

# AWC Deployment Instruction (Windows)

May 2017



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### 1 System Overview

### 1.1 SOURCE SYSTEM ARCHITECTURE



### **1.2 TARGET SYSTEM ARCHITECTURE**



- AWC Client may be any machine on the testing network.
- AWC Client build machine is not covered in this document, should be a 64-bit machine with at least 8G-memory.

### 1.3 SOFTWARE AND HARDWARE

N/A

### 2 Installation

### 2.1 INSTALLING SERVER EXTENSIONS

### 2.1.1 Installation Process Overview



### 2.1.2 Prerequisites



#### Prerequisites:

Java	• JRE64_HOME=C:\apps\java\jre7	tc10win
	<ul> <li>JAVA_HOME=C:\apps\java\jdk1.7.0_45</li> </ul>	
solr	• url: <u>http://tc10sit:8983/solr</u>	
	<ul> <li>user/password: solr_admin/solr_admin</li> </ul>	

#### 2.1.3 Install AWC2.4 Patch on Teamcenter Servers



Installation steps:

- Log on to tc10win as infodba/infodba.
- ➢ Start TEM

<mark>} install</mark>	10 • install • •	<b>Open</b> Edit	-	
Organize ▼ 🖬 Open Share with ▼	Print New folder	Print Run as administrator 3	= -	1
Program Files (x86)	Name *	Edit with Vim	ed	Туре
	🍺 temp 🌗 ziplist	Share with Restore previous versions	:21 AM :31 AM	File 1 File 1
🚺 nfodba	configuration	Send to	:14 PM	XML
teamcenter:0	configuration 1604081712	Cut Copy	12 PM	XML
bin 1	configuration 1604081714	Create shortcut	:14 PM	XML
include	install_tc10svrw_1604081	Delete Rename	:12 PM	Text
include_pp	install_tc10svrw_1604081	Properties	:14 PM	Text
install	🖾 tem 2	2/7/2016	3:22 AM	Wind
19n_cots	temick	4/11/2016	5 3:37 PM	LCK

➤ In the User Account Control dialog window, clickYes.

😌 User	Account Control
•	Do you want to allow the following program to make changes to this computer?
	Program name: Windows Command Processor Verified publisher: Microsoft Windows
•	Show details

> In the Maintenance dialog window, check Update Manager, then Next.





In the Apply Updates window, for the Update kid location browser and select C:\disk\Tc10.1.4\_ ActiveWorkspace2.4.1\_wntx64\wntx64, then Next.



Stop all the Teamcenter processes or services (except for FSC), then click Close in the Status Message dialog window.

Status Message SIEMENS	×
Apply Updates	
Additional Patch Information Before proceeding with the current update, be advised that The Environment Manager will stop all Teamcenter services that are currently running in order to complete the update process. However, once this process is complete, these services will be restarted once again. Anyone that is currently using the Teamcenter environment should be notified that it will be unavailable during the update process. By clicking the 'Close' button, you have acknowledged that you have read and understand this information.	
Cic	▼ se

> In the Operating System User dialog window, type infodba for password box, then Next.





In the Teamcenter Administrative User dialog window, type infodba for both the User box and Password box, then Next.



➢ In the Confirmation box, click Start.



In the Update Features dialog window, the status bar appears indicting the update is in the process.



▶ Update %TC\_DATA%, then click Close in the Status Message box.



• Backup %TC\_DATA%

🕌 infodba						
Computer ▼ Local Disk (C:) ▼ siemens ▼ infodba ▼						
Organize 🔻 🔚 Open Include in library 🔻 Share with 🔻 New folder						
🔆 Favorites	Name *	Date modified				
📃 Desktop	퉬 tcdata	6/2/2016 7:10 PM				
Downloads	📕 tcdata - Copy	6/2/2016 7:24 PM				
🕍 Recent Places	퉬 teamcenter 10	6/2/2016 5:54 PM				
📜 Libraries	teamcenter 10_0	6/2/2016 6:00 PM				
Documents	🛃 transientVolume_infodba	2/16/2016 1:17 PM				

### • Unzip data.zip to %TC\_DATA%

📙 tc					
Organize 🔻 🛜 Open 🔻 Share with 🔻 New folder					
퉬 disk		Name *	Date modified		
퉬 cygwin	ľ	🚹 Cm1cmaws_template	7/1/2015 5:23 AM		
퉬 orade11gR2		🜗 crt1validationcontractaw_icons	6/30/2015 9:38 AM		
Jc10.1.0_pub		crt 1validationcontractaw_install	7/1/2015 5:23 AM		
JC10.1.0_win64		trt1validationcontractaw_rtserver	7/1/2015 5:24 AM		
Tc10.1.4_ActiveWorkspace2.4.1_wntx64			7/1/2015 5:23 AM		
🎍 wntx64		C c c validadon contra actaw_template	7/1/2013 3.23 AM		
additional_applications		data	7/1/2015 5:23 AM		
🌗 install		🌗 digitalsignature_aws2stage	7/6/2015 7:21 PM		
🍌 tc		Ds1dsaws_install	7/1/2015 5:23 AM		
🍌 Tc10.1.4_patch_2_install_wnti		Connetrictori aus?stane	7/6/2015 7-21 DM		

• Click Close.

Status Message SIEMENS	×
Additional Patch Information	
Update Readme Information	
Please be sure to consult the ReadMe document, located in the 'release_info' directory of the pubs patch, as it may contain additional instructions that will need to be done manually to complete this patch. <b>Patching TC_DATA</b> TC_DATA was not completely updated as a part of this process. Only the SOA definitions were updated leaving the remainder of this step to be completed manually. Please consult the appropriate Teamcenter Server installation guide to obtain information regarding updating TC_DATA directories.	
Clos	se

➢ After successfully update, click on Close to quit TEM.





### 2.1.4 Install Server Extensions Features



Installation steps:

- Log on to tc10win as infodba/infodba.
- > Start TEM as administrator

🔐 install					
🕞 🕞 🗸 Imputer 🔹 Local Disk (C:) 🔹 siemens 👻 infodba 👻 teamcenter 10 👻 install 👻					
Organize 👻 🗊 Open Share with 👻 Print	New folder				
🌗 ProgramData	Name *				
isiemens					
administrator	configuration 1604081/12				
퉲 infodba	configuration 1604081714				
📗 tcdata	configuration 1606021935				
🌗 tcdata - Copy	install_tc10svrw_1602070321				
ieamcenter 10	install_tc10svrw_1604081705				
🍌 bin	install_tc10svrw_1604081713				
🍌 data					
📕 fsc	Install_OPDATER_1606021918				
include	Open				
include_cpp	te Edit				
🍌 install	🚳 tr Print				
📗 cm	📉 u 🚱 Run as administrator				
foundation	Troubleshoot compatibility				
install	Edit with Vim				
plugins	Share with				
<u> </u>	Restore previous versions				

In the User Account Control dialog window





> In the Maintenance dialog window, check Configuration Manager and Next.



In the Configuration Maintenance dialog window, check on Perform maintenance on an existing system, then Next.





▶ In the Old Configuration dialog window, click Next.



> In the Feature Maintenance dialog window, check Add/Remove Features, then Next.



In the Features dialog window, expand Base Install ->Active Workspace ->Server Extensions, check 3 Active Workspace server features, then Next.



Stop Teamcenter services and processes (except for FSC service), then click OK in Features warning dialog window.

Features SIEF	mens  imes
One or more of the selected features requires that all Teamcenter services (ActionMgr, SubscriptionMgr, Pool M etc. but not any FSC services) and processes (tcserver, e shutdown prior to continuing. Once stopped, click OK to o	lanager, tc.) be continue.
	ОК



In the Teamcenter Administrative User dialog window, type infodba for both the User box and the Password box, then Next.

