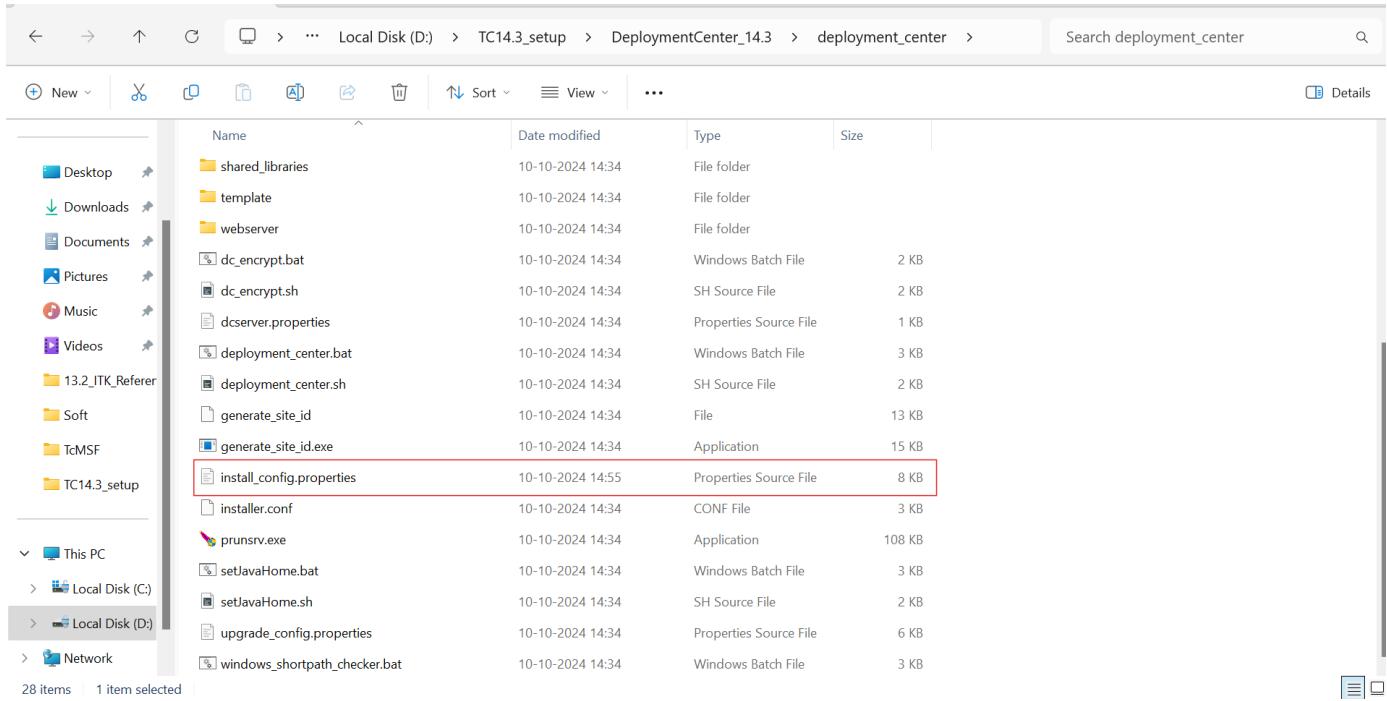


DC Installation:

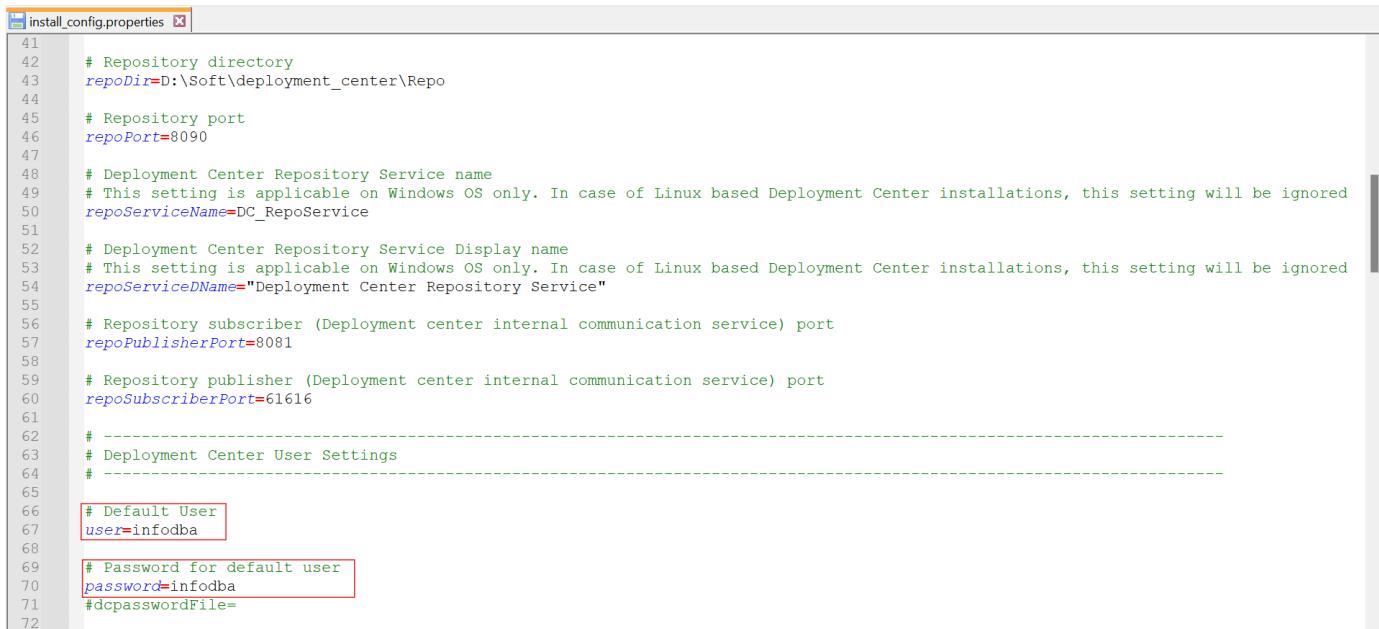
- **Step 1:** Unzip DeploymentCenter_14.3.zip and go to <unzip_location>\DeploymentCenter_14.3\deployment_center.
- **Step 2:** Open install_config.properties in notepad++.



- **Step 3:** In 'serverDir' & 'repoDir' give the path where you have to install the DC.

```
# -----  
# Deployment Center server install directory  
serverDir=D:\Soft\deployment_center\Server  
# Deployment Center server port  
serverPort=8080  
# Deployment Center service name  
# This setting is applicable on Windows OS only. In case of Linux based Deployment Center installations, this setting will be ignored  
serviceName=DC_Service  
# Deployment Center Service Display name  
serviceDName="Deployment Center Service"  
# -----  
# Deployment Center Repository Settings  
# -----  
# Repository directory  
repoDir=D:\Soft\deployment_center\Repo  
# Repository port  
repoPort=8090  
# Deployment Center Repository Service name  
# This setting is applicable on Windows OS only. In case of Linux based Deployment Center installations, this setting will be ignored  
repoServiceName=DC_RepoService  
# Deployment Center Repository Service Display name  
# This setting is applicable on Windows OS only. In case of Linux based Deployment Center installations, this setting will be ignored  
repoServiceDName="Deployment Center Repository Service"
```

- **Step 4:** Give username & password as “infodba” and save the file.

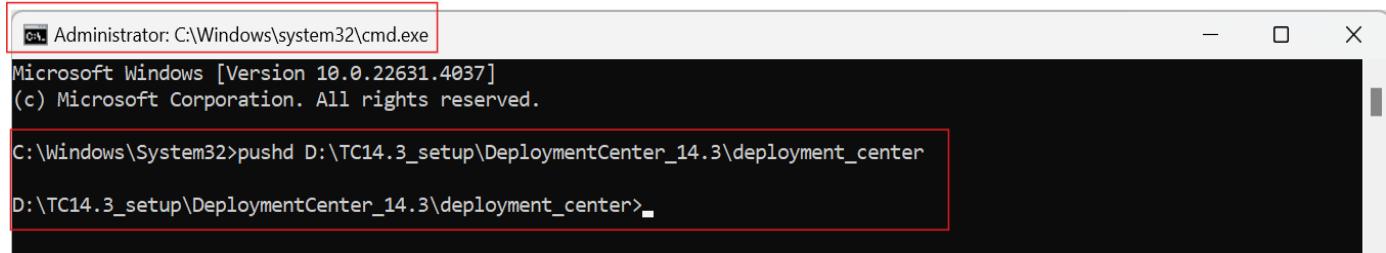


```

41
42     # Repository directory
43     repoDir=D:\Soft\deployment_center\Repo
44
45     # Repository port
46     repoPort=8090
47
48     # Deployment Center Repository Service name
49     # This setting is applicable on Windows OS only. In case of Linux based Deployment Center installations, this setting will be ignored
50     repoServiceName=DC_RepoService
51
52     # Deployment Center Repository Service Display name
53     # This setting is applicable on Windows OS only. In case of Linux based Deployment Center installations, this setting will be ignored
54     repoServiceDName="Deployment Center Repository Service"
55
56     # Repository subscriber (Deployment center internal communication service) port
57     repoPublisherPort=8081
58
59     # Repository publisher (Deployment center internal communication service) port
60     repoSubscriberPort=61616
61
62     # -----
63     # Deployment Center User Settings
64     #
65
66     # Default User
67     user=infodba
68
69     # Password for default user
70     password=infodba
71     #dcpasswordFile=
72

```

- **Step 5:** Copy the path of **deployment_center** folder and open that folder location in **Administrator CMD**.



```

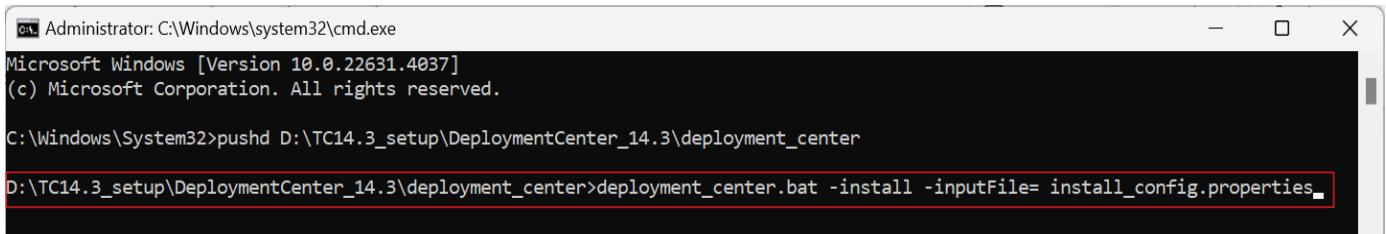
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>pushd D:\TC14.3_setup\DeploymentCenter_14.3\deployment_center
D:\TC14.3_setup\DeploymentCenter_14.3\deployment_center>

```

- **Step 6:** Run “**deployment_center.bat**” in CMD using the command given below.

