

SIEMENS

TC Platform培训 – 高级应用技术(1) —AWC Client - Activities

龙永义, 2017年6月

Contents



- Install AWC Solr Engine
- Install AWC Indexer
- Customize AWC Client Home Page
- Practice AWC Client Mobility Feature

Install AWC Solr Engine

❑ **Activity:** Install AWC Solr Engine

In this activity, a separate virtual machine tc10sit is used for AWC Tier. You install a AWC solr Indexing Engine on tc10sit.

For this activity, log on to tc10sit, using operating system account r_awc/r_awc.

Launch the Install AWC Solr Engine

❑ **Related information**

For more information, review the following documents for this training session.

- TC Platform - Advanced Technologies (1)_AWC-Deployment-Instructions.docx

Install AWC Solr Engine (2)

❑ Install AWC Solr Engine

Step 1: Refere to the training document **AWC Deployment Instruction (Windows)**

Step 2: Follow the steps described in the **Section 2.2 Install Index Engine (Solr)**, to install a AWC Solr Engine on **tc10sit**.

Step 3: Follow the steps described in the **Section 2.2 Install Index Engine (Solr)**, to verify the AWC Solr engine installation.

Install AWC Indexer

❑ **Activity:** Install AWC Indexer

In this activity, a separate virtual machine **tc10sit** is used for AWC Tier. You install a AWC indexer on **tc10sit**.

For this activity, log on to **tc10sit** using operating system account **r_awc/r_awc** to install the AWC indexer, start the AWC solr engine and execute some scripts for installation verification; log on to **tc10win** as **infodba/infodba** to start Teamcenter Ent Tier; log on to **tc10win** as **jboss/jboss** to start Teamcenter Web-Tier.

Launch the Install AWC Solr Engine

❑ **Related information**

For more information, review the following documents for this training session.

- TC Platform - Advanced Technologies (1)_AWC-Deployment-Instructions.docx

Install AWC Indexer (2)

❑ Install AWC Indexer

Step 1: Refer to the training document **AWC Deployment Instruction (Windows)**

Step 2: Follow the steps described in the **Section 2.3 Install Indexer**, to install a AWC indexer on **tc10sit**.

Step 3: Follow the steps described in the **Section 2.3 Install Indexer**, to verify the AWC indexer installation.

Customize AWC Client Home Page

❑ **Activity:** Customize AWC Client Home Page

In this activity, a separate virtual machine **tc10sit** is used for AWC Tier. You customize AWC client home page for a group of users and a single user to show only the Inbox tile in the user home page. As a result, it will be easier for the user to work on the assignments.

For this activity, log on to **tc10win** as **infodba/infodba** to start Teamcenter Ent Tier; log on to **tc10win** as **jboss/jboss** to start Teamcenter Web-Tier; log on to **tc10sit** as **r_rac4/r_rac4** to run Teamcenter rich client for the AWC Client home page customization; then log on to any machine in the training network to run AWC client for the testing.

Launch the Customize AWC Client Home Page

❑ **Related information**

For more information, review the following documents for this training session.

- TC Platform - Advanced Technologies (1)_AWC-Deployment-Instructions.docx

Customize AWC Client Home Page (2)

❑ Customize AWC Client Home Page

Step 1: Refer to the training document **AWC Deployment Instruction (Windows)**

Step 2: Follow the steps described in **Section 3.2 Customization for a Group**, to customize AWC client home page for a group (of users) to have only the **Inbox** tile, and test it with AWC client.

Step 3: Follow the steps described in **Section 3.3 Customization for a single user**, to customize AWC client home page for a single user to have only the **Inbox** tile, and test it with AWC client.

Practice AWC Client Mobility Feature

Activity: Practice AWC Client Mobility Feature

In this activity, you configure a reverse proxy server on your laptop, create a mobile network between your laptop and cell phone via your cell phone 4G network. Then, you run AWC client on your cell phone to practice AWC mobility.

For this activity, log on to **tc10win** as **infodba/infodba** to start Teamcenter Ent Tier; log on to **tc10win** as **jboss/jboss** to start Teamcenter Web-Tier; log on to tc10sit as **r_awc/awc** to start **AWC Web-Tier, AWC solr engine** and **AWC indexer**; log on to your laptop host machine to configure the reverse proxy server.

Launch the Practice AWC Client Mobility Feature

Related information

For more information, review the following documents for this training session.

- TC Platform - Advanced Technologies (1)_AWC-Deployment-Instructions.docx

Practice AWC Client Mobility Feature (2)

Practice AWC Client Mobility Feature

Step 1: Start Teamcenter Servers

(1). Start Teamcenter Enterprise Tier

(1.1). Log on to **tc10win** as **infodba/infodba** operating system account.

(1.2). From the **desktop**, open **Ent-Tier** folder and then run **2-start pool manager**.

(2). Start Teamcenter Web Tier

(2.1) On **tc10win**, switch os user to **jboss/jboss**.

(2.2). From the desktop, open **Web-Tier** folder and run **1 - start_jboss (as Administrator)** as administrator.

Practice AWC Client Mobility Feature (3)

Practice AWC Client Mobility Feature

Step 2: Start AWC Tier

(1). Start AWC Web Application Server

(1.1). Log on to **tc10sit** as **r_awc/r_awc** operating system account.

(1.2). From the **desktop**, open the folder **r_AWC-Tier** and then run **0 - start_jboss - Shortcut (as administrator)**.

(2). Start AWC Solor Indexing Engine

(2.1). On **tc10sit**, switch os user to **r_awc/r_awc**.

(2.2). From the **desktop**, open the folder **r_AWC-Tier** and then run **1 - start_solr - Shortcut**.

Practice AWC Client Mobility Feature (4)

Practice AWC Client Mobility Feature

Step 2: Start AWC Tier - continued

(3). Start AWC Indexer

(1.1). On **tc10sit**, switch os user to **r_awc/r_awc**.

(1.2). From the **desktop**, open the folder **r_AWC-Tier** and then run **2 - start_syncindex - Shortcut**.

(1.3). Then, run **3 - do_sync_objdata - Shortcut**

(1.4). Then, run **4 - do_sync_structure - Shortcut**

Practice AWC Client Mobility Feature (5)

Practice AWC Client Mobility Feature

Step 3: Start reserve proxy server

- (1). Log on to your laptop (as whatever user you are)
- (2). Install a reverse server (optional)

Refer to the document **AWC Deployment Instruction (Windows)** and follow the steps described in the **Section 4.3.1 Install Apache**, to install a reserve proxy server.

- (3). Configure a reverse server (optional)

Refer to the document **AWC Deployment Instruction (Windows)** and follow the steps described in the **Section 4.3.2 Configure Apache as a Reverse Proxy Server**, to configure the reserve proxy server.

- (4). Start the reserve proxy server

If the reserve proxy server is not started, refer to the document **AWC Deployment Instruction (Windows)** and follow the steps described in the **Section 4.3.3 Start Apache**, to start the proxy server.

Practice AWC Client Mobility Feature (5)

Practice AWC Client Mobility Feature

Step 4: Build a mobile network

- (1). Turn on your cell phone Hotspot.
- (2). Connect the cell phone to your laptop.
- (3). Enable the laptop wireless connection, to ensure your laptop is connected to your cell phone wireless network.
- (4). Open a DOS window, run the following command to identify your laptop IP address in the cell phone wireless network. Saying the IP address is **172.20.10.6**, for example

ipconfig all

- (5). Open a browser from your cell phone and type in the following URL to run the AWC client.