Local prov (all provide a stranged	Control to the state	
沙 Teamcenter 10		siemens – 🗆 🗙
Overview		TEAMCENTER
Overview      Maintenance     Configuration Mainten:     Old Configuration     Feature Maintenance     Features     Teamcenter Administra     Indexing Engine User     Active Workspace Servi     Database Template Su     Confirmation     Install	Teamcenter Administrative User         Inter the administrative password for the Teamcenter application.         User       infodba         Password       •••••••	TEAMCENTER
	Bad	ck Next Cancel

▶ In the Indexing Engine User box, type solr\_admin for both User and Password boxes, then Next.



In the Active Workspace Server Extensions Settings dialog window, type <u>http://tc10sit:8983/solr</u> for the Search Engine URL box, then Next.



> In the Database Template Summary dialog window, verify 5 AWC related templates, then Next.





▶ In the Confirmation dialog window, click Start.



During the installation, the status bar appears in the Install dialog window, indicting the installation is in the process.



➢ After successfully installation, click Close.





### 2.1.5 Install Database Trigger



Installation steps:

Prepare database trigger (SQL scripts for Site Consolidation feature)



-						
	est cmd					
	C:\disk\Tc10.1.4_patch_2_wntx64\wntx64\tc\install\sitecons>dir Volume in drive C has no label. Volume Serial Number is B25D-7B63					
	Directory of C:\disk\Tc10.1.4_patch_2_wntx64\wntx64\tc\install\sitecons					
	08/29/2015       03:42 PM       \DIR>       .         08/29/2015       03:42 PM       \DIR>       .         08/29/2015       03:42 PM       2,508 sitecons_install_tables_and_triggers.sql         08/29/2015       03:42 PM       2,384 sitecons_install_tables_and_triggers_mssql.sql         08/29/2015       03:42 PM       2,384 sitecons_install_tables_and_triggers_mssql.sql         08/29/2015       03:42 PM       1,870 sitecons_install_tables_db2.sql         08/29/2015       03:42 PM       6,762 bytes         2 Dir(s)       10,196,729,856 bytes free					
	C:\disk\Tc10.1.4_patch_2_wntx64\wntx64\tc\install\sitecons>					

- ➢ Grant permission for creating database trigger.
  - sqlplus system/infodba@tc
  - grant Create trigger to infodba identified by infodba;

```
cmd - sqlplus system/infodba@tc
G:\disk\Tc10.1.4_patch_2_wntx64\wntx64\tc\install\sitecons>sqlplus system/infodba@tc
SQL*Plus: Release 11.2.0.1.0 Production on Thu Jun 2 22:06:43 2016
Copyright (c) 1982, 2010, Oracle. All rights reserved.
Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options
SQL> grant create trigger to infodba identified by infodba;
Grant succeeded.
SQL>
```

- ➢ Create trigger
  - sqlplus infodba/infodba@tc
  - @sitecons\_install\_tables\_and\_triggers.sql.



#### 2.1.6 Verify Installation

n/a



### 2.2 INSTALL INDEXING ENGINE (SOLR)

#### 2.2.1 Installation Process Overview



### 2.2.2 Prerequisites



Prerequisites:

Java	• JRE64_HOME=C:\apps\Java\jre7		
	•	JAVA_HOME=C:\apps\Java\jdk1.7.0_45	
TC_DATA	•	C:\temp\data	

Copy tc10win:%TC\_ROOT% to tc10sit:c:\temp\data

### 2.2.3 Install an Empty TC10.1.4\_2



Installation steps:

 $\blacktriangleright$  Log on to tc10sit as r\_awc.

➤ Start TEM

Organize 👻 🚍 Open Print New folder				
Local Disk (C:)	Name -		Date modified	Туре
activities	additional_application	Open	2015 3:38 PM	File folder
an appo	advanced_installation	Edit	2015 3:39 PM	File folder
Tc10.1.0_win64	🍌 bmide	Print	2015 3:39 PM	File folder
Tc10.1.4_ActiveWorkspace2.4.1_wntx6	📕 cci	Run as administrator	2015 3:40 PM	File folder
Tc10.1.4_patch_2_wnbx64	🎉 install	Edit with Vim	2015 3:41 PM	File folder
🗼 wnbx64	logmanager	Restore previous ver	sions 2015 3:41 PM	File folder
additional_applications	) mappingdesigner	Send to	► 2015 3:41 PM	File folder
bride	portal	Cut	2015 3:41 PM	File folder
cd	📕 tc	Сору	2015 3:42 PM	File folder
instal	Web_tier	Paste	2015 3:43 PM	File folder
🔥 fonts	attributions	Create shortcut	2015 3:31 PM	Text Document
🏄 help	isoa_client	🔓 Delete	2015 3:35 PM	Compressed (zippe
🍌 hsm 🔛	trefe excepties	Rename	2015 3:35 PM	PROPERTIES File
Jang (	tem 2	Properties	2015 3:35 PM	Windows Batch File
a modules	Town Str		8/29/2015 3-35 PM	SH Ele

➢ In the User Account Control dialog window, click Yes



▶ In the Installer Language dialog window, select English, then OK.

Installer Language	siemens $ imes$
English	•
Choose the language for the installer	
	ОК



▶ In the Welcome to Teamcenter dialog window, click Install.



In the Media Locations dialog window, browse c:\disk\Tc10.1.0\_win64 for the Original Media Location box, then Next.





In the Configuration dialog window, enter awcsolor for both ID and Description boxes, then Next.

🔛 Teamcenter 10		SIEMENS — 🗆 🗙
Overview   Application Selection  Welcome	Configuration Enter a description and ID for this Teamcenter	r configuration.
<ul> <li>✓ Media Locations</li> <li>✓ Configuration</li> </ul>	ID: avvcsolr Description: avvcsolr	
$\leq$		
		1 2
	2	Back Next Cancel

> In the Solutions dialog window, select no solution, then Next



In the Features dialog window, check the Sample files box and fill the Installation Directory box, then Next.



➢ In the Confirmation dialog window, click on Start.



> In the Install dialog window, the status bar appears indicting the installation is in process.

💕 Teamcenter 10	SIEMENS	s – 🗆 🗙
Overview		
<ul> <li>Application Selection</li> <li>Welcome</li> <li>Media Locations</li> <li>Configuration</li> <li>Solutions</li> <li>Features</li> <li>Confirmation</li> <li>Install</li> </ul>	Install This may take several minutes depending on the speed of your computer. Overall Progress Message	
	Show Details	
		Cancel

➢ After installation complete, click Close



Post installations, form the Start->All Programs right click Teamcenter 10 created in this section, then rename it to Teamcenter 10\_awcsolr.

<ul> <li>Internet Explorer (64-bit)</li> <li>Internet Explorer</li> <li>Windows Update</li> <li>Accessories</li> </ul>				
Administrative Tools Java Java Development Kit Maintenance	r_awc Documents			
Startup Teamcenter 10_awcsolr Teamconter 10_awcsolr	Computer			
Vim 7.3	Network Control Panel			
	Devices and Printers			
	Administrative Tools			
	Run			
▲ Back				
Search programs and files	Log off			
🎝 Start 🛃 🛃 🚞				



### 2.2.4 Install AWC2.4 Patch



Installation steps:

- Log on to tc10sit as os user r\_awc/r\_awc
- ➢ Start TEM



➢ In the User Account Control dialog window, click Yes.





> In the Maintenance dialog window, check Update Manager, then Next



> In the Update Features window, browse and fill the Update kid location box, then Next.





Close all Teamcenter processes or services except for FSC service, then click Close in the Status Message dialog window.

Status Message SIEMENS	X
Apply Updates	
Additional Patch Information Before proceeding with the current update, be advised that The Environment Manager will stop all Teamcenter services that are currently running in order to complete the update process. However, once this process is complete, these services will be restarted once again. Anyone that is currently using the Teamcenter environment should be notified that it will be unavailable during the update process. By clicking the 'Close' button, you have acknowledged that you have read and understand this information.	
Clos	e

> In the Confirmation window, click on Start.