Command: “deployment_center.bat -install -inputFile= install_config.properties”



```

Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>pushd D:\TC14.3_setup\DeploymentCenter_14.3\deployment_center
D:\TC14.3_setup\DeploymentCenter_14.3\deployment_center>deployment_center.bat -install -inputFile= install_config.properties

```

- **Step 7:** Deployment Center should be installed on your system. Copy the link highlighted in the snapshot below and open it in your browser.

```

----- Installing Deployment Center -----

Deployment Center installation log
Date and time : Sep 26, 2024 06:13 PM
Log file location: D:\TC_Setups\Extracted\TC_14.3.0.9\DeploymentCenter_14.3.0.9\deployment_center\logs

Input arguments:
-install
-inputFile=install_config.properties

Deployment Center installation has started...

[Step 1 of 12] Creating Deployment Center Server Directory...
[Step 2 of 12] Creating Deployment Center Repository Directory...
[Step 3 of 12] Deploying Deployment Center Database...

[Step 4 of 12] Populating Default Database Settings...
[Step 5 of 12] Deploying Deployment Center WAR file...
[Step 6 of 12] Updating Deployment Center Server properties...

[Step 7 of 12] Copying media file...
[Step 8 of 12] Copying Deployment Center Utilities...
[Step 9 of 12] Populating Deployment Center Repository...

[Step 10 of 12] Deploying Deployment Center Service [DC_Service]...
[Step 11 of 12] Deploying Repository Service [DC_RepoService]...
[Step 12 of 12] Deploying Publisher Service [DC_RepoService_Publisher]...

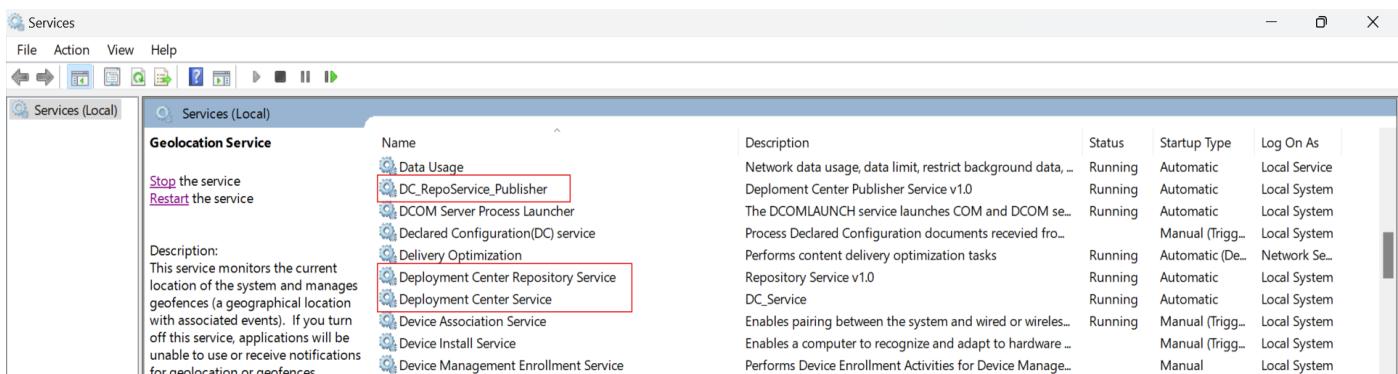
Success : Deployment Center installation completed.

Deployment Center service ("DC_Service") is installed and started.
Deployment Center Repository service ("DC_RepoService") is installed and started.
Deployment Center Publisher service ("DC_RepoService_Publisher") is installed and started.

Access Deployment Center at the URL:
http://INPUN0041DC.IZD01.IN:8080/deploymentcenter/

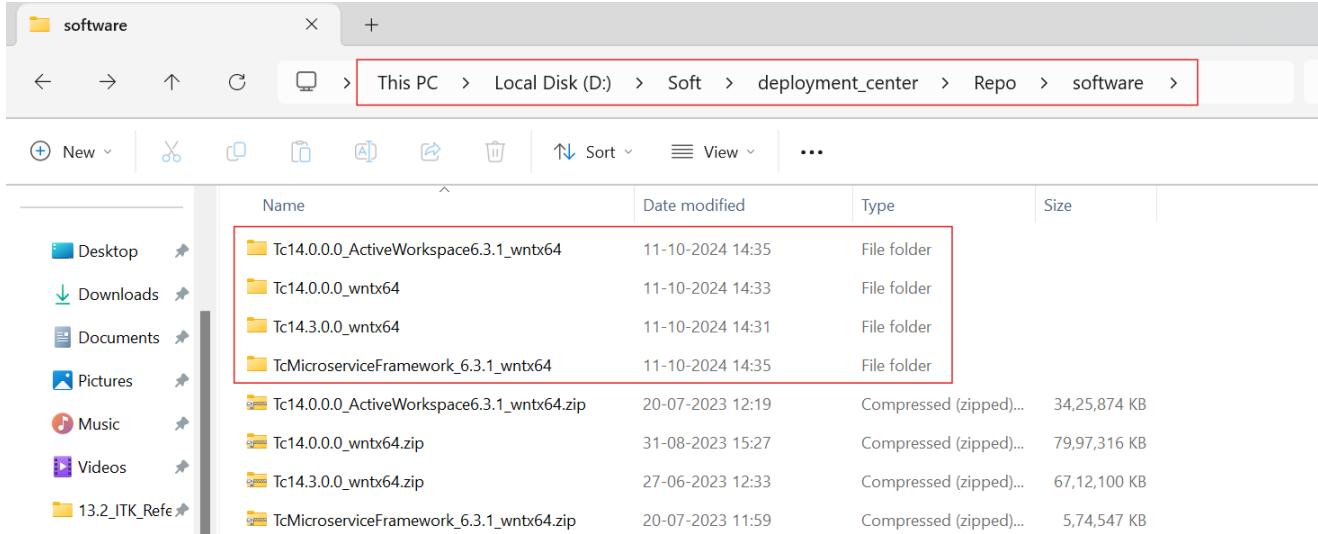
```

- **Step 8:** After successful installation of DC these 3 Services must be created.

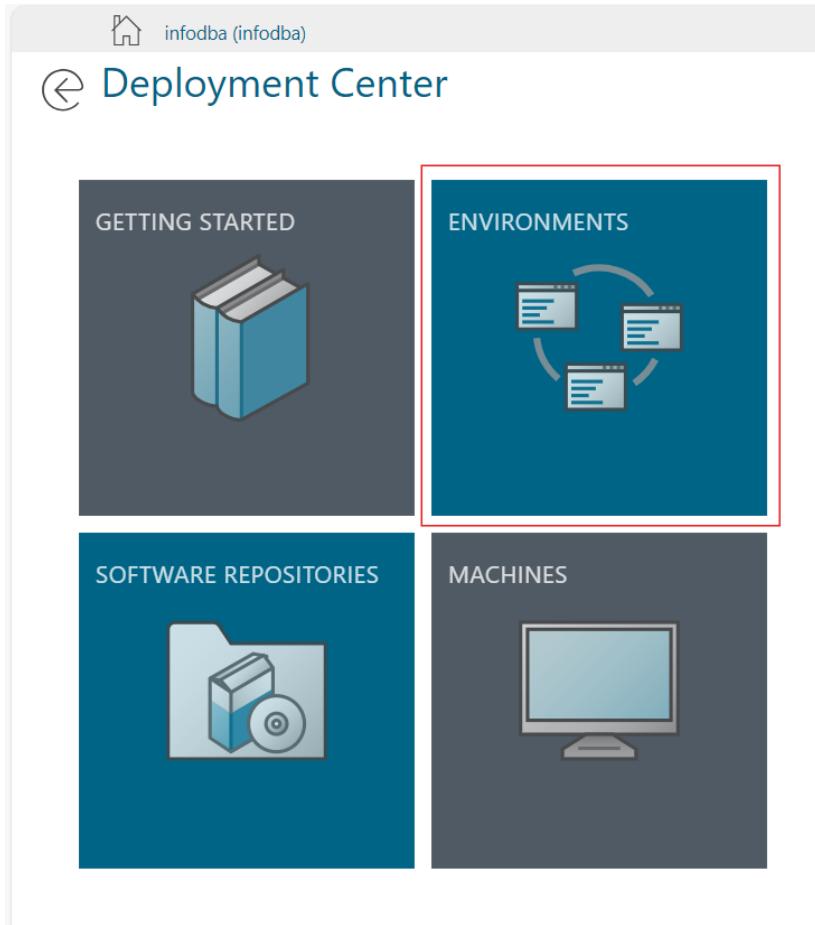


TC Installation:

- **Step 1:** First, copy the setups of “**Tc14.0.0.0_wntx64**”, “**Tc14.3.0.0_wntx64**”, “**Tc14.0.0.0_ActiveWorkspace6.3.1_wntx64**” and “**TcMicroserviceFramework_6.3.1_wntx64**” to software folder of DC
“D:\Soft\deployment_center\Repo\software”.



- **Step 2:** Open DC, click on Environments.



- **Step 3:** Click on (+) icon.

Deployment Center 14.3.0.9 SIEMENS

Environments

All Environments

There are no environments available.

To create an environment there are two options:

- 1) Create a new environment
- 2) Register an existing environment

1) Create a new environment
Creating a new environment allows you to build a new environment and configure the software, applications and components that are desired. Click the "+" on the right margin to create a new environment.

2) Register an existing environment
Registering an existing environment allows you to bring in environments that have already been created so that they can be managed by the Deployment Center.
To register an existing environment in the Deployment Center:
A) Drop the Teamcenter Foundation and Active Workspace software into the Deployment Center Repository.
B) Locate the "send_configuration_to_dc.zip" located in the "additional_tools" directory of the Deployment Center software kit.
C) Copy the "send_configuration_to_dc.zip" file to any directory on the Corporate Server machine of the Teamcenter environment to be registered.
D) Open a command prompt and ensure the TC_ROOT environment variable is set and points to the root directory of your Teamcenter Environment.
E) Execute the "send_configuration_to_dc" script which scans the environment settings and sends them to the Deployment Center.
F) After the scanning is completed, refresh this screen to view the scanned environment in the Deployment Center.

- **Step 4:** Select all four setups and click on Update Selected Software.

Selected Software

PRODUCT	SOFTWARE	VERSION	DEPENDENCIES
<input checked="" type="checkbox"/>	Teamcenter	Active Workspace	Foundation 14.0
<input checked="" type="checkbox"/>	Teamcenter	Foundation	MicroService Framework 6.3
<input checked="" type="checkbox"/>	Teamcenter	Foundation	Foundation 14.0
<input checked="" type="checkbox"/>	Teamcenter	Microservice Framework	6.3.1

Available Software

PRODUCT	SOFTWARE	VERSION	DEPENDENCIES
<input checked="" type="checkbox"/>	Teamcenter	Active Workspace	Foundation 14.0
<input checked="" type="checkbox"/>	Teamcenter	Foundation	MicroService Framework 6.3
<input checked="" type="checkbox"/>	Teamcenter	Foundation	Foundation 14.0
<input checked="" type="checkbox"/>	Teamcenter	Microservice Framework	6.3.1

Update Selected Software

- **Step 5:** Click on “Go to Options”.