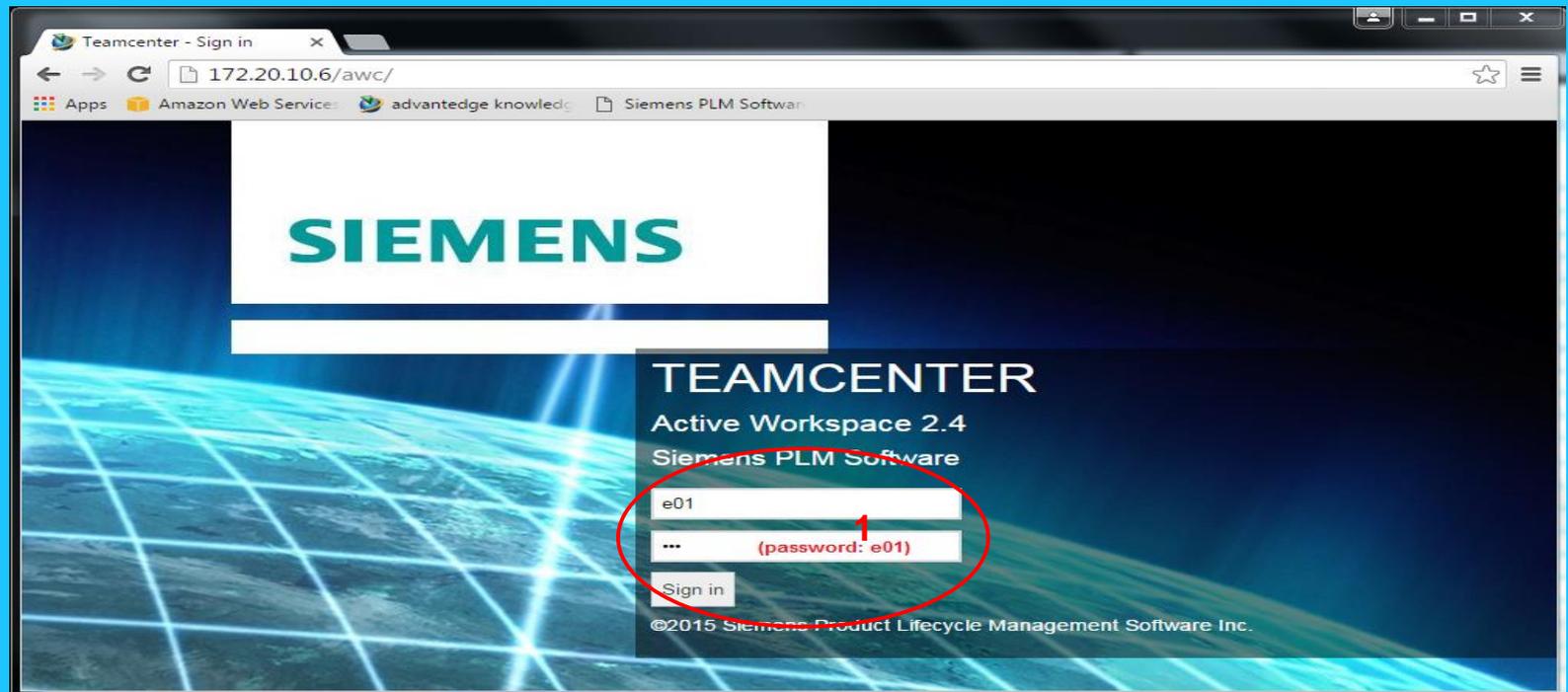
<http://172.20.1.1/awc/>

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature

- (1). A Test engineer **e01** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, report a PR to the design engineer **e04** for a product design issue.

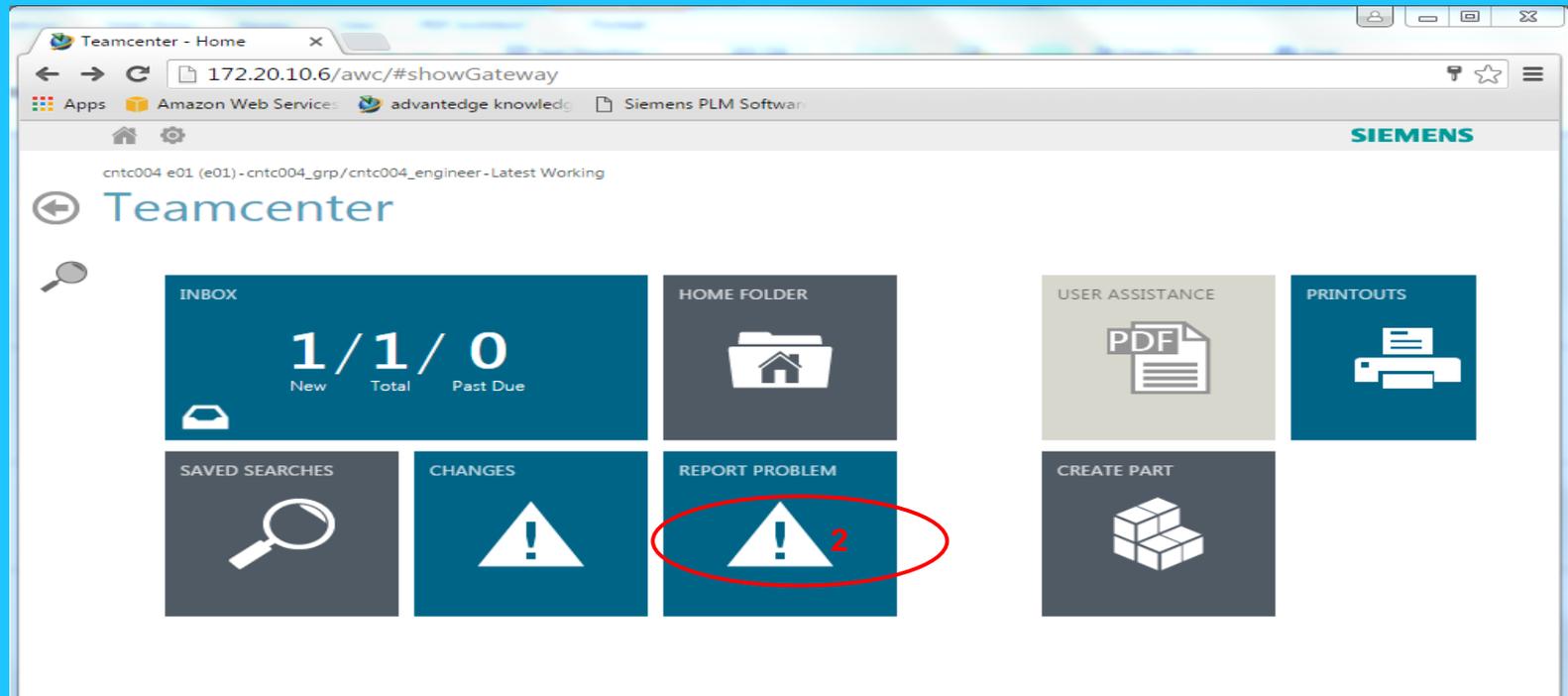


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (1). A Test engineer **e01** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, report a PR to the design engineer **e04** for a product design issue.