> In the Update Features window, a status bar appears indicting the process of update.



Unzip C:\disk\Tc10.1.4\_ActiveWorkspace2.4.1\_wntx64\wntx64\tc\data to c\temp\data, then click Close in the Status Message box.





> In the Update Features dialog window, click Close after the update completes





### 2.2.5 Install Indexing Engine (Solr)



Installation steps:

- $\blacktriangleright$  Log on to tc10sit as os user r\_awc/r\_awc.
- ➢ Start TEM

L L	Print Run as adminis	strator 4		
🟉 Internet Explorer (64-bit)	Edit with Vim			
Internet Explorer     Windows Lindate	Restore previo	ous versions		
Accessories	Send to	•		
Administrative Tools	Cut			
🎍 Java	Сору			
Java Development Kit	Delete			
Startup	Rename			
Peamcenter 10_awcsolr3	Properties			
Environment Manager		Network		
퉲 Vim 7.3		Control Panel		
		Devices and F	Printers	
		Administrative	e Tools 🔹 🕨	
		Help and Sup	port	
		Run		
Back 2				
Search programs and files	2	Log off		
Start 1				

▶ In the User Account Control dialog window, click Yes.




> In the Maintenance dialog window, check Configuration Manager, then Next.



In the Configuration Maintenance dialog window, check Performance maintenance on an existing configuration, then Next.





➢ In the Old Configuration dialog window, click on Next.



▶ In the Feature Maintenance dialog window, click Next.





> In the Features dialog window, check Active Workspace Indexing Engine, then Next.



In the Indexing Engine User dialog window, type in solr\_admin in both User and Password boxes, then Next.





In the Indexing Engine Configuration dialog window, browse & fill in the Solr schema files location box, then Next.



➢ In the Confirmation dialog window, click Start.



> In the Install dialog window, the status bar appears indicting the process of installation.



➢ After Install complete, click Close





- Make script to start Indexing Engine (solr)
  - Create start\_solr.bat

🔒 solr-4.4.0						
Computer • Local Disk (C:) • si	emens -	r_awc + teamcenter10_awcsolr + solr-4.4.0 + 1	>	• த Search solr-4		
Organize 👻 📷 Open Share with 👻 Print	New fo	lder				
iemens administrator r_awc	1	Name ^	Date modified 6/8/2016 4:52 PM	Type File folder		
install logs		iii contrib iiii dist iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	6/8/2016 4:50 PM 6/8/2016 4:50 PM 6/8/2016 4:50 PM	File folder File folder File folder		
sor-4.4.0	-1	CHANGES	6/30/2015 5:38 PM 6/8/2016 4:50 PM	Text Document Windows Batch File		
iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii			6/30/2015 5:38 PM 6/30/2015 5:38 PM	Text Document Text Document		
<pre>r_orade r_rac4 temp</pre>		README	6/30/2015 5:38 PM 6/8/2016 4:50 PM	Text Document Windows Batch File		
Users		Start_sol	6/30/2015 5:39 PM 6/8/2016 5:33 PM	Windows Batch File Windows Batch File		
AppCompat AppPatch assembly		SYSTEM RECUPIEMENTS	6/30/2015 5:39 PM 6/8/2016 4:50 PM	Text Document Windows Batch File		

• Edit start\_solr.bat



• Create a shortcut to start\_solr.bat, in the folder r\_Awc-Tier on desktop.

	🕥 🛛 🥨 + r_Awc-Tier	<ul> <li>Search r_Awc-Tier</li> </ul>	
_Awc-Tier	Organize - Include in library - Share with - Ne	w folder	III • 🔟 😧
	Favorites	Date mod	fied Type
	Desktop Downloads Recent Places	ortcut 2 6/8/2016	4:56 PM Shortcut
	Documents		



### 2.2.6 Verify Installation



Verification steps:

- $\succ$  Log on to tc10sit as awc.
- Start indexing engine (Solr)
  - From the folder r\_Awc-Tier on desktop, double click on 1 start\_solr-Shortcut

🕌 r_Awc-Tier			
💮 🌗 🕶 r_Awc	-Tier 🗸 🕻	Search r_Awc-Tier	2
Organize 👻 💽 Open	Share with 🔻 New folder	8== •	• 🔳 🔞
🔆 Favorites	Name ^	Date modified	Туре
Desktop Downloads Recent Places	1 - start_solr - Shortcut 1	6/8/2016 4:56 PM	Shortcut

• Solr indexing engine started.

🛋 1 - start_solr - Shortcut		
C:\siemens\r_awc\te -4.4.0\runSolr.bat	amcenter10_awcsolr>c:\siemens\r_awc 1>C:\siemens\r_awc\teamcenter10_a	▲ \teamcenter10_awcsolr\solr wcsolr\logs\runsolr.log

• Open the log file



• Review the log file.

Krunsolr.log = (C:\siemens\r_awc\teamcenter10_awcsolr\logs) - GVIM	
File Edit Tools Syntax Buffers Window Help	
은 🖬 📑 블   9 6   ※ 暗 💼 🐁 운 옷 📩 🍰 옷   7 🗿 🖵   ? 유	
10624 [main] INFO org.eclipse.jetty.util.ssl.SslContextFactory - Enabled	Prot 🔺
ocols [SSLv2Hello, TLSv1, TLSv1.1, TLSv1.2] of [SSLv2Hello, SSLv3, TLSv1, T	LSv1.
1, TLSv1.2]	
10639 [main] INFO org.eclipse.jetty.server.AbstractConnector - Started S	slSel
ectChannelConnector@0.0.0.0:8984	
r	



- Verify Solr application interface.
  - Run <u>http://tc10sit:8983/solr/admin</u> in a broswer.
  - In the Login dialog window, type in solr\_admin for both username & password boxes, then Login

← → C D tr10sit:8983/solr/admin		<u></u>
Amazon Web Service: W advanted	Authentication Required       ×         http://tc10sit:8983 requires a username and password.       Your connection to this site is not private.         User Name:       solr_admin         Password:       *********         Log In       Cancel	

• The Solr admin console is displayed

ops 🧃 Amazon Web Se	rvices 🔌 advantedge knowledg 🗋 Siemens PLM Software		
Apache	Instance	System	6
Solr 🥏	<ul> <li>④ Start 9 minutes ago</li> <li>④ Host tc10sit</li> </ul>	Physical Memory 50.9%	
🕽 Dashboard	CWD c:\siemens\r_awc\TEAMCE~1\SOLR-4~1.0\awc		
🖹 Logging	InstanceC:\siemens\r_awc\teamcenter10_awcsolr\solr	1.02 GB	
🗊 Core Admin 🗟 Java Properties	Data C:\siemens\r_awc\teamcenter10_awcsolr\solr	Swap Space 34.6%	2.00 GB
Thread Dump	🖀 Versions	1.38 GB	
Core Selector 🔹	<ul> <li>solr-spec4.4.0</li> <li>solr-impl4.4.0 1504776 - sarowe - 2013-07-19 02:58:</li> <li>lucene-splet.0</li> </ul>		4.00 GB



### 2.3 INSTALL INDEXER

#### 2.3.1 Installation Process Overview



### 2.3.2 Prerequisites



Prerequisites:

Java	• JRE_HOME=/usr/java/jre1.7.0_45		
	• JAVA_HOME=/usr/java/jdk1.7.0_45		
solr	• url: <u>http://tc10sit:8983/solr</u>		
	• user/password: solr_admin/solr_admin		
<b>Teamcenter 4-tier URL</b>	• http://tc10win:8080/tc		

### 2.3.3 Install an Empty TC10.1.4\_2



Installation steps:

- ▶ Refer to the Section 2.2.3 for the installation steps.
- Installation Directory: c:\siemens\r\_awc\teamcenter10\_indexer
- After installation, change Start->All Programs->Teamcenter 10 to Start->All Programs-> Teamcenter 10\_indexer

### 2.3.4 Install AWC 2.4



Installation steps:

 $\blacktriangleright$  Refer to the Section 2.2.4 for the installation steps.