Selected Software

PRODUCT	SOFTWARE	VERSION	STATUS
Teamcenter	Active Workspace	6.3.1	🕒
Teamcenter	Foundation	14.0	🕒
Teamcenter	Foundation	14.3	🕒
Teamcenter	Microservice Framework	6.3.1	🕒

Go to Options

- **Step 6: Click on “Save Environment Options”.**

The screenshot shows the 'Environments' section of the Deployment Center. On the left, there are two environments listed: 'AWC_TC14_4T' and 'Env_001'. 'Env_001' is selected and highlighted with a blue background. The main area is titled 'Deploy Software Overview' and shows a progress bar at step 2 Options. Below the progress bar, the 'Options' tab is active. A sub-section titled 'Select the options for this environment.' contains two radio button options: 'Java EE' (selected) and '.NET'. Each option has a detailed description below it. Further down, under 'Environment Type', there is another radio button 'Single Box' (selected). At the bottom right of this section is a button labeled 'Save Environment Options' with a red border around it.

- **Step 7: Click on “Go to Components”.**

The screenshot shows the 'Environments' section of the Deployment Center. The same two environments ('AWC_TC14_4T' and 'Env_001') are listed, with 'Env_001' selected. The main area is titled 'Deploy Software Overview' and shows a progress bar at step 3 Applications. Below the progress bar, the 'Selected Applications' tab is active. This section lists several applications with their status: 'Teamcenter' (greyed out), 'Active Workspace' (Pending Install), 'Active Workspace Base (Pending Install)', 'Active Workspace User Management (Pending Install)', 'Client Configuration (Pending Install)', 'Document Management (Pending Install)', 'Reporting (Pending Install)', 'Subscription (Pending Install)', and 'XRT Editor (Pending Install)'. At the bottom right of this section is a button labeled 'Go to Components' with a red border around it.

- **Step 8:** Click on (+) icon and select “**BMIDE 4-Tier**” and “**Rich client four-tier**”, then click on **Update Selected Components**.

The screenshot shows the 'Deployment Software Overview' page. On the left, under 'Environments', 'Env_001' is selected. The 'Selected Components' table lists several components: Active Workspace Client Builder, Active Workspace Gateway, Corporate Server, Database Server, FSC, FSC Group, and FSC Keys. A red box highlights the '+' icon in the top right corner of the component table. To the right, the 'Available Components' panel displays the 'Business Modeler IDE 4 tier'. A red box highlights the 'Update Selected Components' button at the bottom of this panel.

Corporate Server

- **Step 9:** Select **Corporate Server** and on the right side Click on the **eye** button to view more options.

The screenshot shows the 'Deploy Software Overview' page. The 'Selected Components' table has 'Corporate Server' selected. On the right, the 'Corporate Server' configuration panel is open. It shows the status as 'Pending Install'. Under 'Machine', there is a dropdown for 'Machine Name' and a dropdown for 'OS' set to 'Inx64'. Under 'General Settings', fields for 'Teamcenter Installation Path' (set to '/usr/Siemens/Teamcenter14/teamcenter_root') and 'Teamcenter Data Path' (set to '/usr/Siemens/Teamcenter14/tc_data') are shown. A red box highlights the eye icon next to the 'Corporate Server' title. A red box also highlights the 'Save Component Settings' button at the bottom of the configuration panel.

- **Step 10:** Fill the values as given below to all required text fields for successful installation.

Deploy Software Overview

1 Software > 2 Options > 3 Applications > 4 Components > 5 Deploy

Selected Components

Component	Type	Status	Progress (%)	Action
Active Workspace Gateway		Start		
Business Modeler IDE 4 tier		Start		
Corporate Server		Start		
Database Server		Start		
FSC		Start		
FSC Group	fsc	Start	100%	
FSC Keys	fsc	Start		
Indexer		Start		
Indexing Engine		Start		
Licensing Server		Start		

Corporate Server

Status: Pending Install

Machine

Machine Name: INPUN0232NB

OS: win64

General Settings

Teamcenter Installation Path: D:\Soft\Teamcenter\TC_ROOT

Teamcenter Data Path: D:\Soft\Teamcenter\TC_DATA

Teamcenter Administrative User:

Buttons

Remove Selected Components | Start Configuration | Save Component Settings

Deploy Software Overview

1 Software > 2 Options > 3 Applications > 4 Components > 5 Deploy

COMPONENT	MACHINE	OS	COMPLETE	STA
Active Workspace Client Builder			Start	
Active Workspace Gateway			Start	
Business Modeler IDE 4 tier			Start	
Corporate Server			Start	
Database Server			Start	
FSC			Start	
FSC Group	fsc			
FSC Keys	fsc		Start	
Indexer			Start	

[Remove Selected Components](#) [Start Configuration](#)

Corporate Server

Login Account

User: IZD01\installuser

Password:

Confirm Password:

Volume Settings

Volume Name: DefaultVolume

Volume Directory: D:/Soft/Teamcenter/TC_VOLUME/DefaultVolume

Transient Volume Directory

[Save Component Settings](#)

Deploy Software Overview

1 Software > 2 Options > 3 Applications > 4 Components > 5 Deploy

COMPONENT	MACHINE	OS	COMPLETE	STA
Active Workspace Client Builder			Start	
Active Workspace Gateway			Start	
Business Modeler IDE 4 tier			Start	
Corporate Server			Start	
Database Server			Start	
FSC			Start	
FSC Group	fsc			
FSC Keys	fsc		Start	
Indexer			Start	

[Remove Selected Components](#) [Start Configuration](#)

Corporate Server

Transient Volume Directory

Windows Clients: c:\temp\transientVolume

UNIX Clients: /tmp/transientVolume

Password Security

Administrative Password Directory: D:/Soft/Teamcenter/TC_ROOT/security

Cache Generation

Generate server cache?

Generate client cache?

Communication to other components

FSC

[Save Component Settings](#)

Database Server

- Step 11: Select Database Server and on the right side Click on the eye button to view more options.

Deploy Software Overview

1 Software > 2 Options > 3 Applications > 4 Components > 5 Deploy

COMPONENT	MACHINE	OS	COMPLETE STA
Active Workspace Client Builder	INPUN0232NB	winx64	100%
Active Workspace Gateway	INPUN0232NB	winx64	84%
Business Modeler IDE 4 tier	INPUN0232NB	winx64	100%
Corporate Server	INPUN0232NB	winx64	100%
Database Server			Start
FSC	INPUN0232NB	winx64	81%
FSC Group	fsc	winx64	100%
FSC Keys	fsc	winx64	Start
Indexer	INPUN0232NB	winx64	100%

Remove Selected Components Start Configuration

Database Server

Status: Installed

Machine

Machine Name: INPUN0232NB

OS: wntx64

Database Creation Settings

Create and populate database. Create new data directory.
For Oracle this means a table space will be created. For MSSQLServer a database will be created.

Populate database. Create new data directory.
A database exists, but is not populated with Teamcenter data. You want Deployment

Save Component Settings

Deploy Software Overview

1 Software > 2 Options > 3 Applications > 4 Components > 5 Deploy

COMPONENT	MACHINE	OS	COMPLETE STA
Active Workspace Client Builder	INPUN0232NB	winx64	100%
Active Workspace Gateway	INPUN0232NB	winx64	84%
Business Modeler IDE 4 tier	INPUN0232NB	winx64	100%
Corporate Server	INPUN0232NB	winx64	100%
Database Server			Start
FSC	INPUN0232NB	winx64	81%
FSC Group	fsc	winx64	100%
FSC Keys	fsc	winx64	Start
Indexer	INPUN0232NB	winx64	100%

Remove Selected Components Start Configuration

Database Server

Database Server: Oracle

Oracle Database User

User: infodba

Password:

Confirm Password:

Service: TCBT141

Port: 1521

Secured Communication

Save Component Settings

- **Step 12: Click on Save Component Settings.**

The screenshot shows the 'Deploy Software Overview' interface. The top navigation bar includes tabs for '1 Software', '2 Options', '3 Applications', '4 Components', and '5 Deploy'. The '4 Components' tab is active. On the left, a 'Selected Components' table lists several software components with their status (e.g., Active Workspace Client Builder at 100%, Database Server at Start). The 'Database Server' row is highlighted. To the right, a detailed configuration panel for the 'Database Server' is displayed. It includes a section for 'Database System User Credentials' with fields for 'User' (set to 'system'), 'Password' (redacted), and 'Confirm Password' (redacted). A note above the credentials states: '1) Check the check box below and enter the Database system user credentials. Or 2) Have the database administrator grant this permission to Oracle Database User before running the deploy script(s.).' A checkbox labeled 'Use database system user credentials to grant this permission' is checked. Below this is a 'Character Encoding Settings' section with a dropdown set to 'UTF8'. At the bottom of the panel are buttons for 'Save Component Settings' (highlighted with a red box) and 'Start Configuration'.

COMPONENT	MACHINE	OS	COMPLETE	STA
Active Workspace Client Builder	INPUN0232NB		100%	
Active Workspace Gateway	INPUN0232NB		84%	
Business Modeler IDE 4 tier	INPUN0232NB		100%	
Corporate Server	INPUN0232NB		100%	
Database Server			Start	
FSC	INPUN0232NB		81%	
FSC Group	fsc		100%	
FSC Keys	fsc		Start	
Indexer	INPUN0232NB		100%	

Database Server

1) Check the check box below and enter the Database system user credentials.
Or
2) Have the database administrator grant this permission to Oracle Database User before running the deploy script(s.).

Use database system user credentials to grant this permission

Database System User Credentials

User: system
Password:
Confirm Password:

Character Encoding Settings

Character Encoding Type: UTF8

Save Component Settings

FSC

- **Step 13:** Select **FSC** and on the right side Click on the **eye** button to view more options.

The screenshot shows the 'Deploy Software' overview page. On the left, a 'Selected Components' table lists various software components with their status (e.g., Corporate Server at 100%, Database Server at 100%, FSC at 81%, etc.). The 'FSC' row is highlighted with a blue background. On the right, a detailed configuration panel for the 'FSC' component is displayed. It includes sections for 'Machine' (Machine Name: INPUN0232NB, OS: wntx64) and 'General Settings' (Teamcenter Installation Path: D:\Soft\Teamcenter\TC_ROOT, FSC Server ID: FSC_INPUN0232NB_IZD01installuser). A large 'Save Component Settings' button is located at the bottom right of this panel.

- **Step 14:** Click on **Save Component Settings**.

This screenshot is identical to the previous one, showing the 'Deploy Software' overview with the 'FSC' component selected. The configuration panel on the right is also identical, showing the 'Machine' and 'General Settings' sections. The 'Save Component Settings' button is highlighted with a yellow background, indicating it is the next step to be taken.

FSC Keys

- **Step 15:** Select **FSC Keys** and use **infodba** as key store password and then Click on **Save Component Settings**.