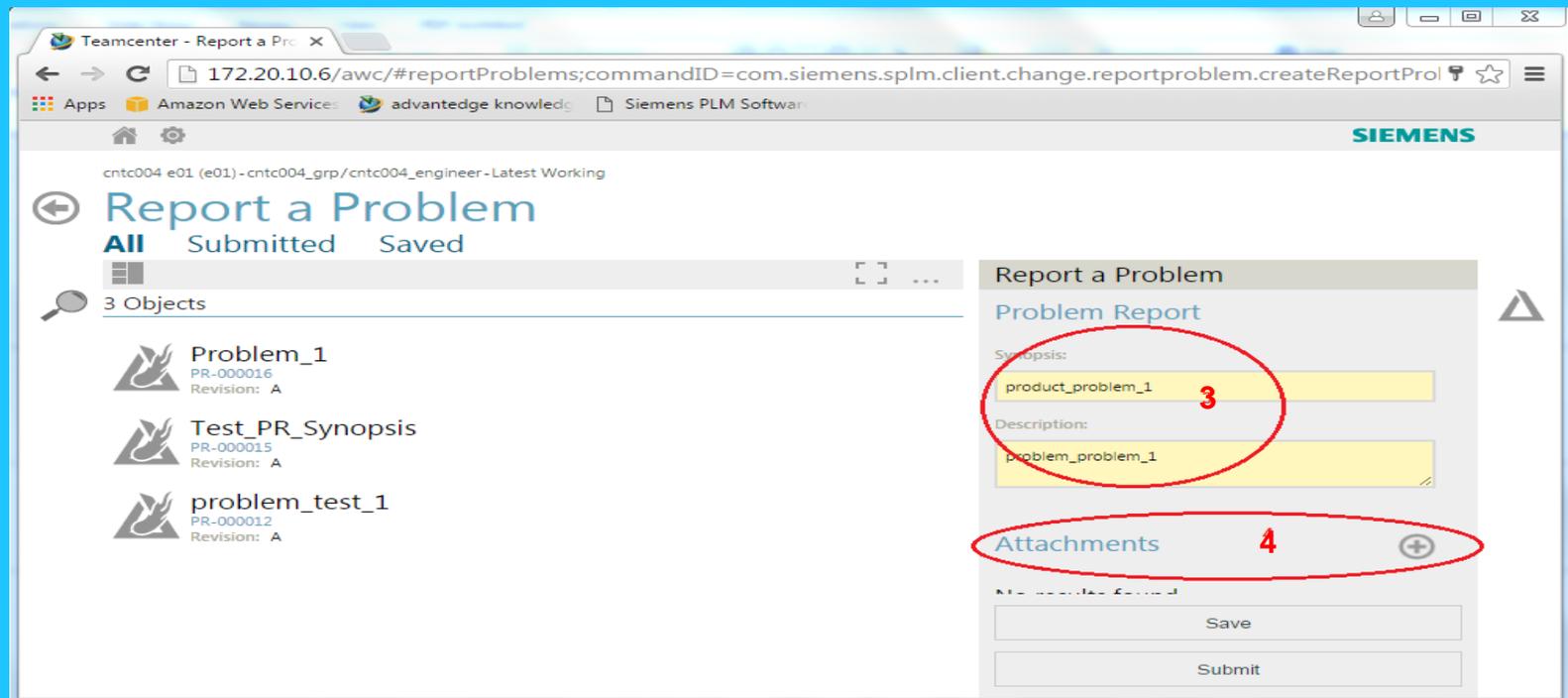


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (1). A Test engineer **e01** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, report a PR to the design engineer **e04** for a product design issue.

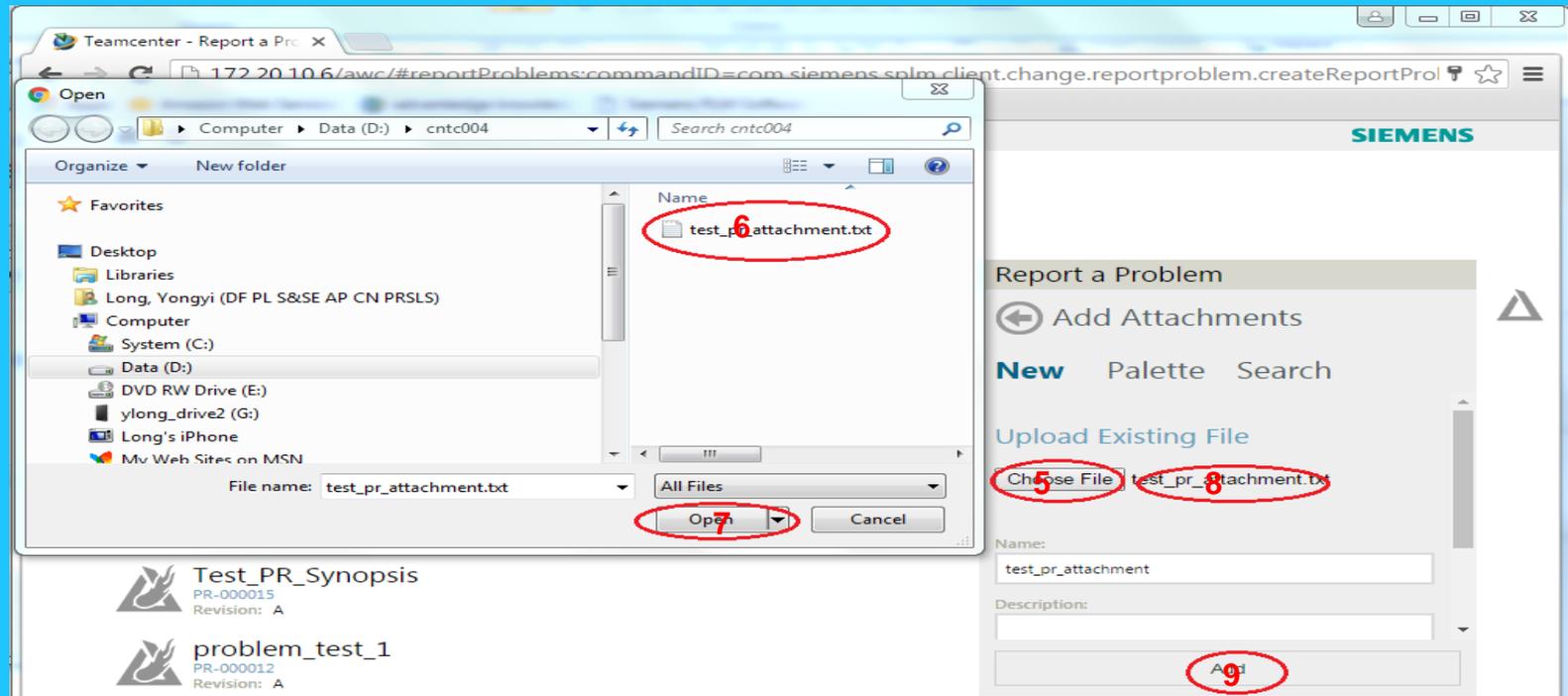


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (1). A Test engineer **e01** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, report a PR to the design engineer **e04** for a product design issue.