#### 2.3.5 Install Indexer



Installation steps:

- Log on to tc10sit as r\_awc/r\_awc
- ➤ Start TEM



▶ In the User Account Control dialog window, click Yes.



🌔 User	Account	Control
•	Do you comput	want to allow the following program to make changes to this er?
	C:1	Program name: Windows Command Processor Verified publisher: Microsoft Windows
•	Show deta	ails Yes No
		Change when these notifications appear

> In the Maintenance dialog window, check the Configuration Manager, then Next.



In the Configuration Maintenance dialog window, check the Perform maintenance on an existing configuration, then Next.



> In the Old Configuration dialog window, click on Next.



> In the Feature Maintenance dialog window, click Next.



> In the Features dialog window, select the Active Workspace Indexer, then Next.





In the Teamcenter Administrative User dialog window, type in infodba for both User and Password boxes, then Next.



In the Indexing Engine User dialog window, type in solr\_amdin for both User and Password boxes, then Next.



➢ In the Active Workspace Indexing Settings dialog window, check the Standalone indexing environment and fill in the Teamcenter 4-Tier URL box, then Next.



> In the Active Workspace Indexer Type Section dialog window, check both entries, then Next.



In the Active Workspace Object Data Indexer Setting dialog window, set Start Time (Date and Time), then Next.



➢ In the Confirmation dialog window, click Start.



> In the Install dialog window, a status bar appears indicting the process of installation.



➢ After installation completes, click Close.





- Make Scripts for Re-Index.
  - Create start\_reindex.bat

CFTSIndexer  Country Local Disk (C:)   siemens   r_awc   teamcenter 10_indexer   TcFTSIndexer   Search TcFTSIndexer					
Organize 👻 Include in library 👻 Share with	▼ N	lew folder			
iteamcenter 10_indexer		Name ^	Date modified	Туре	
install		) working	6/9/2016 5:59 AM	File folder	
TCFTSIndexer		🚳 do_sync_objdata	6/10/2016 1:08 AM	Windows Batch File	
j temp		lo_sync_structure	6/10/2016 1:09 AM	Windows Batch File	
🍌 r_fsc		start_reindex 2	6/10/2016 12:38 AM	Windows Batch File	
🔰 r_infodba		🚳 start_syncindex	6/10/2016 1:13 AM	Windows Batch File	
b teamcenter 10	-	•			

• Edit start\_reindex.bat



• Create shortcut for start\_reindex.bat, in the folder r\_Awc-Tier on desktop.





- Make Scripts for Sync-Index.
  - Create start\_syncindex.bat

I CFTSIndexer ← Local Disk (C:) ・ siemens ・ r_awc ・ teamcenter 10_indexer ・ TcFTSIndexer ・ 1 ・ ・ 5 Search TcFTSIndexer						
Organize 🔻 Include in library 🔻 Share	with 🔻 New folder				:==	•
teamcenter 10_indexer	▲ Name *			Date modified	Туре	
🌗 install	- work	ina	I	6/0/2016 E-E0 AM	File felder	_
📗 logs	WORK	ing		0/9/2010 5:59 AM	File Tolder	
🕌 TcFTSIndexer	🚳 do_s	ync_objdata		6/10/2016 1:08 AM	Windows Bate	ch Fil
🌗 temp	do_s	ync_structure		6/10/2016 1:09 AM	Windows Bate	ch Fil
🌗 r_fsc	start	_reindex		6/10/2016 12:38 AM	Windows Bate	ch Fil
🌗 r_infodba	🚳 start	_syncindex 2		6/10/2016 1:13 AM	Windows Bate	ch Fil
🔒 teamcenter 10						

• Edit start\_syncindex.bat



• Create a shortcut for start\_syncindex.bat, in the folder r\_Awc-Tier on desktop.





- Make scripts for do sync object
  - Create do\_sync\_objdata.bat

TcFTSIndexer					
G v Local Disk (C:) • siemens • r_awc • teamcenter 10_indexer • TcFTSIndexer • 1 • 5 Search TcFTSIndexer					
Organize 🔻 Include in library 👻 S	Share with 🔻 New folder				
iteamcenter 10_indexer	▲ Name ^	Date modified	Туре		
install	📔 working	6/9/2016 5:59 AM	File folder		
TcFTSIndexer	do_sync_objdata 2	6/10/2016 1:08 AM	Windows Batch Fil		
🌗 temp	🚳 do_sync_structure	6/10/2016 1:09 AM	Windows Batch Fil		
🌗 r_fsc	start_reindex	6/10/2016 12:38 AM	Windows Batch Fil		
鷆 r_infodba	start_syncindex	6/10/2016 1:13 AM	Windows Batch Fil		
🌗 teamcenter 10					

• Edit do\_sync\_objdata.bat



• Create a shortcut for do\_sync\_objdata.bat, in the folder r\_Awc-Tier on desktop

r Awc-Tier	light r_Awc-Tier						
	Search r_Awc-						
	Organize 🔻 Include in library 👻 Sha	re with 🔻	New folder				
	🔀 Favorites	-	Name ^	Date modified			
	E Desktop Downloads Recent Places Libraries Documents		👸 0 - start_jboss - Shortcut (as administrator)	6/9/2016 5:46 AM			
			🛞 1 - start_solr - Shortcut	6/8/2016 9:50 PM			
			2 - start_syncindex - Shortcut	6/10/2016 1:14 AM			
			🕞 3 - do_sync_objdata - Shortcut 2	6/10/2016 1:14 AM			
			👸 4 - do_sync_structure - Shortcut	6/10/2016 1:14 AM			
	🌙 Music		🔊 33 - start_reindex - Shortcut	6/8/2016 10:01 PM			
	E Pictures						



- Make scripts for do sync structure
  - Create do\_sync\_structure.bat



• Edit do\_sync\_structure.bat



• Create a shortcut for do\_sync\_structure.bat, in the folder r\_Awc-Tier on desktop

	r_Awc-Tier				
r_Awc-ner	Organize  Include in library  Share with	<b>▼</b>	Ne	ew folder	<ul> <li>Search r_Awc-T</li> </ul>
	Favorites          Easktop         Desktop         Downloads         Recent Places	<u>•</u>		Name ^  0 - start_jboss - Shortcut (as administrator)  1 - start_solr - Shortcut  2 - start_syncindex - Shortcut  3 - do uncoordinate - Shortcut	Date modified 6/9/2016 5:46 AM 6/8/2016 9:50 PM 6/10/2016 1:14 AM
	<ul> <li>☐ Libraries</li> <li>☐ Documents</li> <li>↓ Music</li> <li>☐ Pictures</li> </ul>			3 - do_sync_objdata - Shortcut     4 - do_sync_structure - Shortcut     3     33 - start_reindex - Shortcut	6/10/2016 1:14 AM 6/10/2016 1:14 AM 6/8/2016 10:01 PM



### 2.3.6 Verify Installation



Verification steps:

- Start Database Server (see Section 5.1.1)
- Start Teamcenter (see Section 5.1.2)
- Start Solr (see Section 5.1.3)
- Log on tc10sit as os user r\_awc/r\_awc
- Verify Connectivity
  - Run runTcFTSIdexer.bat

es. cmd		×
C:\siemens\r_awc\teamcenter10_indexer\TcFTSIndexer\bin>runTcFTSIndexer.bat	-task	-
=objdata:test_		

• Verify the connectivity.