The screenshot shows the 'Deploy Software Overview' interface. On the left, a 'Selected Components' list includes 'FSC', 'FSC Group', 'FSC Keys' (selected), 'Indexer', 'Indexing Engine', 'Licensing Server', 'Microservice Node', 'Rich client four-tier', 'Server Manager', and 'Server Manager Cluster'. The 'FSC Keys' row shows a status of 'Start'. On the right, the 'FSC Keys' configuration panel is open. It displays the 'Status: Installed' message and the 'General Settings' section, which contains a note about generating new keys if using out-of-the-box keys. Under 'Key Generation Options', there is a radio button for 'Generate New Keys'. The 'Key Store Password' field is filled with 'infodba', and the 'Confirm Key Store Password' field also contains 'infodba'. Below these fields is the 'FSC Key Options' section, which provides a detailed explanation of FMS keys. At the bottom of the panel are 'Save Component Settings' and 'Cancel' buttons.

Deploy Software Overview

1 Software > 2 Options > 3 Applications > 4 Components > 5 Deploy

Selected Components

Component	Type	Status	Progress (%)	Action
FSC		INPUN0232NB	100%	
FSC Group		fsc	100%	
FSC Keys		fsc	Start	
Indexer		INPUN0232NB	100%	
Indexing Engine		INPUN0232NB	57%	
Licensing Server			Start	
Microservice Node		INPUN0232NB	95%	
Rich client four-tier		INPUN0232NB	100%	
Server Manager		INPUN0232NB	100%	
Server Manager Cluster				

FSC Keys

Status: Installed

General Settings

Generate new keys if you are using the out of the box keys and not your own keys. If you are using your own keys, then generating new keys will replace your existing keys.

Key Generation Options

Generate New Keys

Key Store Password
.....

Confirm Key Store Password
.....

FSC Key Options

FMS keys are used to sign the tickets, to verify identity of the ticket issuer. Symmetric key uses the same key for all Teamcenter sites. While this provides high security, sometimes even higher security may be needed. Use the

Save Component Settings

Indexing Engine

- **Step 15:** Select **Indexing Engine** and on the right side Click on the **eye** button to view more options.

The screenshot shows the 'Deploy Software' interface in progress. The navigation bar at the top indicates steps 1 Software, 2 Options, 3 Applications, 4 Components, and 5 Deploy. The main area is titled 'Selected Components' and lists several components: Indexer, Indexing Engine, Licensing Server, Microservice Node, Rich client four-tier, Server Manager, Server Manager Cluster Configuration, Teamcenter Client Communication System, and Teamcenter Web Tier (Java EE). The 'Indexing Engine' component is currently selected, highlighted with a blue border. On the right side, there is a detailed configuration panel for the 'Indexing Engine'. It includes sections for 'Active Workspace Indexing Service' (with an 'eye' icon), 'Indexing Engine Settings' (with an 'Indexing Engine URL' field containing 'http://INPUN0232NB:8983/solr' and a checkbox for 'Use additional search engine URLs'), and 'Indexing Engine User' (with fields for 'User' (solr_admin), 'Password' (redacted), and 'Confirm Password' (redacted)). A 'Save Component Settings' button is located at the bottom right of this panel.

- **Step 16:** Click on **Save Component Settings**.

This screenshot shows the same 'Deploy Software' interface after the 'Save Component Settings' step has been completed. The 'Indexing Engine' component is still selected. The configuration panel on the right now shows the 'Indexing Engine Service Settings' section, which includes an 'Operating System User' section with a checked checkbox for 'Install Indexing Engine as a Service?' and fields for 'User' (IZD01\installuser), 'Password' (redacted), and 'Confirm Password' (redacted). A 'Save Component Settings' button is visible at the bottom right of the configuration panel.

Licensing Server

- Step 17: Select **Licensing Server** and provide **10.0.0.13** as license machine name and then Click on **Save Component Settings**.

The screenshot shows the 'Deploy Software' interface in progress, specifically the 'Overview' step. On the left, a 'Selected Components' list includes various server components: Indexer, Indexing Engine, Licensing Server, Microservice Node, Rich client four-tier, Server Manager, Server Manager Cluster Configuration, Teamcenter Client Communication System, and Teamcenter Web Tier (Java EE). The 'Licensing Server' component is highlighted with a blue selection bar. On the right, a detailed view for the 'Licensing Server' shows its status as 'Installed'. Under the 'Machine' section, the 'Machine Name' is set to '10.0.0.13'. In the 'General Settings' section, the 'Teamcenter Licensing Port' is set to '28000'. At the bottom right, there is a 'Save Component Settings' button.

Microservice Node

- Step 18: Select **Microservice Node** and on the right side Click on the **eye** button to view more options and set Keystore Password as “infodba” and then Click on **Save Component Settings**.

The screenshot shows the 'Deploy Software' interface in progress, specifically the 'Overview' step. On the left, a 'Selected Components' list includes various server components: Indexer, Indexing Engine, Licensing Server, Microservice Node, Rich client four-tier, Server Manager, Server Manager Cluster Configuration, Teamcenter Client Communication System, and Teamcenter Web Tier (Java EE). The 'Microservice Node' component is highlighted with a blue selection bar. On the right, a detailed view for the 'Microservice Node' shows its status as '95%'. Under the 'Master Settings' section, the 'Keystore Password' field contains '.....'. Under the 'Gateway Settings' section, there are three radio button options: 'Direct communication through Teamcenter Webtier' (selected), 'Communication through Load Balancer', and 'Override connection'. At the bottom right, there is a 'Save Component Settings' button.

Server Manager Cluster Configuration

- Step 19: Select **Server Manager Cluster Configuration** and on the right side Click on the **eye** button to view more.

The screenshot shows the 'Deploy Software' Overview page. The 'Selected Components' list includes several items: Indexer, Indexing Engine, Licensing Server, Microservice Node, Rich client four-tier, Server Manager, and Server Manager Cluster Configuration. The 'Server Manager Cluster Configuration' item is highlighted with a blue selection bar and has the status 'Start'. On the right, the 'Server Manager Cluster Configuration' configuration panel is displayed. It contains fields for 'Machine Name' (set to 'INPUN0232NB'), 'OS' (set to 'wntx64'), 'Server Manager Cluster ID' (set to 'TcCluster'), and 'Server Manager Database Creation Settings'. A radio button option 'Create new database for the Server Manager Cluster' is available, but the 'Use an existing database for the Server Manager Cluster' option is selected, with a note stating 'Deployment Center will not create Server Manager Cluster database with this'. A 'Save Component Settings' button is at the bottom right of the panel.

- Step 20: Set Database user as **system** and provide password as **infodba** and then Click on **Save Component Settings**.

This screenshot is similar to the previous one but shows the 'Database User' section of the configuration panel being edited. The 'Service' field is set to 'TCBT141'. In the 'Database User' section, the 'User' field is set to 'system', and both the 'Password' and 'Confirm Password' fields contain the value 'infodba'. The 'Save Component Settings' button is visible at the bottom right of the configuration panel.

Teamcenter Web Tier (Java EE)

- Step 21: Set 4-Tier communication Port as 8091.

The screenshot shows the 'Deploy Software Overview' interface. The 'Selected Components' table lists several components, with 'Teamcenter Web Tier (Java EE)' selected. In the 'General Settings' section, the 'Teamcenter Installation Path' is set to 'D:\Soft\Teamcenter\TC_ROOT'. Under '4-Tier Communication Settings', the 'Protocol' is set to 'http' and the 'Port' is set to '8091', which is highlighted with a red box. The 'Teamcenter 4-tier URL' field contains 'http://<Web App Server Machine Name>:8091/tc'. At the bottom, there are 'Remove Selected Components', 'Start Configuration', and 'Save Component Settings' buttons.

- Step 21: Enter your Machine name and then Click on **Save Component Settings**.

The screenshot shows the 'Deploy Software Overview' interface. The 'Selected Components' table lists several components, with 'Teamcenter Web Tier (Java EE)' selected. In the 'Teamcenter Web Tier (Java EE)' configuration panel, the 'Web App Server Machine Name' field is highlighted with a red box, showing the value 'INPUN0232NB'. Other fields include 'Application Name' (Teamcenter1), 'JMX RMI Port' (8089), and 'Server Manager(s)' sections for 'Override connection', 'Machine Name' (INPUN0232NB), and 'Assignment Service port' (8086). At the bottom, there is a 'Save Component Settings' button.

Active Workspace Gateway

- Step 22: In Gateway Setting select **http & Use Assigned FSC URLs** and then Click on **Save Component Settings**.

The screenshot shows the 'Deploy Software' interface with the 'Overview' tab selected. A progress bar at the top indicates steps 1 Software, 2 Options, 3 Applications, 4 Components, and 5 Deploy. On the left, a 'Selected Components' table lists several software components with their status (e.g., INPUN0232NB, 100%, 84%). The 'Active Workspace Gateway' component is highlighted. On the right, the 'Active Workspace Gateway' configuration panel is shown. It includes fields for 'TLS key file path' (empty), 'Gateway URL' (set to `http://INPUN0232NB:3000/`), and 'Volume Connection Settings' (radio button selected for 'Use Assigned FSC URLs'). Buttons for 'Save Component Settings' and 'Start Configuration' are at the bottom.

Server Manager

- Step 22: Select Startup Mode as **Service/Daemon** and then Click on **Save Component Settings**.

The screenshot shows the 'Deploy Software' interface with the 'Overview' tab selected. A progress bar at the top indicates steps 1 Software, 2 Options, 3 Applications, 4 Components, and 5 Deploy. On the left, a 'Selected Components' table lists various server components with their status (e.g., INPUN0232NB, 100%). The 'Server Manager' component is highlighted. On the right, the 'Server Manager' configuration panel is shown. It includes fields for 'Assignment Service port' (set to 8086), 'Server Host' (empty), 'Maximum Servers in the Sub-Pool' (set to 30), 'Minimum Warm servers' (set to 1), 'Server Target' (set to 0700 3,1700 2), 'Logins per Minute' (set to 0), and 'Startup Mode' (radio button selected for 'Service / Daemon'). Buttons for 'Save Component Settings' and 'Go to Deploy' are at the bottom.

- **Step 23:** You can change log location for **Server Manager** and then after all changes click on **Go to Deploy**.

Deploy Software Overview

1 Software > 2 Options > 3 Applications > 4 Components > 5 Deploy

Selected Components

Component	Location	Status	Action
Indexer	INPUN0232NB	100%	Edit
Indexing Engine	INPUN0232NB	100%	Edit
Licensing Server	10.0.0.13	100%	Edit
Microservice Node	INPUN0232NB	100%	Edit
Rich client four-tier	INPUN0232NB	100%	Edit
Server Manager	INPUN0232NB	100%	Edit
Server Manager Cluster Configuration	INPUN0232NB	100%	Edit
Teamcenter Client Communication System	INPUN0232NB	100%	Edit
Teamcenter Web Tier (Java EE)	INPUN0232NB	100%	Edit

Server Manager

Override connection
 Machine Name: INPUN0232NB

SSL Configuration
 Enable SSL

Custom Base Log File Location Setting
This custom base log file location allows you to configure your preferred base log file location for business logic servers, the server manager, the web tier and other components. This will create the environment variable **SIEMENS_LOGGING_ROOT** and set it to your preferred base log file location.
If this custom base log file location is not set, the default base log file location for Windows is %USERPROFILE%\Siemens\logs, and for Linux is \$HOME/Siemens/logs.

Custom base log file location: D:\Soft\Teamcenter\Siemens\logs

Save Component Settings

- **Step 24:** Now click on **Generate Install Scripts**.