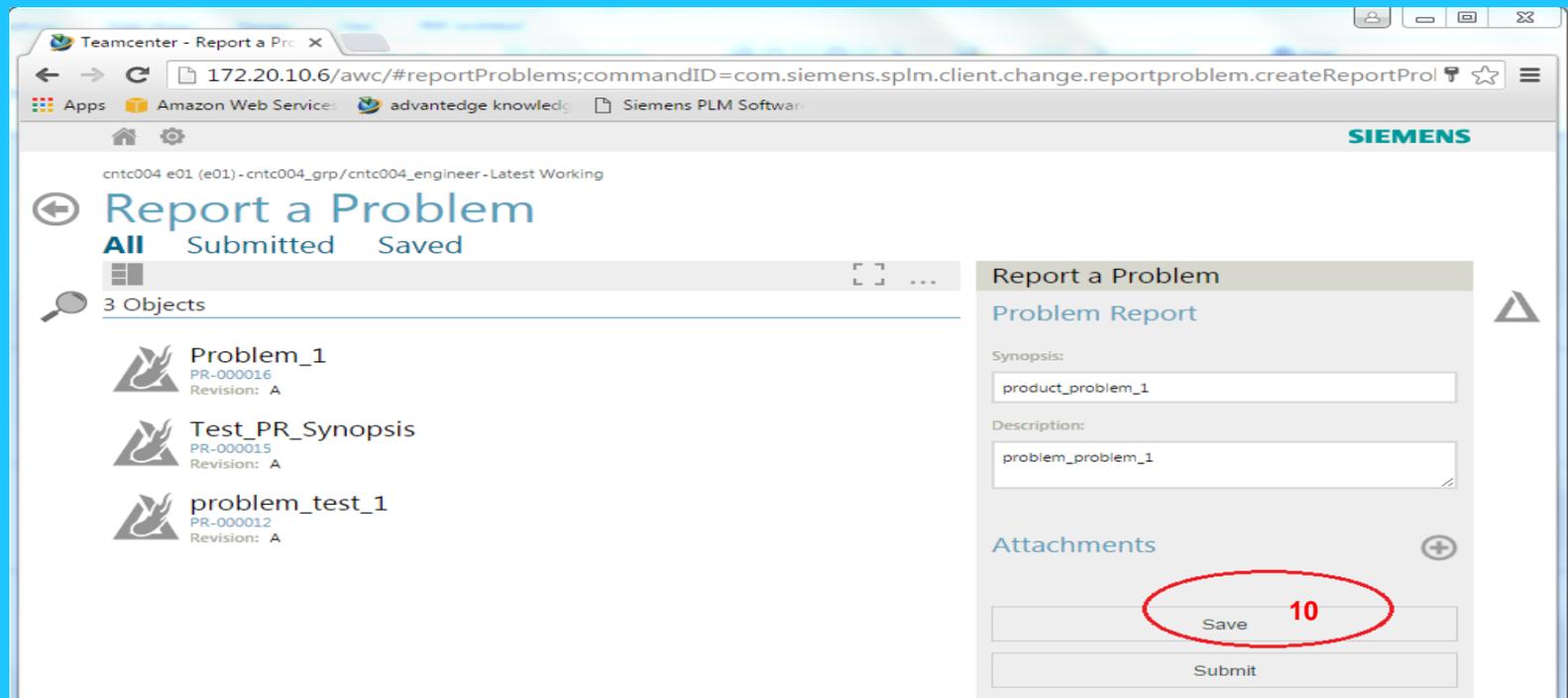


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (1). A Test engineer **e01** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, report a PR to the design engineer **e04** for a product design issue.



Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (1). A Test engineer **e01** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, report a PR to the design engineer **e04** for a product design issue.

The screenshot displays the Siemens Teamcenter AWC Client interface for a Product Report (PR-000017). The browser address bar shows the URL: 172.20.10.6/awc/#com.siemens.splm.clientfx.tcui.xrt.showObject;uid=AWZdVvq84eqrRC. The page title is "PR-000017/A;1-product_problem_1". The owner is "cntc004 e01 (e01)" and the last modified date is "12-Jun-2016 19:58". The release status is "Latest Working" and the type is "Problem Report Revision".

The interface is divided into several sections:

- Overview:** Includes tabs for "Overview", "Affected Items", "Reference Items", and "Participants".
- Properties:** Contains fields for "PR Number: PR-000017", "Revision: A", and "Synopsis: product_problem_1". The "Description" field contains "problem_problem_1".
- Submit to Workflow:** A panel on the right side of the page. It includes a "Workflow Template" dropdown menu with "cntc004_12 workflow" selected. Below it is the "Workflow Name" field with the value "PR-000017/A;1-product_problem_1".
- Description:** A text area at the bottom of the "Submit to Workflow" panel with the text "Sub13".

Red circles highlight the "Workflow Template" dropdown menu and the "Submit" button in the "Description" field.

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (1). A Test engineer **e01** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, report a PR to the design engineer **e04** for a product design issue.

The screenshot displays the Siemens Teamcenter AWC Client interface. The browser address bar shows the URL: 172.20.10.6/awc/#com.siemens.splm.clientfx.tcui.xrt.showObject;uid=AWZdVvq84eqrRC. The page title is "Teamcenter - PR-000017// X". The main content area shows the PR details for "PR-000017/A;1-product_problem_1". The owner is "cntc004 e01 (e01)" and the last modified date is "12-Jun-2016 19:58". The release status is "Latest Working". The type is "Problem Report Revision". The "Signoff" tab is highlighted with a red circle and the number "14". The "Properties" section on the left lists the following details:

- PR Number: PR-000017
- Revision: A
- Synopsis: product_problem_1
- Description: problem_problem_1
- Type: Problem Report Revision
- Release Status:
- Date Released:
- Effectivity:
- Technical Review Priority:
- Environment Description:
- Sequence Of Events:
- Verification:
- Ramification:
- Severity Rating:
- Maturity: Elaborating
- Disposition: None
- Closure: Open

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (1). A Test engineer **e01** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, report a PR to the design engineer **e04** for a product design issue.

The screenshot shows the Siemens Teamcenter AWC Client interface. The browser address bar displays the URL: 172.20.10.6/awc/#com.siemens.splm.clientfx.tcui.xrt.showObject;uid=AWZdVvq84eqrRC;page=Signoffs. The page title is "PR-000017/A;1-product_problem_1". The owner is "cntc004 e01 (e01)" and the last modified date is "12-Jun-2016 19:58". The release status is "Type: Problem Report Revision". The "Signoffs" tab is selected, and a table lists tasks. A red oval highlights the first row of the table.

TASK	ASSIGNEE	STATUS	END DATE	COMMENTS
create cntc004 change	15004 e04 (e04)	Started		

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.