cmd ×
C:\siemens\r_awc\teamcenter10_indexer\TcFTSIndexer\bin>runTcFTSIndexer.bat -task
=objdata:test
2016-06-08 22:18:09,179 INFO - Running TcFtsIndexer Type: objdata FlowAction: t
est
2016-06-08 22:18:09,569 INFO - setting Max Connections to: 3
2016-06-08 22:21:17,456 ERROR - SOA_SERVER_RETURNED_ERROR: The instance is out o
f synchronization with its ULAs.
The value for the property "fndØisTrueConditions" could not be retrieved.
End of Message for Current Service Data
2016-06-08 22:21:17,456 WARN - Connection to Tc failed. (Attempt 1 of 5.)
2016-06-08 22:21:17,456 INFO - Sleeping for 5000 milliseconds
2016-06-08 22:21:32,510 INFO  — Downloading 'FTSIndexer Files' Dataset files for
'objdata' indexer
2016-06-08 22:21:36,535 INFO – Teamcenter 4 tier server status: OK
2016-06-08 22:21:36,535 INFO - FMS status : OK.
2016-06-08 22:21:36,800 INFO - Solr server status: OK
2016-06-08 22:21:39,889 INFO - Transform configuration: OK
2016-06-08 22:21:39,889 INFO - Test successful.
2016-06-08 22:21:39,889 INFO - Total time for all Steps 3 sec
2016-06-08 22:21:39,889 INFO - Overall Time 210.694 sec
2016-06-08 22:21:39,889 INFO - Done processing Type: objdata FlowAction: test
G:\siemens\r_awc\teamcenter10_indexer\TcFTSIndexer\bin>



- Verify run re-indexing
  - Double click the shortcut to run re-indexing.
  - Open the log file.
  - Review the log file





Verify running index synchronization





- > Verify Indexing Synchronization with AWC Client.
  - Run Rich Client as *infodba*, and create a dataset *awc\_test\_dataset*.

🖃 🗁 cntc004			Group ID:	🔧 dba	*
	2		Last Modifying User:	🙎 infodba (info	lba) 🔻
	义 New Dataset			2	⊻
	<b>*</b>				_
	Nam	e: awa	:_test_1	*	
	Descriptio	n: 🔽			
	Text				
	Tool Use	d: Tex	tEditor 💌		
	Impor	t: into	004\temp\awc_test_temp.	txt •••	
	Relatio	on Cor	tents 💌		
		100.			
	More			Open On Create	
	OK		Apply Cancel		cked
1					

• Open a browser to run AWC client (<u>http://tc10sit:8080/awc</u>), and login in Teamcenter as infodba/infodba.





• In AWC client, search for awc\_test\_1



• The dataset awc\_test\_1 is displayed.





### 2.4 INSTALL AND DEPLOY AWC CLIENT

#### 2.4.1 Installation Process Overview



#### 2.4.2 Prerequisites



Prerequisites:

Java	• JAVA_HOME=C:\apps\Java\jdk1.7.0_55			
	<ul> <li>JRE64_HOME=C:\Program Files\Java\jre7</li> </ul>			
Teamcenter	• 4-tier URL: http://tc10win:8080/tc			
	Bootstrap FSC URL: http://tc10win:4544/			

### 2.4.3 Install Empty TC10.1.4\_2



Installation steps:

- ▶ Refer to the Section 2.2.3 for the installation steps.
- The machine for AWC Client installation (called AWC Build machine) is not covered in this document for practice. It is a 64-bit Windows machine, with at least 8G memory.
- c:\siemens\r\_awc\teamcenter10\_indexer
- After installation, change Start->All Programs->Teamcenter 10 to Start->All Programs-> Teamcenter 10\_awcclnt



### 2.4.4 Install AWC 2.4 Patch



Installation steps:

Same steps as in Section 2.2.4

#### 2.4.5 Build AWC WAR File



Build steps:

- ▶ Log on to AWC client build machine (your host machine for instance).
- ➢ Start TEM





> In the Maintenance dialog window, check the Configuration Manager, then Next.



In the Configuration Maintenance dialog window, check the Perform maintenance on an existing configuration, then Next.





▶ In the Old Configuration dialog window, click Next.



> In the Feature Maintenance dialog window, click on Next.





> In the Features dialog window, check 3 AWC client components, then Next.



In the Prerequisites Checks dialog window, fill the Enter a working directory where log can be created box, then Run.

🎾 Teamcenter 10			SIEMENS 🗕 🗆 🗙
Overview			TEAMCENTER
<ul> <li>Maintenance</li> <li>Configuration Maintena</li> <li>Old Configuration</li> <li>Feature Maintenance</li> <li>Features</li> <li>Prerequisites <ul> <li>Active Workspace Clien</li> <li>Confirmation</li> <li>Install</li> </ul> </li> </ul>	Prerequisite Checks A number of tests will now be p prerequisites. Enter a working directory where citemp20	erformed on the curren e logs can be created Run	it environment to check for
	Test Client Build Free RAM A JDK Version Compatibi	Results	Details Review Back Next Cancel



➢ After all checks passed, click Next.



In the Confirm Warning dialog window, check the Client Build Free RAM Availability check dialog box, then OK.





In the Active Workspace Client Settings (J2EE) dialog box, fill in the required boxes, then click Advanced...



> In the Additional Client Settings dialog window, check English, then OK



▶ In the Active Workspace Client Settings (J2EE) dialog box, click Next



▶ In the Confirmation dialog window, click Start.



> In the Install window, the status bar appears indicting the process of installation.





➢ After Install completes, click Close.



> The AWC client war file is located in directory c:\siemens\teamcenter10\aws2\stage\out

A CONTRACTOR OF								
SJI6P946 → Data (D:) → site0 → teamcenter10_awc_clnt → aws2 → stage → out →								
File Edit View Tools Help	File Edit View Tools Help							
Organize 🔻 📄 Open Burn New folder								
🌗 aws2	<ul> <li>Name</li> </ul>	Date modified	Туре					
🔒 stage	📗 .temp	6/9/2016 4:02 AM	File folder					
🏨 build	🌗 hash	6/9/2016 4:02 AM	File folder					
node_modules	🌗 javac	6/9/2016 4:02 AM	File folder					
temp	🍌 log	6/9/2016 4:02 AM	File folder					
hash	🌗 war	6/9/2016 4:06 AM	File folder					
iavac	awc.war	6/9/2016 4:07 AM	WAR File					
log	base_options.txt	6/9/2016 4:02 AM	TXT File					
🍑 war	warClasspath.json	6/9/2016 4:02 AM	JSON File					
🌗 repo								



### 2.4.6 Deploy AWC WAR File



Deploying steps:

- Log on to tc10sit as r\_awc/r\_awc
- Install JBoss
  - Install JBoss 7.1 into C:\apps\jboss-as-7.1.0.Final
- Update JBoss configuration.
  - Open configuration file

🔒 configuration						
🕞 ◯ マ 🔰 🔹 apps 👻 jboss-as-7.1.0.Final 💌 st	<b>1</b>					
Organize ▼ 🏈 Open ▼ Share with ▼ New folder 🛛 🔠 ▼						
鷆 apps		Name ^	Date modified	Туре		
🤰 cygwin 🎴 Java		standalone_xml_history	6/3/2016 1:49 AM	File folder		
jboss-as-7.1.0.Final		application-roles.properties	6/3/2016 1:25 AM	PROPERTIES File		
appclient	_	application-users.properties	6/3/2016 1:25 AM	PROPERTIES File		
🌗 bin		logging.properties	6/3/2016 1:25 AM	PROPERTIES File		
퉬 bundles		mgmt-users.properties	6/3/2016 1:25 AM	PROPERTIES File		
July docs		🔮 standalone	6/3/2016 1:09 AM	XML Document		
🎍 domain 📔 modules		Standalone0	6/3/2016 1:25 AM	XML Document		
📗 standalone		🖹 standalone-full	6/3/2016 1:25 AM	XML Document		
🍌 configuration		📄 standalone-full-ha	6/3/2016 1:25 AM	XML Document		
🌗 data		el standalone-ba	6/3/2016 1·25 ΔM	XML Document		
M. JI	-			<b>P</b>		

• Change network interface.