Deploy Software Overview

1 Software > 2 Options > 3 Applications > 4 Components > 5 Deploy

Generate Install Scripts

The "Generate Install Scripts" button below will generate all the scripts necessary to deploy "Teamcenter Active Workspace 6.3.1, Teamcenter Foundation 14.3, Teamcenter Microservice Framework 6.3.1" software into the "Env_001" environment. The scripts will be generated based on the configurations provided in the Components task. Click the "Generate Install Scripts" button to proceed or if a correction is needed, go back to the Components task and change the configurations. Then return here to "Generate Install Scripts".

Generate Install Scripts

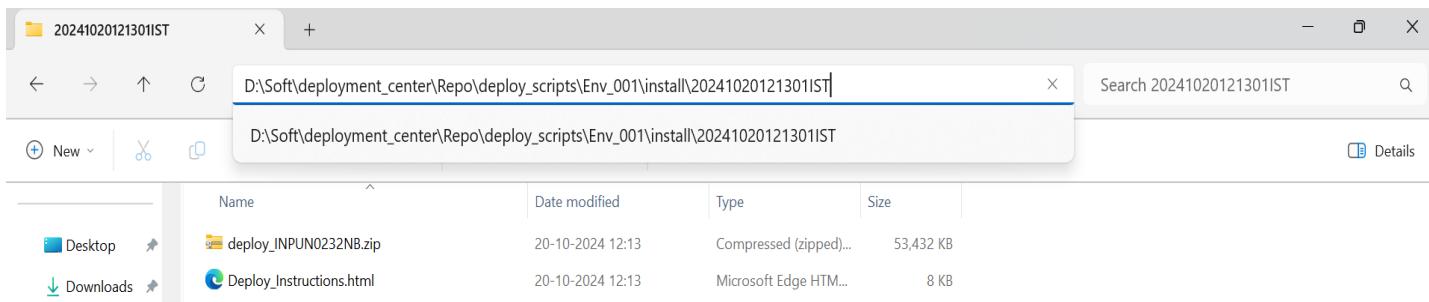
- **Step 25:** After that, on the right side, a deployment zip file will be generated at the highlighted location.

The screenshot shows the 'Deploy Software' Overview page. At the top, there is a navigation bar with steps: 1 Software, 2 Options, 3 Applications, 4 Components, and 5 Deploy. The '5 Deploy' step is currently active. Below the navigation bar, there are two main sections: 'Generate Install Scripts' and 'Deploy Instructions'.

Generate Install Scripts: This section contains a note about generating scripts for Teamcenter Active Workspace 6.3.1, Teamcenter Foundation 14.3, and Teamcenter Microservice Framework 6.3.1 software into the "Env_001" environment. It includes a 'Generate Install Scripts' button.

Deploy Instructions: This section includes a 'Software Needed For Install' table and a 'Deploy Script Directory' table. The 'Software Needed For Install' table lists required software: Teamcenter Active Workspace 6.3.1, Teamcenter Foundation 14.0, Teamcenter Foundation 14.3, and Teamcenter Microservice Framework 6.3.1. The 'Deploy Script Directory' table shows the zip files generated: 'deploy_INPUN0232NB.zip' for 'Target Machine' INPUN0232NB and 'Active Workspace Client Builder' for 'Component' Active Workspace Client Builder.

- **Step 26:** Copy that location, open it in your file explorer, and unzip the file.



- **Step 27:** Copy unzipped folder location, open it in through **Admin CMD** and to start the deployment of TC_14.3 run command :

```
deploy.bat -dcusername=infodba -dcpassword=infodba -
softwareLocation=D:\Soft\deployment_center\Repo\software.
```

A screenshot of an Admin CMD window. The command 'pushd D:\Soft\deployment_center\Repo\deploy_scripts\Env_001\install\20241020121301IST\deploy_INPUN0232NB' is entered in the command line. The output shows the command being run: 'D:\Soft\deployment_center\Repo\deploy_scripts\Env_001\install\20241020121301IST\deploy_INPUN0232NB>deploy.bat -dcusername=infodba -dcpassword=infodba -softwareLocation=D:\Soft\deployment_center\Repo\software.'

[Note: If any error throws you can go to Errors page at the last of this document.]

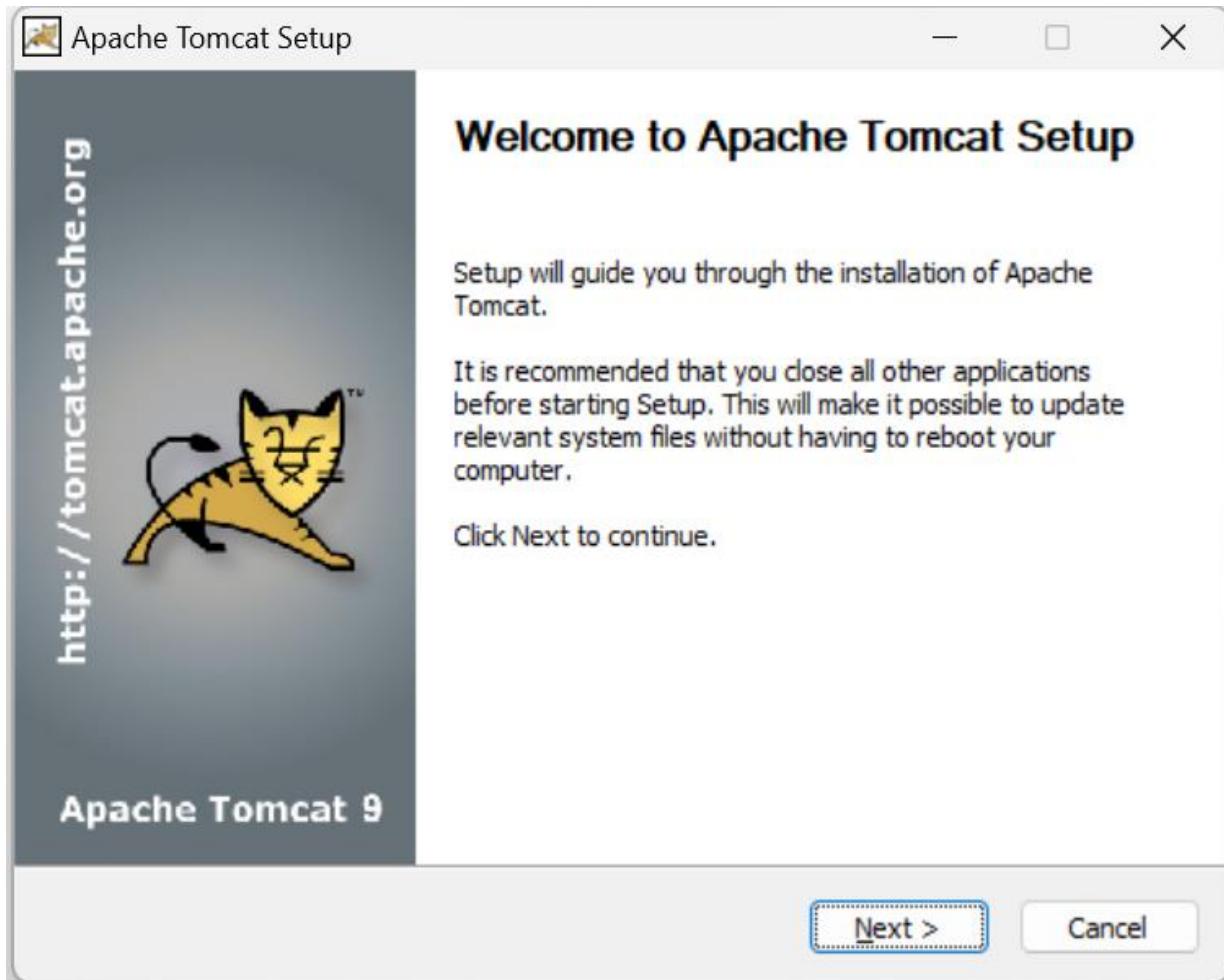
Apache-tomcat-9.0.96 Installation:

- Step 1: Run apache-tomcat-9.0.96.exe through Admin CMD.

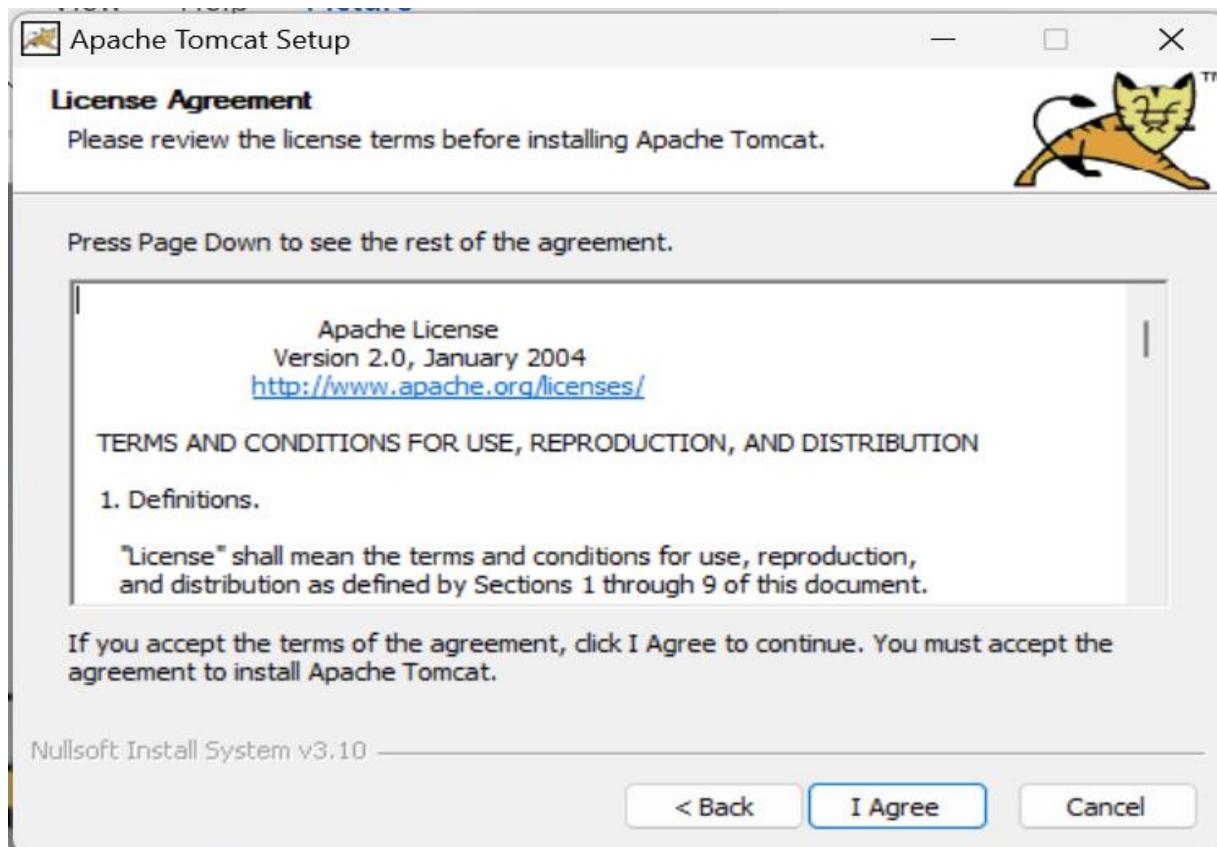
```
c:\ Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>pushd D:\TC14.3_setup
D:\TC14.3_setup>apache-tomcat-9.0.96.exe
```