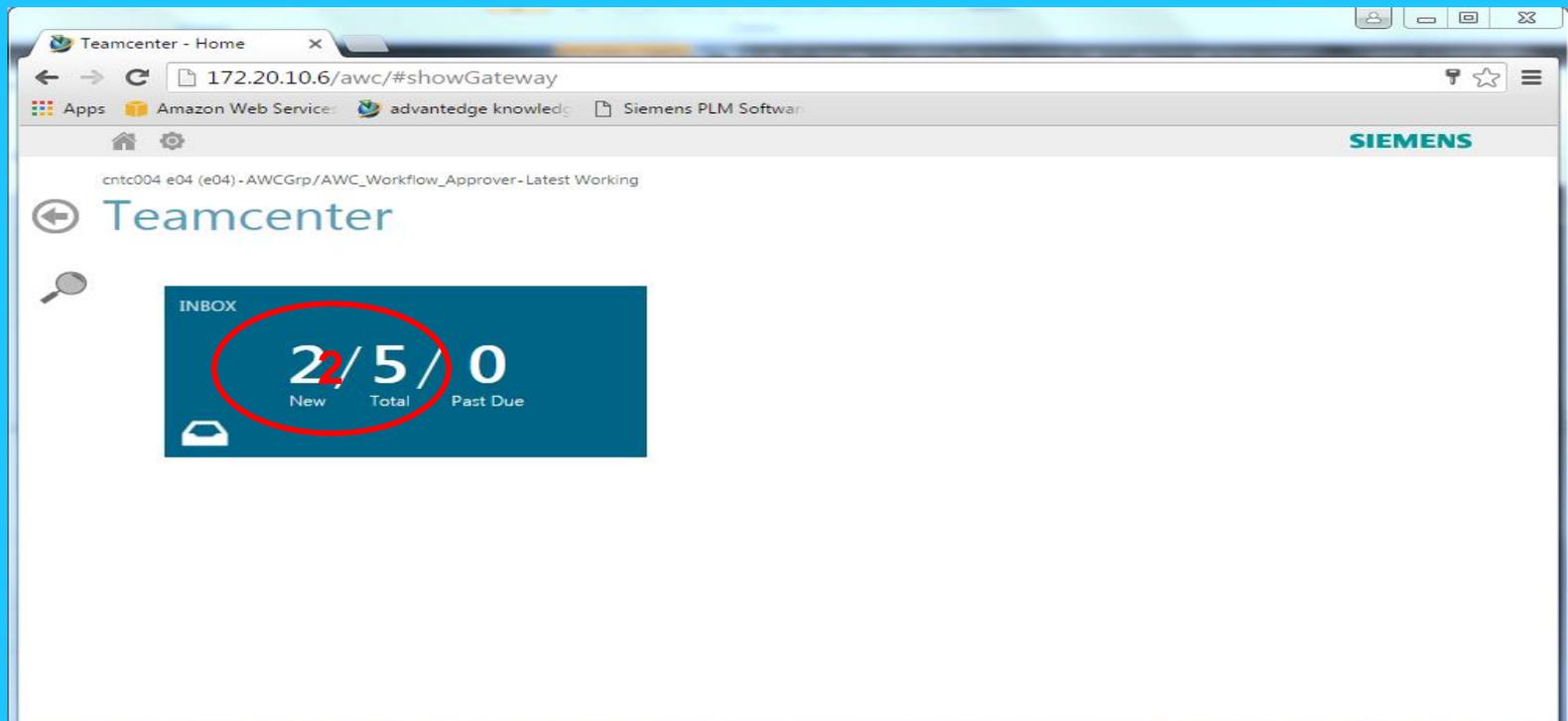


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.



Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.

The screenshot shows the Teamcenter AWC Client interface. The browser address bar displays `172.20.10.6/awc/#myTasks`. The page title is "Inbox" and the sub-header is "My Tasks". A search bar indicates "5 results found for 'My Tasks'". The task list includes:

- create cntc004 chan...** (circled in red with a red '3')
PR-000017/A;1-product_problem_1
Assignee: cntc004 e04 (e04)
Start Date: 12-Jun-2016 20:00
- create cntc004 chan...
PR-000016/A;1-Problem_1
Assignee: cntc004 e04 (e04)
Start Date: 12-Jun-2016 19:47
- create
PR-000008/A;1-test_30
Assignee: cntc004 e04 (e04)
Start Date: 09-Jun-2016 12:20
- cntc004_workflow
PR-000003/A;1-test
Assignee: cntc004 e04 (e04)
Start Date: 09-Jun-2016 11:40

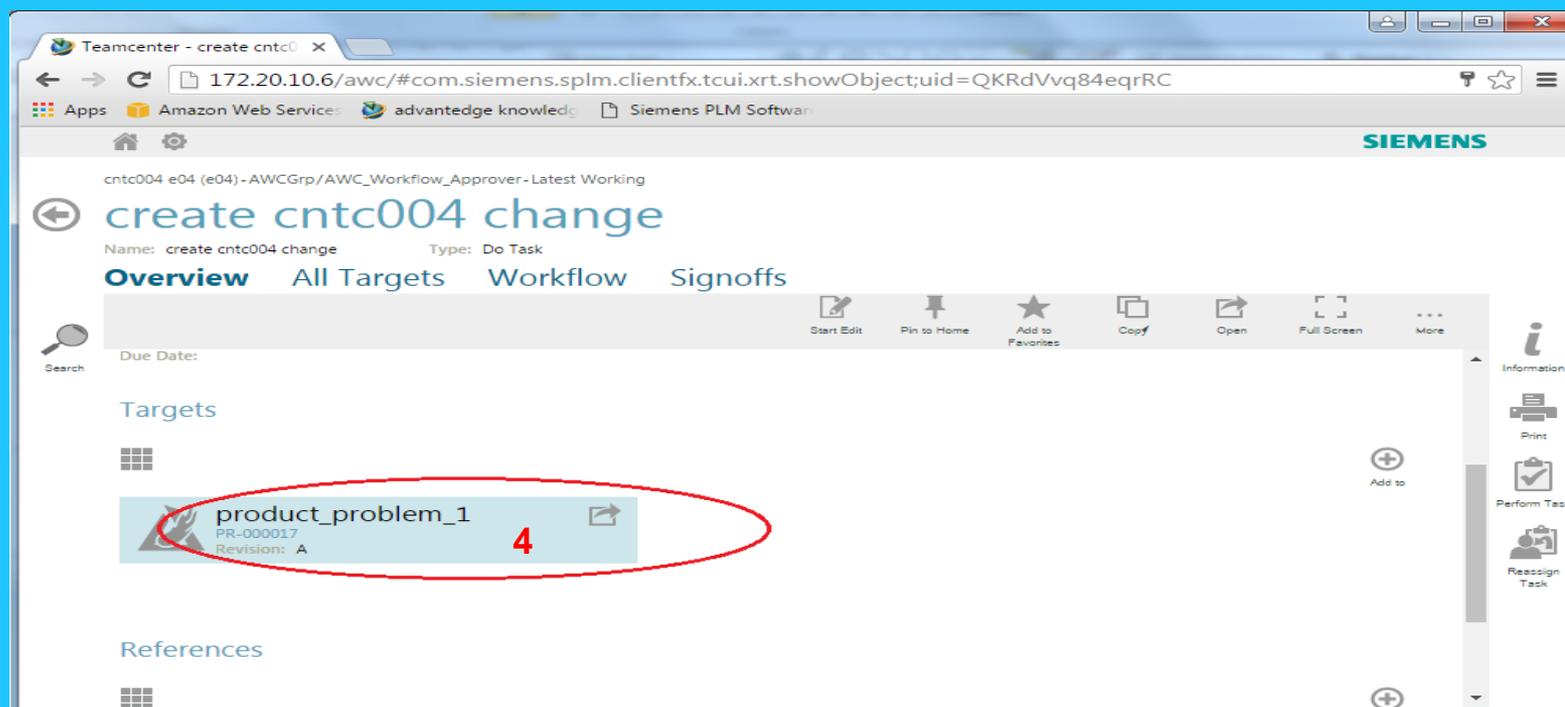
To the right of the task list is a bar chart titled "Filter Results by Initiator" with three bars of different heights and colors (teal, grey, light blue).

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.