> Deploy awc.war in Jboss, simply put the war file into Jboss deployments directory.

🕌 deployments				
🕞 🗇 🗸 🔹 apps 👻 jboss-as-7.1.0.Final 👻	standalone 👻 deployments	🔻 🛃 Sear	rch deployments	<b>P</b>
Organize 🔻 Include in library 👻 Share with	▼ New folder			🛙 🕡
🌗 standalone	▲ Name -	Date	e modified Typ	pe
퉬 configuration	README	6/3/	/2016 1:25 AM Tex	xt Document
🍌 deployments	awc.war	6/9/	2016 4:07 AM WA	AR File
ib lib				
🍑 log				
🍑 tmp				

- Create scripts to start Jboss.
  - Create start\_jboss.bat

📙 bin					
Computer 🗸 Local Disk (C:) 🗸 app	os 🔹 jboss-as-7.1.0.Final 👻 bin 👻 🖉 😨	Search bin	<u> 2</u>		
Organize 🔻 🖬 Open Share with 👻 Print	New folder		:= 🔹 🗔 🔞		
鷆 apps	Name -	Date modified	Туре		
July Cygwin	🚳 vault	6/3/2016 1:24 AM	Windows Batch File		
Java 📕	start_jboss	6/3/2016 1:32 AM	Windows Batch File		
jboss-as-7.1.0.Final	standalone.sh	6/3/2016 1:24 AM	SH File		
🧰 appclient	🚳 standalone.conf	6/3/2016 1:24 AM	Windows Batch File		
Jun Din	standalone.conf	6/3/2016 1:24 AM	CONF File		
bundles docs	👜 standalone	6/3/2016 1:24 AM	Windows Batch File		

• Edit start\_jboss.bat



• Create a shortcut for start\_jboss.bat, in the folder r\_Awc-Tier on desktop.

🕌 r_Awc-Tier			
· r_Awc-Tier 2			<ul> <li>Search r_Awc-T</li> </ul>
Organize 👻 Include in library 👻 Share with	-	New folder	
☆ Favorites	<b></b>	Name ^	Date modified
Desktop		0 - start_jboss - Shortcut (as administrator) 3	6/9/2016 5:46 AM
Downloads		🔊 1 - start_solr - Shortcut	6/8/2016 9:50 PM
Recent Places		2 - start_syncindex - Shortcut	6/10/2016 1:14 AM
		🔊 3 - do_sync_objdata - Shortcut	6/10/2016 1:14 AM
Documents		3 4 - do_sync_structure - Shortcut	6/10/2016 1:14 AM
- Music	-		



### 2.4.7 Verify Installation



Verification steps:

- Start Database Server (see Section 5.1.1)
- Start Teamcenter (see Section 5.1.2)
- Start AWC Web Application Server (see Section 5.1.3)
- Start Solr (see Section 5.1.4)
- Start Indexer (see Section 5.1.5)
- Verify AWC Client
  - Open a browser which supports HTLM5.
  - Run <u>http://tc10sit:8080/awc</u>
  - Login Teamcenter as infodba/infodba





• Then, the AWC home page will be shown up after successfully login.





### 3 AWC Client Home Page Customization

### 3.1 CUSTOMIZATION DESIGN

### 3.1.1 Home Page before Customization



#### 3.1.2 Home Page after Customization

>
>



### 3.2 CUSTOMIZATION FOR A GROUP

#### 3.2.1 Create Role/Group

- Login to rich client as infodba/infodba
- Create a role AWC\_Workflow\_Approver

Crganization Crganization Project Administration Craining_Grp_1 Craining_Grp_2 Craining_Grp_2 Craining_Grp_2 Craining_Grp_2 Craining_Grp_2 Craining_Grp_2 Craining_Grp_2 Craining_Grp_2 Craining_Grp_3 Craining_Grp_4 Craining_4	Refer AWC_Workflow_Approver
Filter by Site I All Local Replica Filter by Home Site All Filter by Home Site All Filter User ID or User Name Finter Role Name Finter Group Name Finter Group Name Filter Sites Filter Sit	
Canadars	Create - Modify

Create a group *AWCGrp*, and add the role AWC\_Workflow\_Appover into the group AWCGrp.

Crganization ×	
Grganization ⊕ - & Engineering ⊕ - & Project Administration ⊕ - & Simulation Administration ⊕ - & Training Grp 1	Name: AWCGrp 2 * Description:
Training_Grp_2	Security
Em & cntc004_grp	To Parent 2
庄 😓 dba	DBA Privilege:
⊡ a system ⊡ a test_grp	Default Volume: 👳
	Default Local Volume: 🡳 🢡
	Owning Site:
Filter by Site All C Local C Replica	Roles: ADA/ITAR Attributes
E - ₩ IP Classifier	
	4 Create Or Modify
Uniter Overhue Approver	in the second se



> After creation, the role AWC\_Workflow\_Approver will be under the group AWCGrp, see below.

T Organization X	
Organization Figure Engineering Project Administration Figure Simulation Administration Figure Training_Grp_1 Figure Validation Administration Figure Contc004_grp Figure Contc004_grp Figure System Figure System Figure AWCGrp 1 Figure AWC_Workflow_Approver	AWC_Workflow_Approver         Role:       AWC_Workflow_Approver         Description:         Owning Site:

➢ Add user e04, p04 and e04 into AWCGrp

🎾 Organization - Teamcenter 10		
File Edit View Tools Window Help	2	
		·
Organization	(infodba (infodba ) - dba / DBA - [site_tc10win]	[][][][]]]
✓ Search Enter the Item Name to seal	Organization ×	28 AWC Workflow Approver
Quick Links     Customize	AWCGrp 2     AWC_Workflow Approver	Role: AWC_Workflow_Approver
My Worklist My Saved Searches	Filter by Site  All C Local C Re	Description:
Wy Links »	Enter User ID or User Nan	Owning Site:
Hy Teamcenter	Inter Role Name       Inter Group Name	
띁 Lifecycle Viewer 🚰 Structure Manager	Groups	
▲ Change Manager	Users Persons	3
🐁 😽 🏂 🛸 🖏 😽 😽 🚿	Jor Sites	

🞾 Organization User Wizard	×
Select User Option	
Would you like to add a new user to AWCGrp/AWC_Workflow_Approver?  Add existing user to the group/role  Add new user to the group/role	
Back Next Finish I Home S Close	



💯 Organi	ization User Wizard	×
Select	: User Option	
	The user(s) have been successfully added!	
	Would you like to add a new user to AWCCrp/AWC_Workfl	ow Approvor2
	would you like to add a new user to Awcorp/Awc_working	ow_Approver:
	Add existing user to the group/role	
	C Add new user to the group/role	
		-(1)
	🔹 Back Next 🕨 🌾 Finish 🦾 Hom	e 🚫 Close

### **3.2.2** Create Tile Collection

- Login to Rich Client as infodba/infodba
- > Copy the AWCGrp object for Creating Tile Collection.
  - From rich client, select AWCGrp object, then send to My Teamcenter.