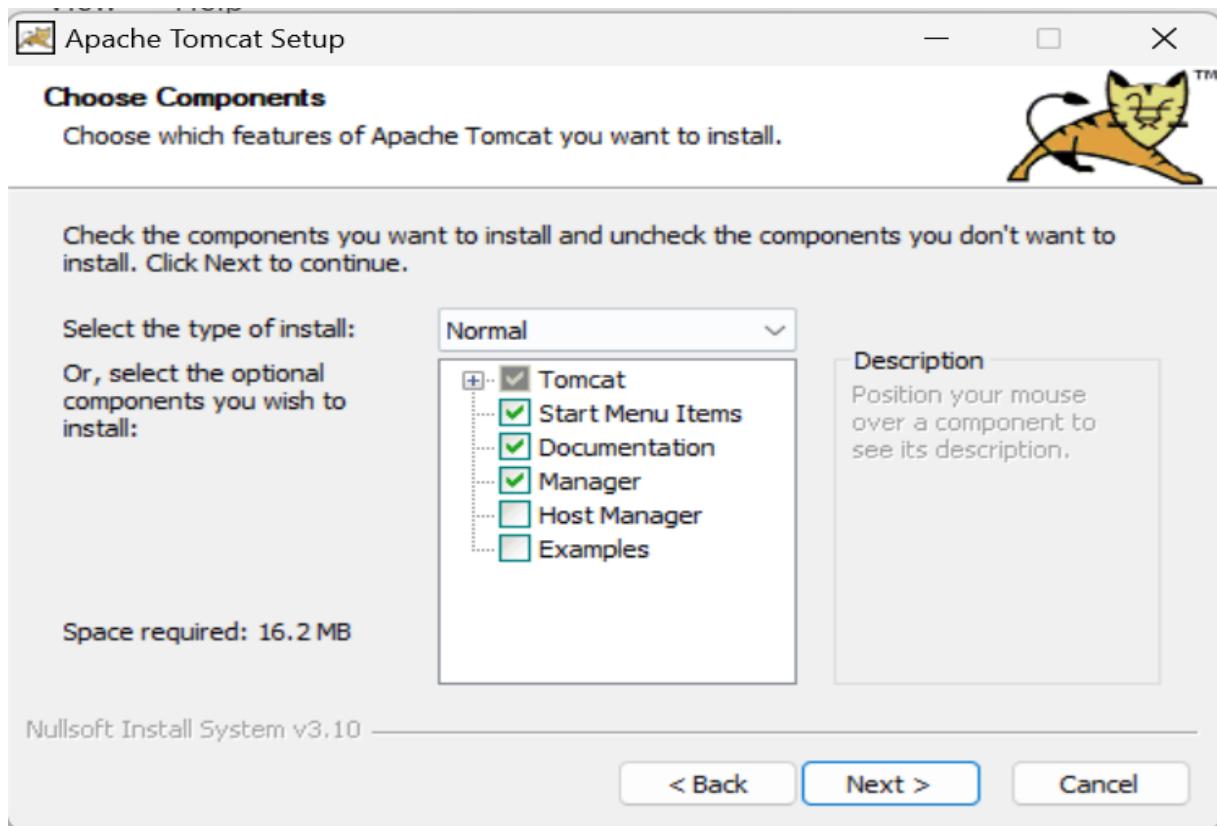
- Step 2: Click on Next.



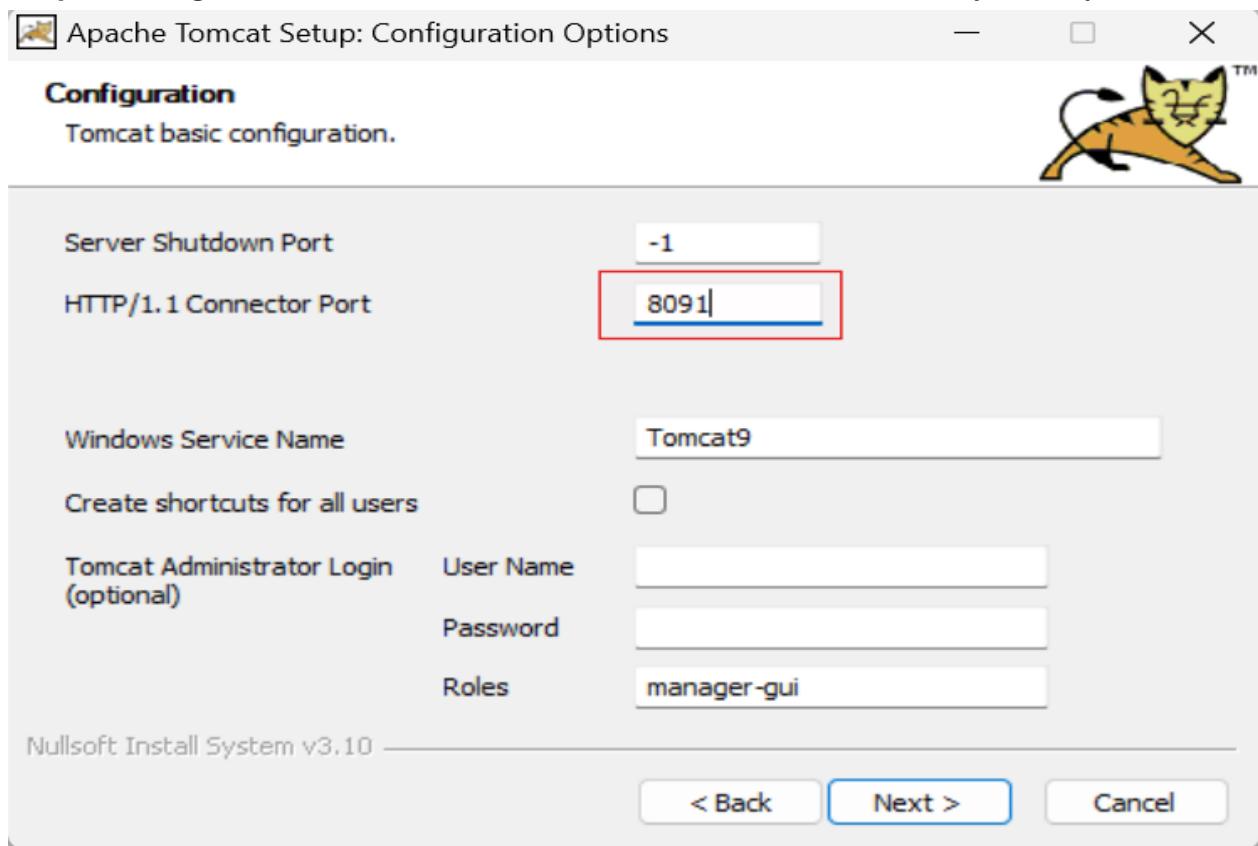
- Step 3: Click on I Agree.



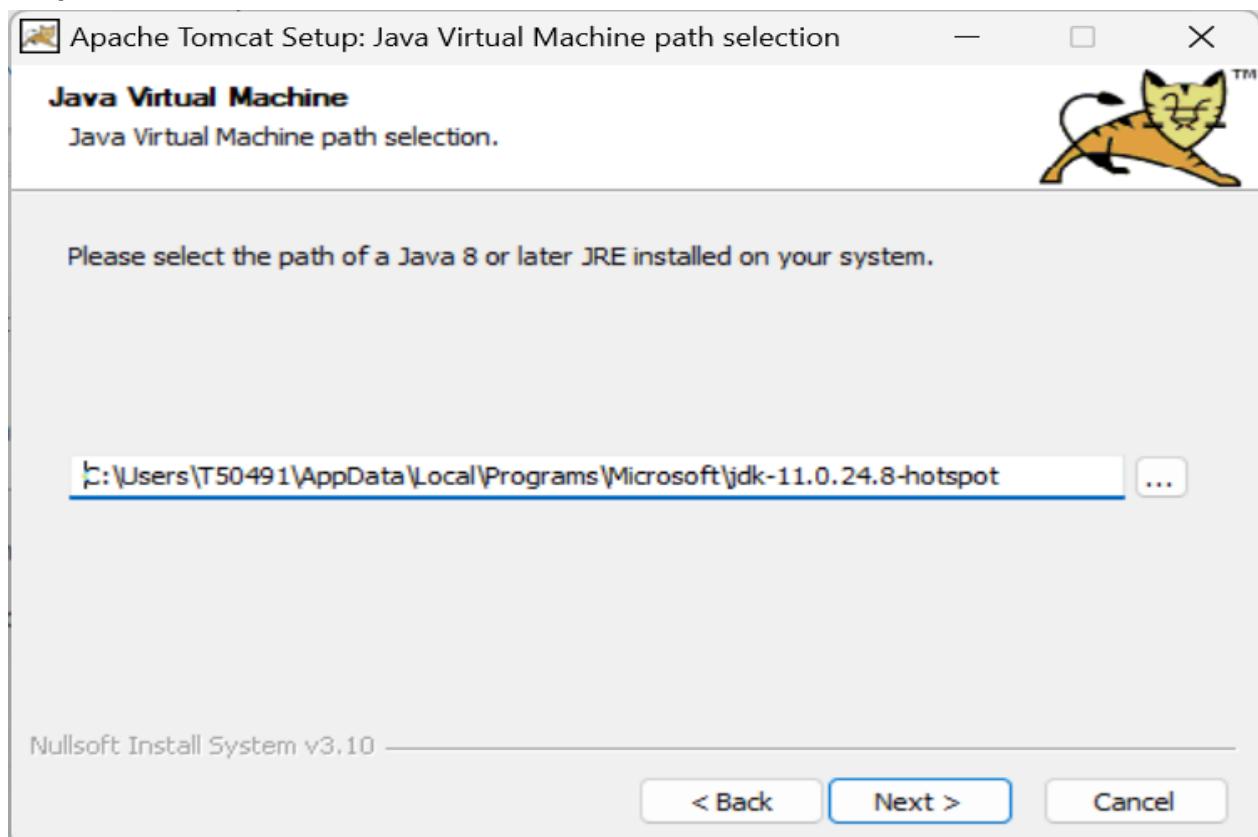
- Step 4: Click on Next.