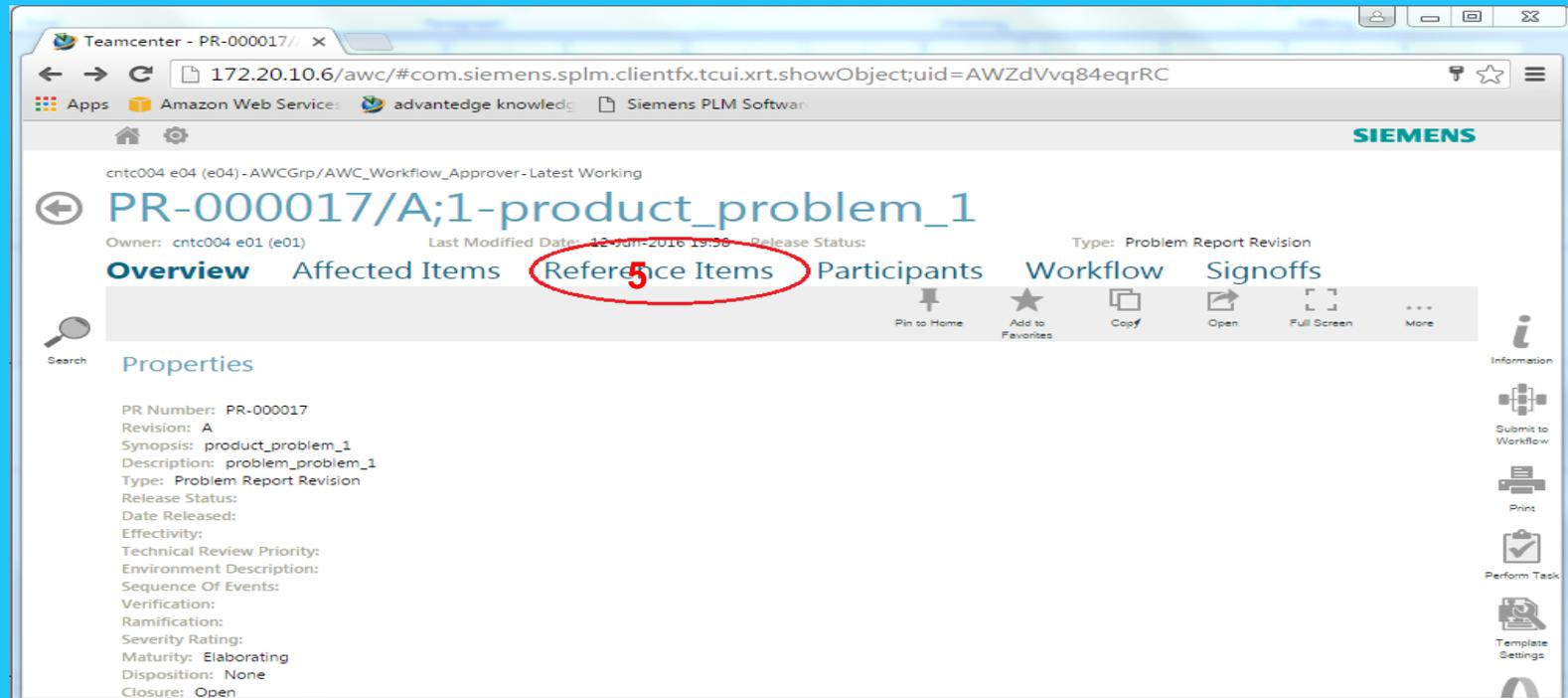


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer e04 logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.



Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.

The screenshot displays the Siemens Teamcenter AWC Client interface for a problem report revision. The browser address bar shows the URL: 172.20.10.6/awc/#com.siemens.splm.clientfx.tcui.xrt.showObject;uid=AWZdVvq84eqRC;page=Reference+Items. The page title is "PR-000017/A;1-product_problem_1". The owner is "cntc004 e01 (e01)" and the last modified date is "12-Jun-2016 19:58". The release status is "Released". The type is "Problem Report Revision".

The navigation tabs include "Overview", "Affected Items", "Reference Items" (circled in red), "Participants", "Workflow", and "Signoffs". The "Reference Items" tab is active, showing a table with the following data:

OBJECT	TYPE	RELEASE STATUS	DATE RELEASED	OWNER
test_pr_attachment 7	Text			cntc004 e01 (e01)

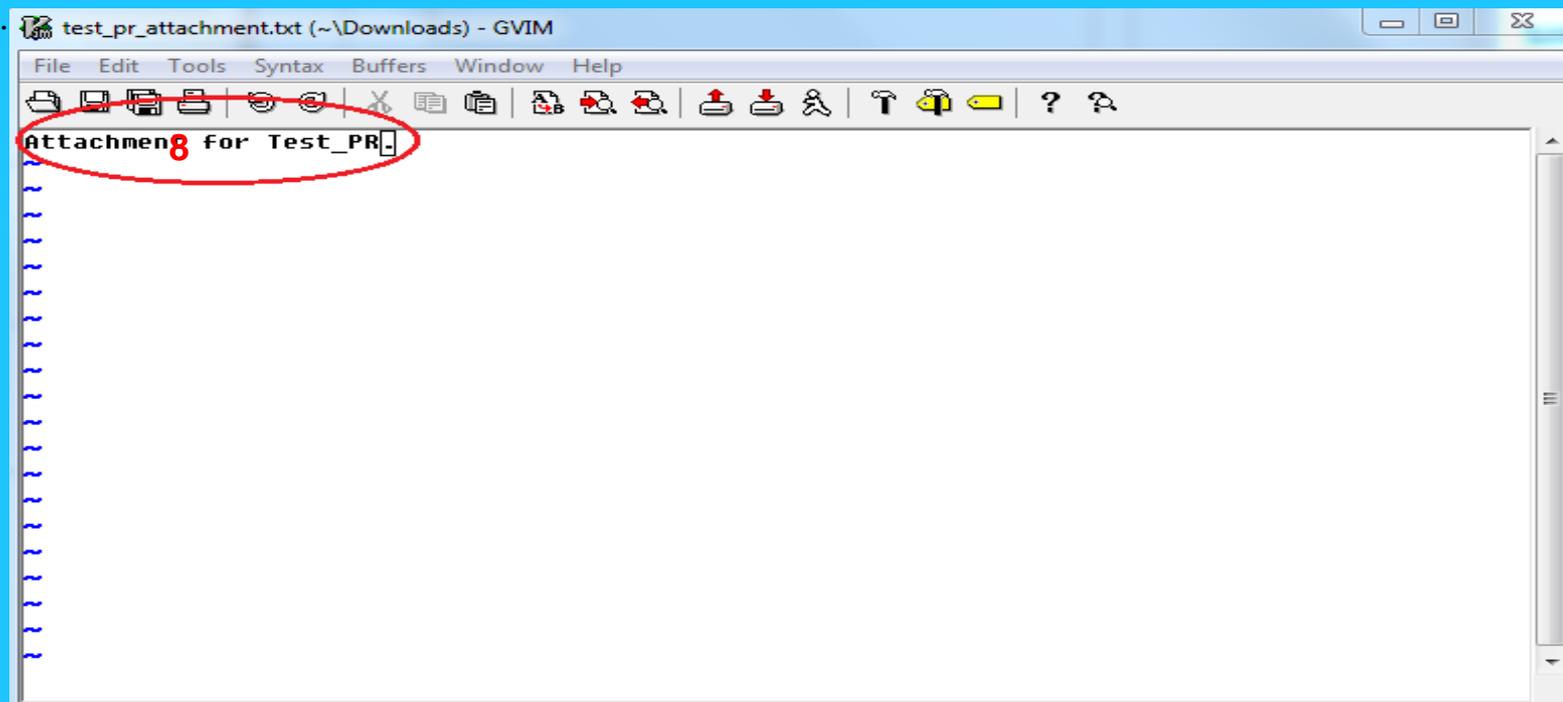
The number "7" and the "Text" type are circled in red. Below the table, there is a section for "Reference Files".