Organization ×						
				aWCGrp		
Engineering	Сору	Ctrl+C		Name:	AWCGrp	* 🗣
⊕… & Project Administr     ⊕… & Simulation Admin	Generate Report			Description:		
⊕	Open with	•			<u> </u>	
🕀 😓 Validation Admir 🤇	Send To 3	•	孩 CAE Man	ager		~
🗄 😓 cntc004_grp	Refresh	F5	🗟 Classifica	tion		
the system	Yiew Properties	Alt+Enter	🁍 DesignCo	ntext	2	
E test_grp			嵹 Envelope			
			See Manufact	uring Process Planner	?	
			🍰 Multi-Stru	icture Manager		
I		<	🌐 My Team	center 4		
Filter by Site 💿 All	🔿 Local 🔿 Repli	ca	🙀 Part Plan	ner		
Filter by Home Site All			Northeast Plant Des	igner		
Enter Liser ID or Liser N	lame		역렬 Relation I	Browser		
	vanie		Report G	enerator		
188 Enter Role Name			Cesource	Manager		
8 Enter Group Name			🔠 Schedule	Manager		
Sroups			Validation	Results Viewer		
Roles			Workflow	Viewer		

• Right click on AWCGrp object, and then double click on Review Properties.



• Click on Edit -> Copy to copy AWCGrp object.

My Jeanscenter - Teamcenter 10		
File Edit View Translation Tools Window	Help	
Cut 1	Ctrl+X	
Сору	Ctrl+C	
Copy Workflow Process	CHUCKIE IC	
Pacte	Chiley	ome 🛃 AWCGrp 🗙 🔍 🖂 🕀 🕂 🖓 🗖 🗖
	SUITY	AWCGrp
Paste Special		
		-
Mass Update		
📄 💥 Delete	Delete	Properties
Properties On Relation		4 Group
Purge		Name: AWCGro
Make Immune		Description:
Remove Immunity		
🔁 💵 User Setting		
S Options		Display Name: AWCGrp
Service Change Ownership		
Calendar	+	Full Name:
Replace ParametricRequirement Revision	ו	
Attach Requirements/Notes	•	
		General All
▼ Favorites	Organize	
		<u> </u>



- Create a Tile Collection awc\_tile\_collection
  - In My Teamcenter, click on File->New -> Others,



• In the New Object - Type window, select Tile Collection, then Next

🎾 New Business Object	<u>-0×</u>
Business Object Type Proceed to create an object of selected type.	
	🍛
📝 Study Revision Master	
🖙 📝 Systems Engineering Block Master Form	
🖙 📝 Systems Engineering Block Revision Master Form	
TC_Link	
TCPublishingAliases	
TCPublishingPage	
TCPublishingTechnicalPortfolio	
🕂 🧄 TechnicalPortfolioXML	
TemplateMaster	
Text	
Theme Board	
🛛 📝 Theme Board Master	
📝 Theme Board Revision Master	
Tile	
Tile Collection	
Tile Proxy	
Tile Template	
Time Way Plan Location Form	
TimeSheetEntry	•
< Rock Next >	Einish Cancel
S DOUN NEXT >	Cancel

• In the New Object window – Information window, fill in the text field of Name; for Scope, click on Down-Arrow ->Paste to paste the object created above to the text field, then Finish.

💯 New Business Obje	ect			_ 🗆 ×
Object Create Inf Define business object	ormation create information			
Tile Collection				
Description: Name:* Scope:*	awc_tile_collection	- 		
			Clear Copy Paste Open	
Relation	Open On Create			
		< Back Next	:> Finish	Cancel



- Add tiles to tile collection awc\_tile\_collection
  - From My Teamcenter, search tile collections





🎾 My Teamcenter - Teamcenter 10		
File Edit View Translation Tools Window	Help	
] 🛛   🐇 🗈 💼 🔺 🗶   📰 ] 🕅	) 🗞 🕄 🗋	
🕲 🔹 🎱 🐐 My Teamcenter (in	fodba (infodba)	- dba / DBA - [site_tc10win ] [ ] [ ] [ ] [ ])
Search	0	home 🔍 Search 🗙 📃 🔍 🖛 🗖 🔹 🗟
Enter the Item Name to search	- 2	🗟 General
▼ Quick Links	Customize	Find workspace object(s)
home	»	Name:
🦠 My Worklist	»	Description
🗱 My Projects	>>	Description:
🞐 My Links	»	Type:
💽 My Saved Searches	»	Owning User: infodba (infodba)
🔚 My View/Markup	>>	
		Owning Group: dba
Open Items	Close All	Created After: No date set
▼ History	Clear	Created Before: No date set
antc004		Modified After: No date set
antc003		
🛅 Newstuff		Modified Before: No date set

• In the search result window, select all the tiles under Site-TileCollection (except for Inbox) and copy.

Search Results 🗙	Compare Contents	
Search Results       X         General Viewing Page 1 of Results         Image: Search Results	Compare Contents   Cut   Cut <th></th>	

• Then, past all the tiles selected above to awc\_tile\_collection.

Search Results 🗙		
General Viewing Page 1 of Results		
🖃 🔍 General (10)		
<pre>awc_tile_collection 1</pre>		
Site-TileCollection	Compare Contents	
	Copy Ctrl+C	
🕀 🍸 Report Problem	Paste 2 Ctrl+V	
	and the second	
	Generate Report	
	Open with	
	Send To	
	Refresh F5	
	Edit Properties	
	View Properties Alt+Enter	
🕀 🍸 Create Part		
⊕      Z     dba-TileCollection		

• In the Relation Property window for each tile (i.e. Changes), set Hidden to TRUE and Apply All, then Finish.

Enter the values for Prope	erties on Relation	
Gateway Tile Properties on Relation page		
Primary Reference: Relation Type: Secondary Reference:	<ul> <li>awc_tile_collection</li> <li>Gateway Tile</li> <li>Changes</li> <li>True</li> <li>False</li> </ul>	
Live: Order Number: Protected: Tile Size:	O True ⊙ False O True ⊙ False	
Apply All < Back	Next > Finish	Cancel

- > Make sure Hidden is set to TRUE for the relation property of all the tiles in awc\_tile\_collection.
  - In the Search Result window, expand awc\_tile\_collection, select a tile (for example Create Part), then edit Relation Property.



• In the Property window, make sure Hidden is set to TRUE, then OK.

💯 P	roperties		×
*	Gateway Tile		
	Primary Reference: Relation Type: Secondary Reference:	? awc_tile_collection       ▼         > Awp0GatewayTileRel          ? Create Part       ▼	
	, Hidden: Live:	© True ⊙ False	
	Protected:	O True ⊙ False	
	Relation Type Name:	gk_Awp0GatewayTileRel_att	-
Gen	eral		
		a 🤹	1
		OK Apply Cancel	

• Repeat two steps above until all the tiles are checked and updated.

### 3.2.3 Home Page Verification for the Group

If a user's default group is AWCGrp, the AWC client home page for that user should be customized to be designed home page which contains only one tile – Inbox.

For example,

Set user e04 default group to cntc004\_grp, the home page will be not customized to the designed home page.

Crganization X	
Organization	& cntc004 e04 (e04)
Filter by Site    All    C Local    C Re	Person Name: cntc004 e04
Filter by Home Site All	User ID: e04
Enter User ID or User Nan	OS Name: r_rac4
Enter Role Name	Password:
Enter Group Name	Latest System Access Time: 10-Jun-2016 16:17 Reset
	Default Group: Scntc004_gr
E 4 cntc004 p04 (p04)	Default Volume: 🡳
E Sc_user (fsc_user) ▼	Default Local Volume: 🥪 🤉



Change user *eo4* default group to AWCGrp, the home page will be customized to designed home page.

Crganization X	
Organization	🔩 cntc004 e04 (e04)
Filter by Site   All   Local   Re	Person Name: cntc004 e04 * 2
Filter by Home Site All	User ID: e04
Senter User ID or User Nan	OS Name: rac4
🚯 Enter Role Name	Password:
Enter Group Name	Latest System Access Time: 10-Jun-2016 16:17 Reset
	Default Group: State AWCGr
cntc004 p04 (p04)	Default Volume: 🡳 ?
terioxy (deproxy) ⊕ 4 fsc_user (fsc_user)	Default Local Volume: 🥪 🤉

V Teamcenter - Home X			
← → C [] tc10sit:8080/awc/#showGateway			¶☆∎
👯 Apps 👔 Amazon Web Services 🔌 advantedge knowledg 🕒 Siemens PLM Softwar			
ñ ¢			SIEMENS
cntc004 e04 (e04)-AWCGrp/AWC_Workflow_Approver-Latest Working	Select Owner	Select Type	
Teamcenter			2
INBOX 0/3/0 New Total Past Due Total			



### 3.3 CUSTOMIZATION FOR A SINGLE USER

If a user's default group is not AWCGrp, customize the tile collection specific to that user to make the home page to be designed home page which contains only one tile – Inbox.