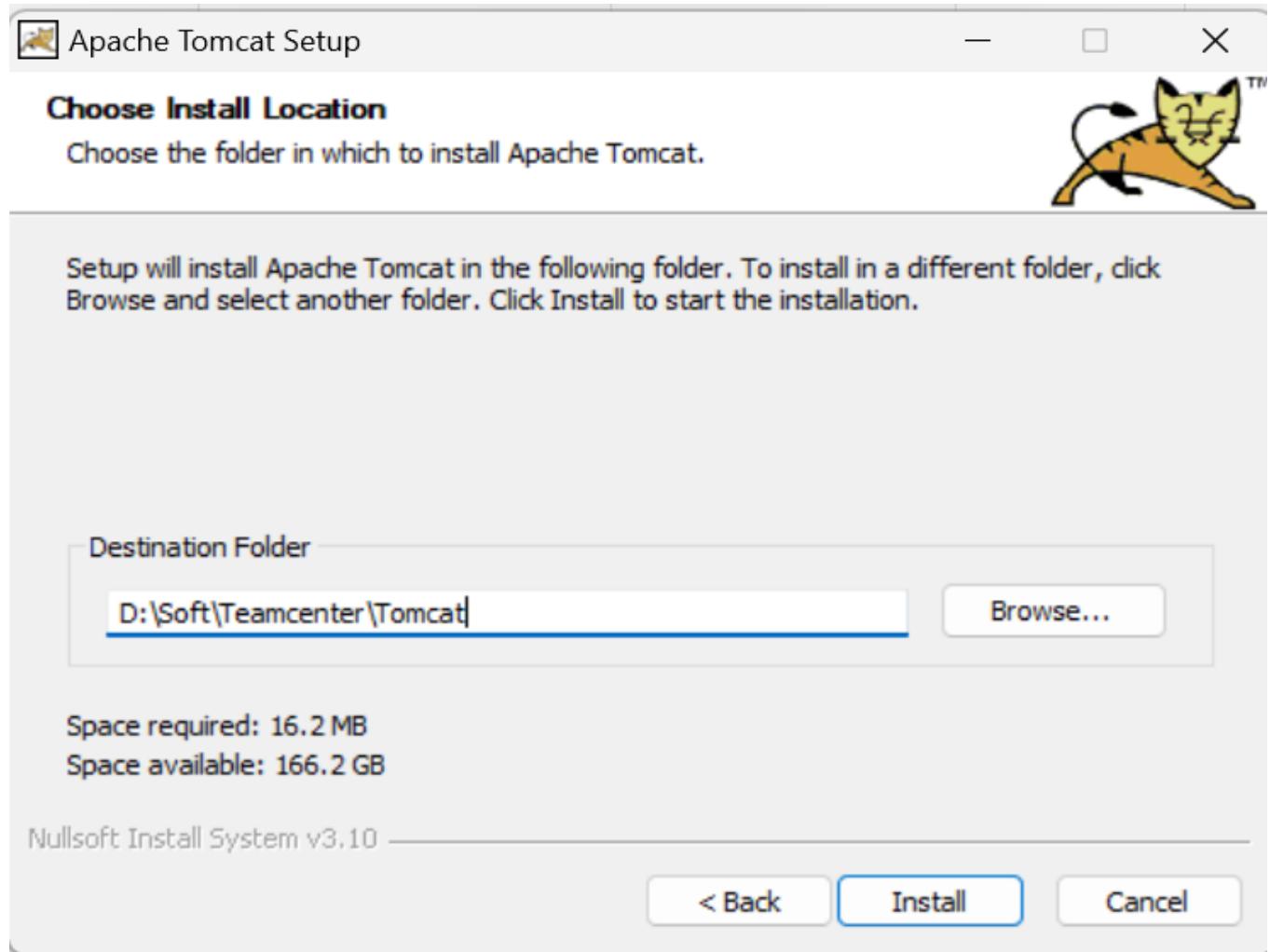
- **Step 5:** Change Connector Port to the same as Teamcenter Web Tier (Java EE) Port and Click on Next.



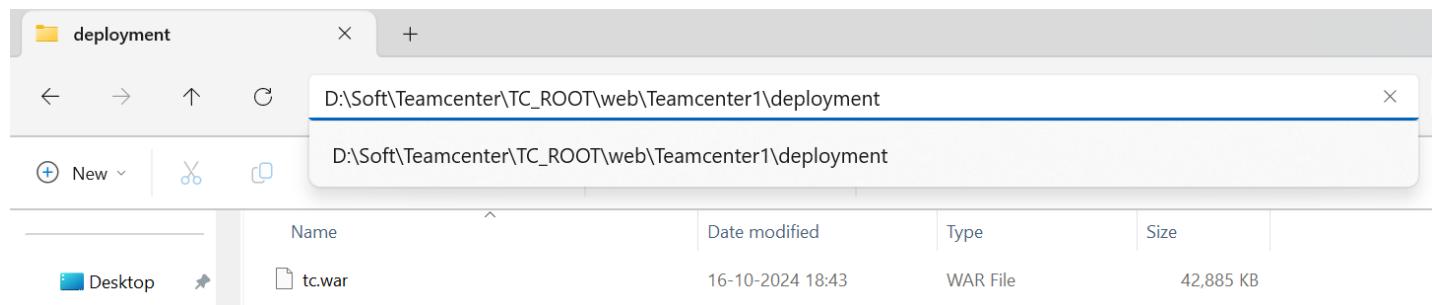
- **Step 6:** Click on Next.



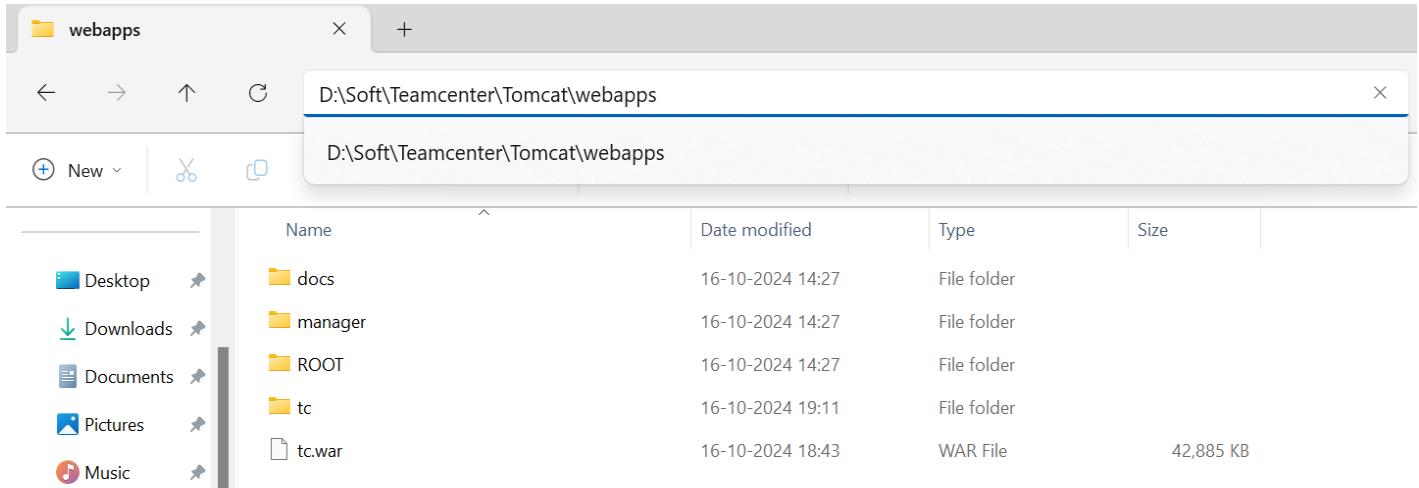
- **Step 7:** Click on **Install**.



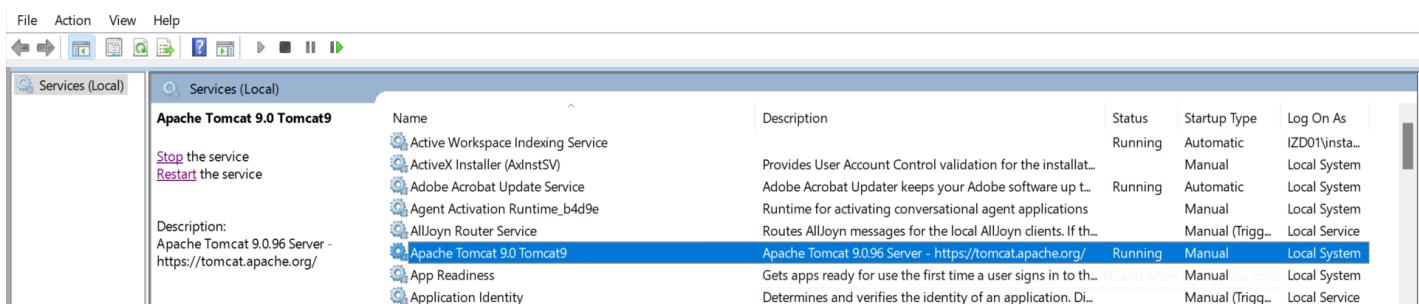
- **Step 8:** Now at location “D:\Soft\Teamcenter\TC_ROOT\web\Teamcenter1\deployment” you can find **tc.war** file generated after successful installation of Teamcenter through DC, Copy this war file.



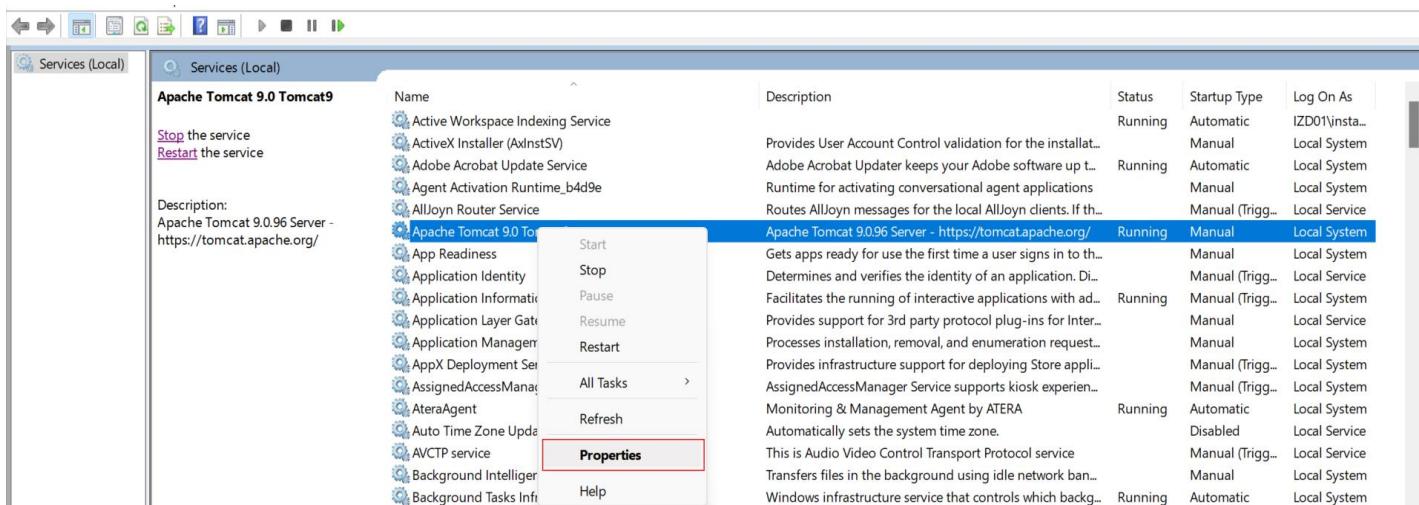
- **Step 9:** Paste copied tc.war file to “D:\Soft\Teamcenter\Tomcat\webapps” location.