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.



Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.

The screenshot displays the Siemens Teamcenter AWC Client interface. The browser address bar shows the URL: 172.20.10.6/awc/#com.siemens.splm.clientfx.tcui.xrt.showObject;uid=AWZdVvq84eqrRC;page=Reference+Items. The page title is "PR-000017/A;1-product_problem_1". The owner is "cntc004 e01 (e01)" and the last modified date is "12-Jun-2016 19:58". The release status is "Latest Working". The type is "Problem Report Revision".

The interface includes a search bar with the text: "Reference Items and Files are not modified or released by the Change Order." Below the search bar is a table of reference items:

OBJECT	TYPE	RELEASE STATUS	DATE RELEASED	OWNER
test_pr_attachment	Text			cntc004 e01 (e01)

The sidebar on the right contains several icons, including "Information", "Submit to Workflow", "Print", "Perform Task" (highlighted with a red circle), and "Template Settings".

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer e04 logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.

The screenshot displays the Siemens Teamcenter AWC Client interface. The browser address bar shows the URL: 172.20.10.6/awc/#com.siemens.splm.clientfx.tcui.xrt.showObject;uid=QKRdVvq84eqrRC;cmdId=com.siemens.splr. The page title is "create cntc004 change". The main content area is divided into several sections:

- Overview**: Shows the task name "create cntc004 change" and type "Do Task".
- Properties**: Lists details such as Name, Description, Assignee (cntc004 e04), Task State (Started), Priority, Start Date (12-Jun-2016 20:00), Last Modifying User (cntc004 e04), and Due Date.
- Perform Task**: A panel on the right side where the task is being executed. It includes a "Comments" field with the text "fixed time issue." and a "Complete" button.

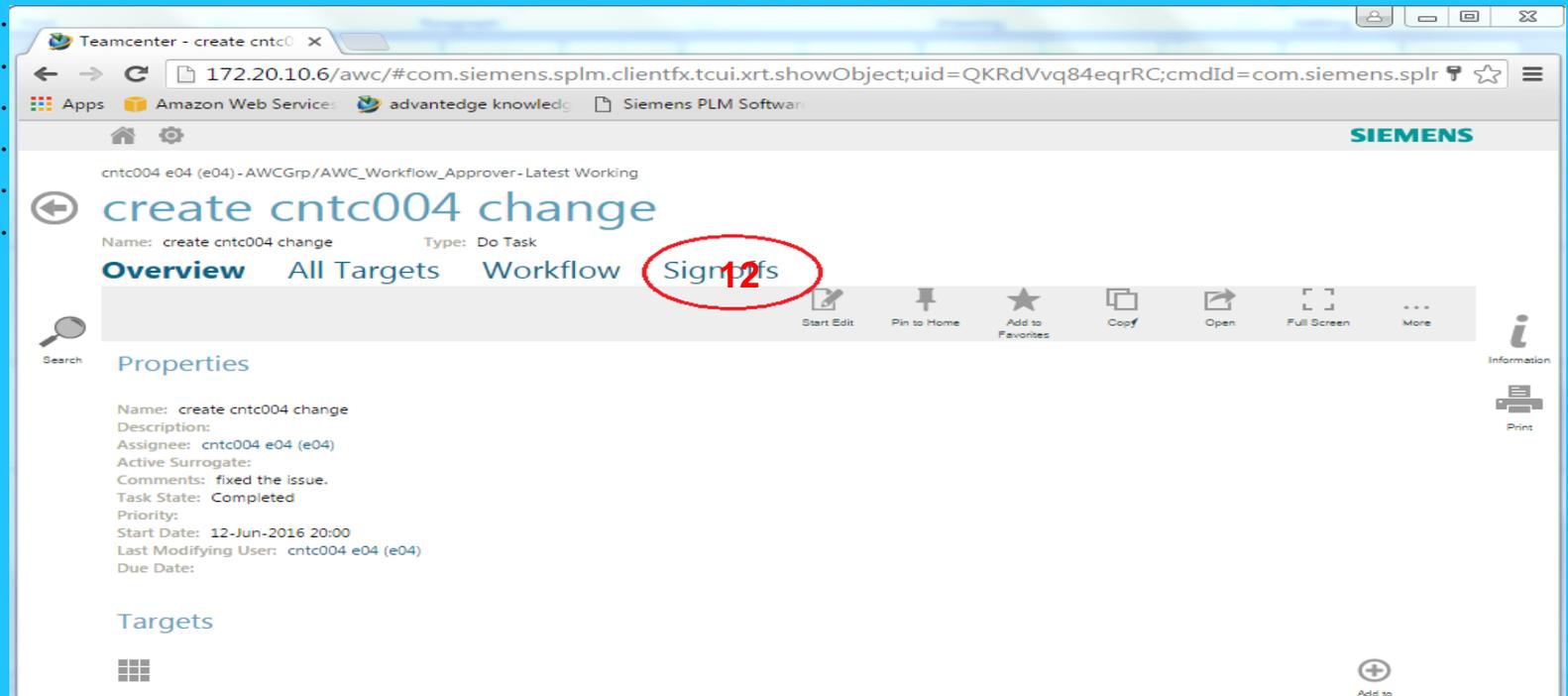
Red circles highlight the "fixed time issue." text in the comments field and the "Complete" button.

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.



Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (2). The design engineer **e04** logs in to Teamcenter AWC Client (<http://172.20.1.1/awc>) on his laptop, reviews the issues and makes a change on the design, then sign off the change for approval.

The screenshot shows the Siemens Teamcenter AWC Client interface. The browser address bar displays the URL: 172.20.10.6/awc/#com.siemens.splm.clientfx.tcui.xrt.showObject;uid=QKRdVvq84eqrRC;cmdId=com.siemens.splr. The page title is "create cntc004 change". The interface includes a search bar, a navigation menu with "Overview", "All Targets", "Workflow", and "Signoffs", and a toolbar with icons for "Start Edit", "Pin to Home", "Add to Favorites", "Copy", "Open", "Full Screen", and "More". A table lists the tasks:

TASK	ASSIGNEE	STATUS	END DATE	COMMENTS
create cntc004 change	cntc004 e04 (e04)	Completed	12-Jun-2016 20:46	fixed the issue.
review cntc004 change	cntc004 p04 (p04)	No Decision		