Configuration steps:

Login to Rich Client as user awc\_tester, make sure user awc\_tester's default group is not AWCGrp.

Corganization ×	
	& awc_tester (awc_tester)
Filter by Site   All   Local   Re	Person Name: awc_tester * 2
Filter by Home Site All	User ID: awc_tester
Enter User ID or User Nan	OS Name: r_rac4
Se Enter Crouin Name	Password:
Enter Group Name	Latest System Access Time: Reset
tester (awc_tester)	Default Group: As cntc004_grp
	Default Volume: 👳 🢡
🗄 🔍 cntc004 e03 (e03)	Default Local Volume: 🥪 🤉

Login to AWC Client as *user awc\_tester*, make sure the home page is not customized, then Exit.

Teamcenter - Home X	-		
← → C  tc10sit:8080/awc/#showGateway			¶☆ =
👯 Apps 🧊 Amazon Web Services 🔮 advantedge knowledg 🗋 Sier	mens PLM Software		
A \$			SIEMENS
awc_tester (awc_tester) - cntc004_grp/cntc004_engineer-Latest Working		Select Owner	Select Type
INBOX <b>O</b> / <b>O</b> / <b>O</b> New Total Past Due			
SAVED SEARCHES		CREATE PART	



- > Configure the tile collection specific to a user.
  - In Rich Client, search for Tile Collection.

🎾 My Teamcenter - Teamcenter 10						
File Edit View Translation Tools Windo	w Help					
	🏷 🗞 🔂 🔒					
My Teamcenter (infodba (infodba) - dba / DBA - [site_tc10win][][][][]])						
Search	🕭 Home 🔍 Search	x 🛛 🔍 🔍 + 🗖 - 🖄 🍲 🖬 🕂 🏄				
Enter the Item Name to search	🗟 General					
Setting Started	Find workspace obje	ct(s)				
My Teamcenter	Type:	Tile Collection				
Lifecycle Viewer	Owning User:	awc_tester (awc_tester)				
Structure Manager	More>>>					
🔼 % 🛐 抢 🖱 餐 🌱 »						

• In the Search Result window, find tile collection specific to *awc\_tester* and expand it.





• Select a tile (for example Printouts), then review relation properties.

General Viewing Page 1 of Results			
↑↓ × ⊡ ⊞ ⊞	Compare Conten	ts 🕨	
🖃 🔍 General (19)	of Cut	Ctrl+X	
? awc_tester-TileCollection	Сору	Ctrl+C	
🛨 🎖 Changes	📋 Paste	Ctrl+V	
	Generate Report		
	Open with	•	
	Send To	•	
T Favorites	🔊 Refresh	F5	
🗉 🦹 My Stuff	Edit Properties		
🗉 🦹 Create Document	View Properties	Alt+Enter	
+ 7 Printouts	Properties On Re	lation	
🛨 🕺 Create Part			
		_	

• In the Relation Property window, make sure Hidden is set to TRUE, then OK or Apply.

🎾 Properties		×
📎 Gateway Tile		
Primary Reference: Relation Type: Secondary Reference: Hidden: Live:	? awc_tester-TileCollection       ▼         > Awp0GatewayTileRel          ? Create Part       ▼         • True       ○ False         ○ True       • False	
Order Number: Protected:	205 O True ⊙ False	•
<u>General</u>	OK Apply Cancel	

• Repeat the steps above to make sure all the tiles are updated (expect for Inbox if it's there, and some which are marked protected).

After the configuration, login to AWC client as *awc\_tester* again, and make sure the home page is designed home page.





### 4 Appendix

#### 4.1 START PROCESS

4.1.1 Start Teamcenter Database Server

n/a

#### 4.1.2 Start Teamcenter Enterprise Tier

- Log on to tc10win as infodba/infodba.
- > Open the folder Ent-Tier on the desktop, then run 2 start pool manager

#### 4.1.3 Start Teamcenter Web-Tier

- Switch os user to jboss/jboss
- Open the folder Web-Tier on the desktop, then run 1 start\_jboss (as Administrator) as administrator. When the User Account Control dialog window appears, click Yes.

#### 4.1.4 Start AWC Web Application Server

- $\blacktriangleright$  Log on to tc10sit as r\_awc/r\_awc
- Open the folder r\_Awc-Tier, then run 0 start\_jboss Shortcut (as administrator) as administrator, when the User Account Control dialog box appears, click Yes.

#### 4.1.5 Start Solr Indexing Engine

- Log on to tc10sit as r\_awc/r\_awc
- > Open the folder r\_Awc-Tier, then run 1 start\_solr Shortcut

#### 4.1.6 Start Indexer

- $\blacktriangleright$  Log on to tc10sit as r\_awc/r\_awc
- > Open the folder r\_Awc-Tier, then run 2 start\_syncindex Shortcut
- After that, Run 3 do\_sync\_objdata Shortcut
- And run 4 do\_sync\_structure Shortcut



### 4.2 RELATED URLS

### 4.2.1 TC Pool Manager

> URL

http://tc10win:8082

User/Password

manager/manager

### 4.2.2 TC Thin Client

> URL

http://tc10win:8080/tc/webclient

➢ User/Password

Teamcenter user and password

### 4.2.3 Solr Admin

> URL

http://tc10sit:8983/solr/admin

➢ User/Password

solr\_admin/solr\_admin

### 4.2.4 AWC Client

> URL

http://tc10sit/awc

➢ User/Password

TC user and password

### 4.3 CONFIGURE APACHE AS A REVERSE PROXY SERVER

#### 4.3.1 Install Apache

- Login to tc10win as admdinistrator/administrator
- Get file httpd-2.2.11-win32-x86-no\_ssl.msi from c:\disk
- Copy the file above to c:\temp in your local host (your laptop machine)
- Open an Explorer Window
- ➢ Go to c:\temp and double click on httpd-2.2.11-win32-x86-no\_ssl.msi



► Follow the instruction and install apache in d:\apps\Apache2.



### 4.3.2 Configure Apache as a Reverse Proxy Server

- > Log on to host machine (laptop machine, for example **BJI6P946.net.plm.eds.com**)
- > On the laptop, open C:\apps\Apache2.2\conf\httpd.conf



➢ Update configuration

httpd.conf (C:\apps\Apache2.2\conf) - GVIM	23
File Edit Tools Syntax Buffers Window Help	
#ulong KoadModule proxy_module modules/mod_proxy.so 1 #ylong	^
#LoadModule proxy_ajp_module modules/mod_proxy_ajp.so #LoadModule proxy_balancer_module modules/mod_proxy_balancer.so #LoadModule proxy_connect_module modules/mod_proxy_connect.so #LoadModule proxy_ftp_module modules/mod_proxy_ftp.so	
#ulong CoadModule proxy_http_module modules/mod_proxy_http.so 2 #ylong	
<pre>#ylong start ProxuRequests off <proxy *=""> Order deny,allow Allow from all <proxypass #ylong="" 192.168.80.30:8080="" <="" awc="" end="" http:="" pre="" proxypassreverse=""></proxypass></proxy></pre>	



### 4.3.3 Start Apache

- > Log on to host machine (laptop machine, for example **BJI6P946.net.plm.eds.com**)
- > Then, from stats bar open Apache and stop Apache