- **Step 10:** After installation of apache-tomcat in **Services** you can find one new service must have created with name “**Tomcat9**”.



- **Step 11:** Right click on **Tomcat9** and go to properties.



- **Step 12:** Make sure you select **Local System account** for option “Log on as” for starting services from **Services panel**.

Apache Tomcat 9.0 Tomcat9 Properties (Local Computer)

X

General Log On Recovery Dependencies

Log on as:

Local System account

Allow service to interact with desktop

This account:

Browse...

Password:

Confirm password:

OK

Cancel

Apply

ERRORS:

- While running the deployment script, if you find any error, then go to the highlighted syslog location and open it.

```
cmd Select Administrator: C:\Windows\system32\cmd.exe
Deploy Task: 14 of 78 Package --> Microservice Parameter Store --> fnd0_microserviceArtifact --> postDatabaseUpdate...Success
Deploy Task: 15 of 78 Package --> Teamcenter GraphQL Service --> fnd0_microserviceArtifact --> postDatabaseUpdate...Success
Deploy Task: 16 of 78 Package --> Declarative Artifact Service --> fnd0_microserviceArtifact --> postDatabaseUpdate...Success
Deploy Task: 17 of 78 Package --> Teamcenter Read Expression Manager Service --> fnd0_dataModelArtifact --> installDBServices...Success
Deploy Task: 18 of 78 Component --> Active Workspace Client Builder --> aws2_clientBuilderArtifact --> smokeTests...Success
Deploy Task: 19 of 78 Component --> Indexing Engine --> aws2_indexingEngineArtifact --> smokeTests...Success
Deploy Task: 20 of 78 Component --> Active Workspace Gateway --> fnd0_processManagerArtifact --> smokeTests...Success
Deploy Task: 21 of 78 Component --> Microservice Node --> fnd0_microserviceArtifact --> postMaintenanceUpdate...Success
Deploy Task: 22 of 78 Component --> Teamcenter Web Tier (Java EE) --> fnd0_jzeeWebtierArtifact --> finalization...Success
Deploy Task: 23 of 78 Component --> Corporate Server --> fnd0_dataModelArtifact --> finalization...Success
Deploy Task: 24 of 78 Component --> Server Manager --> fnd0_serverManagerArtifact --> finalization...Success
Deploy Task: 25 of 78 Component --> Server Manager --> fnd0_serverpoolDBConfigArtifact --> finalization...Success
Deploy Task: 26 of 78 Component --> FSC --> fnd0_fscArtifact --> finalization...Success
Deploy Task: 27 of 78 Component --> Microservice Node --> fnd0_microserviceArtifact --> finalization...Success
Deploy Task: 28 of 78 Component --> Active Workspace Client Builder --> aws2_clientArtifact --> finalization...

## Error while executing deployment actions for Active Workspace Client Builder-->finalization Failed

Location of attempted software installed/updated directory: [D:\Soft\Teamcenter\TC_ROOT]

Deployment Log File Location: D:\Soft\deployment_center\Repo\deploy_scripts\AWC_TC14_4T\install\20241014151748IST\deploy_INPUN0232NB\logs\deployer_2024-10-14_17_08_40.log

#####
Status: Deploy Script Execution Failed #####
#####

Please review the above log file to find the failed step and identify the issue.
If the issue can be fixed on this machine, fix the issue then rerun this deploy script again.
If to fix the issue you must go back to the Deployment Center and update a field,
then update the field in the Deployment Center, regenerate the deploy script, and execute the new script on this machine.

When re-running the deploy script after a failed deploy, the script will not re-deploy any components that were already successfully deployed.
The deploy script will start at the failed deploy step and continue forward from that step to complete.

D:\Soft\deployment_center\Repo\deploy_scripts\AWC_TC14_4T\install\20241014151748IST\deploy_INPUN0232NB>cd deploy_INPUN0232NB
```

- If you move to the End of the file, you can find the error why your deployment failed, here **Due to no gateway available**, deployment failed.

```
deployer_2024-10-14_17_08_40.log
2569 [17:16:52] [31merror[39m: + go away.@[0m
2570 [17:18:55] [32minfo@[39m: + Compiled with warnings.
2571 [17:18:55] [32minfo@[39m: + Critical dependency: the request of a dependency is an expression
2572 [17:18:55] [32minfo@[39m: + Search for the keywords to learn more about each warning.
2573 [17:18:55] [33mwarn@[39m: production build complete with issues (2.18 min)
2574 [17:19:01] [32minfo@[39m: Successful (2.62 min)
2575
2576 > active-workspace@6.3.1 publish
2577 > node build/js/publishToGateway.js
2578
2579 [17:19:07] [31merror[39m: Error: No gateway available at [http://INPUN0232NB:3000] - connect ECONNREFUSED fe80::e90a:a94c:f5f6:aab:3000
2580 publish error
2581
2582 Mon Oct 14 17:19:07 IST 2024 Execution of "EXEC" task failed with exec returned: 1
2583
2584 Mon Oct 14 17:19:07 IST 2024 Execution of "IF" task failed with exec returned: 1
2585
2586 Mon Oct 14 17:19:07 IST 2024 Execution of "IF" task failed with exec returned: 1
2587
2588 Mon Oct 14 17:19:07 IST 2024 Execution of "finalization" target of "Feature/Artifact: aws2_client_builder (H0H5CI51EEQ0F8XBEWJIHGII3JLG88IJ) - ArtifactType( aws2_clientArtifact ) failed with exec returned: 1
2589
2590 End Time: Mon, Oct 14 2024 05:19:07 PM
2591 Duration: 195.7220 seconds (3.2620 minutes)
2592
2593 #####
2594 Status: Failed #####
```

Solution

- Go to **Active Workspace Client Builder** and Uncheck **Publish Active Workspace Client assets** and then Click on **Go to Deploy**.

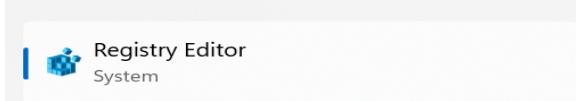
The screenshot shows the 'Deploy Software Overview' interface. On the left, a table titled 'Selected Components' lists various software components with their status (e.g., 100% complete). On the right, the 'Active Workspace Client Builder' configuration panel is displayed, showing fields for 'Machine Name' (set to 'INPUN0232NB') and 'OS' (set to 'wntx64'). Under 'General Settings', there is a checkbox for 'Publish Active Workspace Client assets', which is currently unchecked. The 'Go to Deploy' button at the bottom of the main panel is highlighted with a red box.

- Click on **Generate Install Scripts** and redeploy the TC14 deployment command from the new script generated by the above modification.

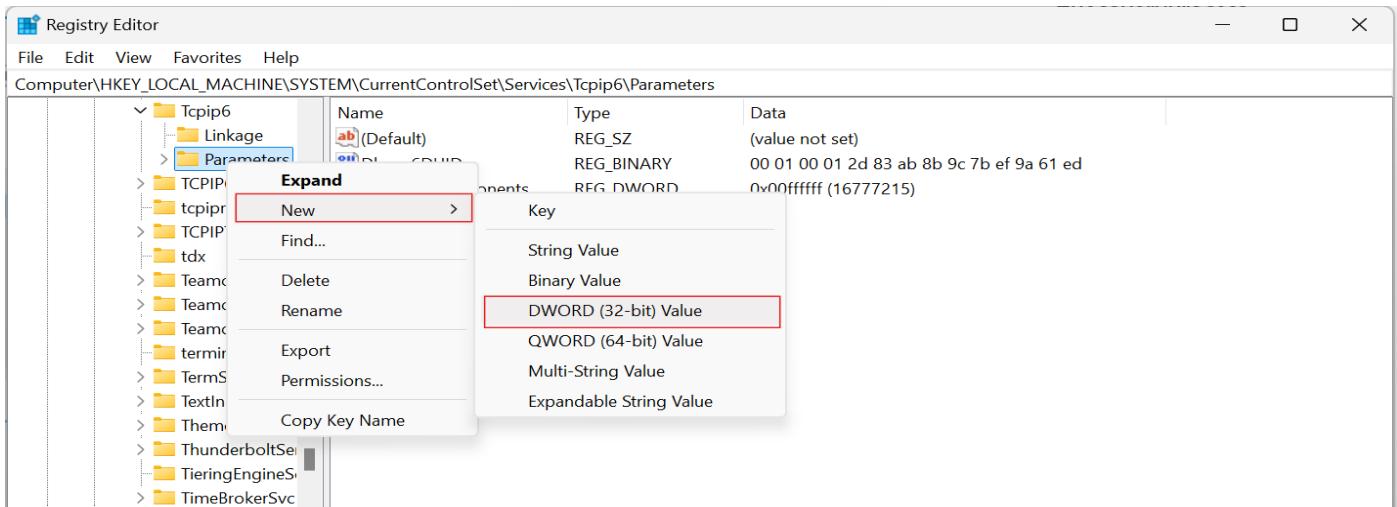
The screenshot shows the 'Deploy Software Overview' interface again. On the left, the 'Generate Install Scripts' section is visible, containing a description of what the button does and a 'Generate Install Scripts' button. This button is highlighted with a red box. On the right, the 'Deploy Instructions' section provides details about required software and deployment scripts. The 'Deploy Script Directory' section specifies the location of generated zip files. The 'Deploy Scripts' section lists the generated zip files, target machines, and component(s) for each.

- Let the deployment be completed.

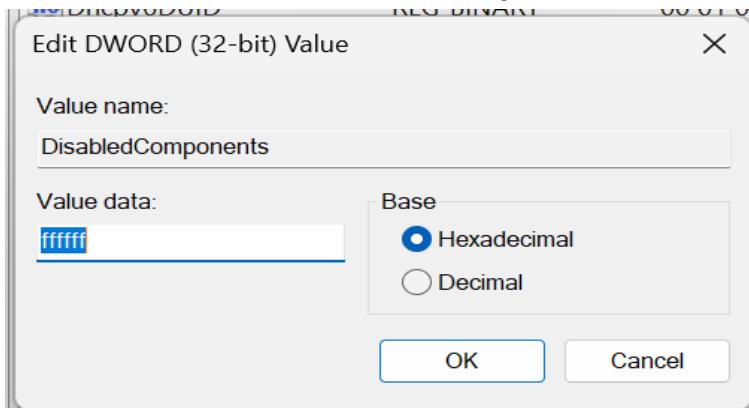
- Now Open the registry editor from windows and create the new parameters.



- Go to "Computer\HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip6\Parameters" then right click on parameter - > New -> DWORD (32 bit) Value



- Give Value name as "**DisabledComponents**" and Value data as "**fffff**" and then click OK.



- Reboot the System, go to "D:\Soft\Teamcenter\TC_ROOT\aws2\stage" location using **CMD** and run **initenv.cmd** and then **awbuild.cmd**.

```
Administrator: C:\Windows\system32\cmd.exe
Microsoft Windows [Version 10.0.22631.4037]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>pushd D:\Soft\Teamcenter\TC_ROOT\aws2\stage
D:\Soft\Teamcenter\TC_ROOT\aws2\stage>initenv.cmd
```

- It will publish the gateway and allow to login to AWC 6.3 using URL **http://localhost:3000**.