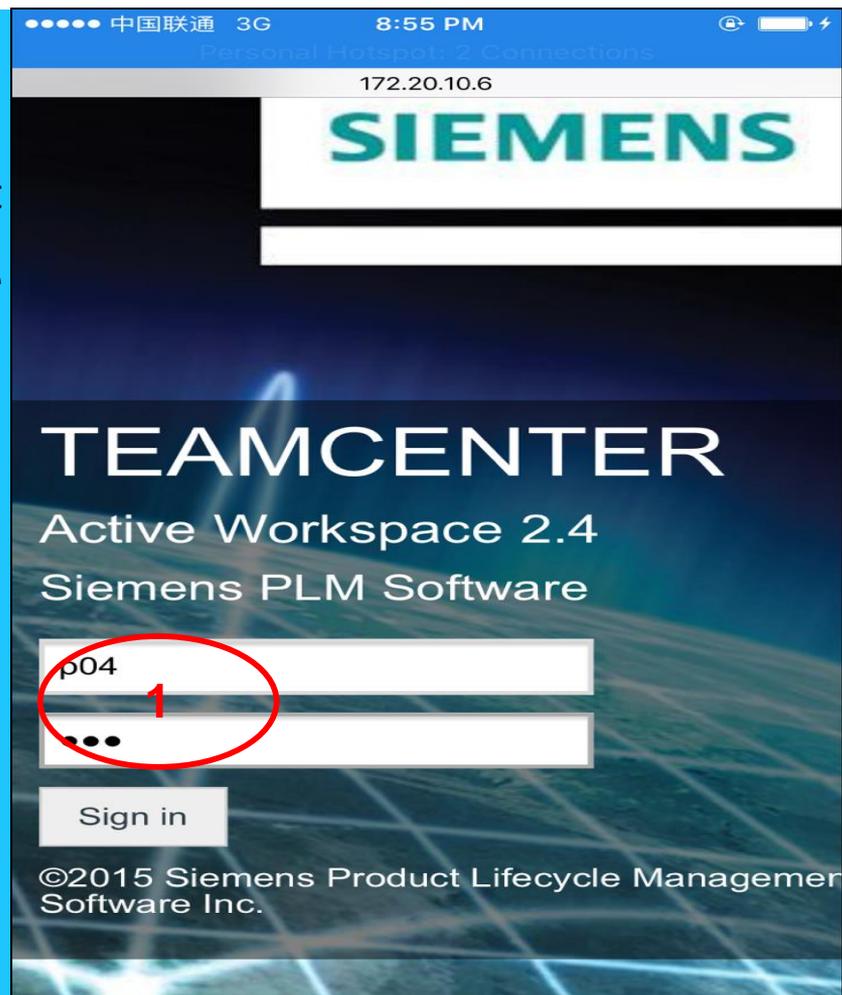
The "review cntc004 change" task is circled in red, and the number "13" is written next to it.

Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (3). The project leader **p04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews and approves the change made to the design.

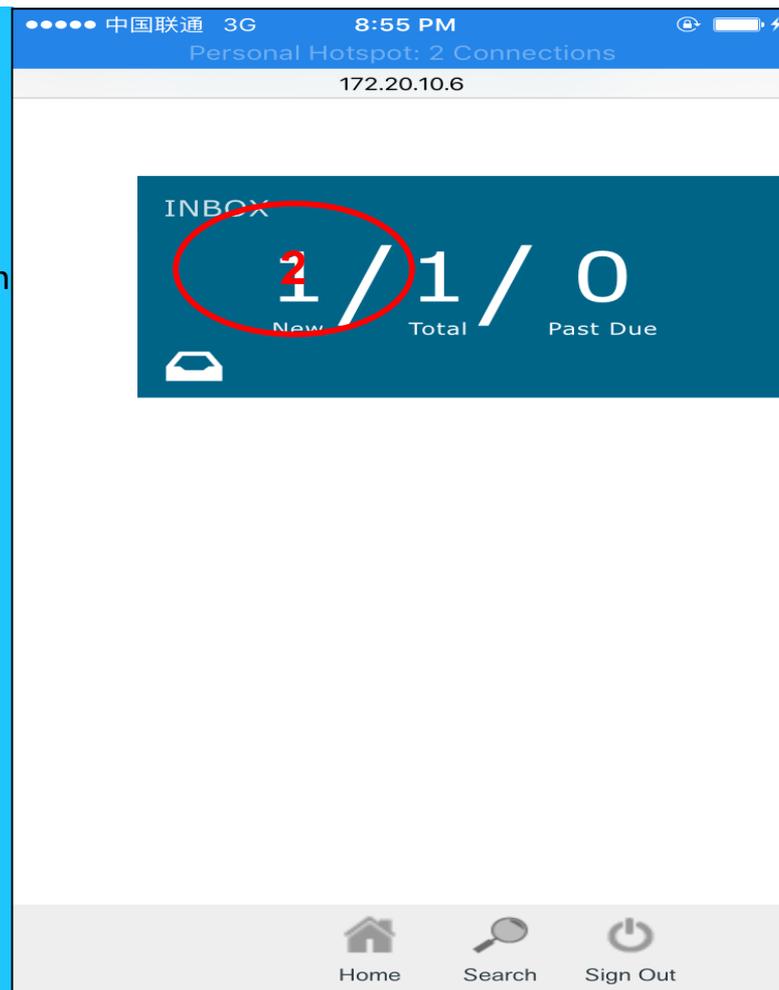


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (3). The project leader **p04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews and approves the change made to the design

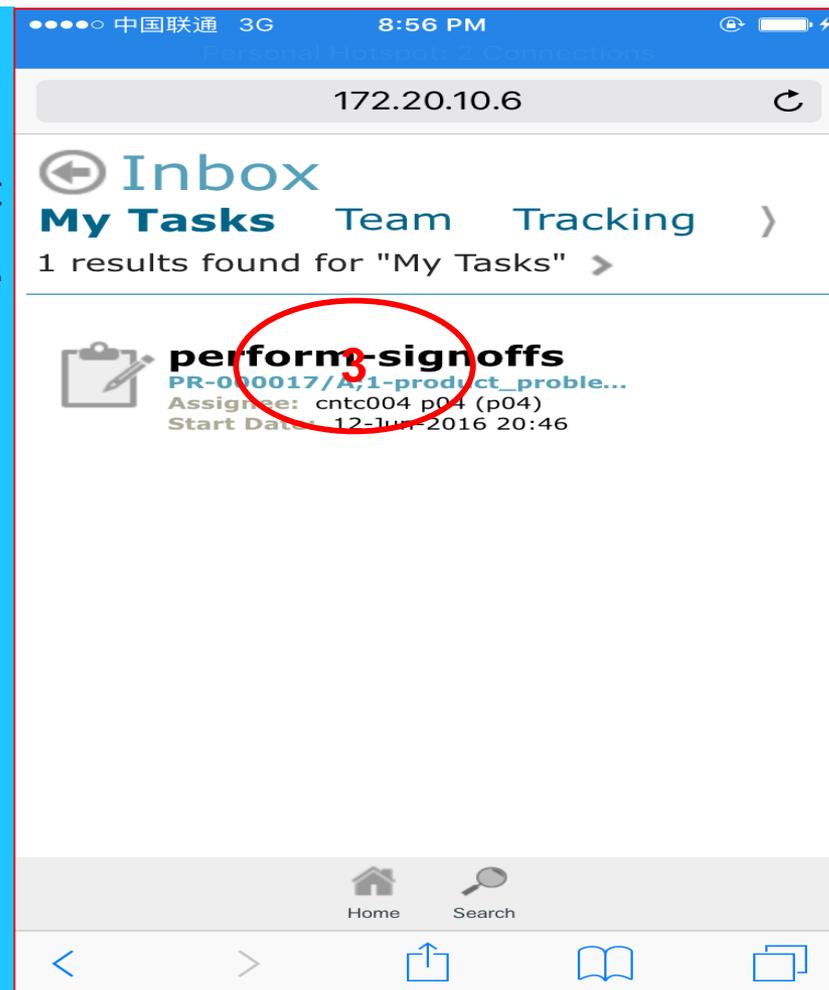


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (3). The project leader **p04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews and approves the change made to the design.

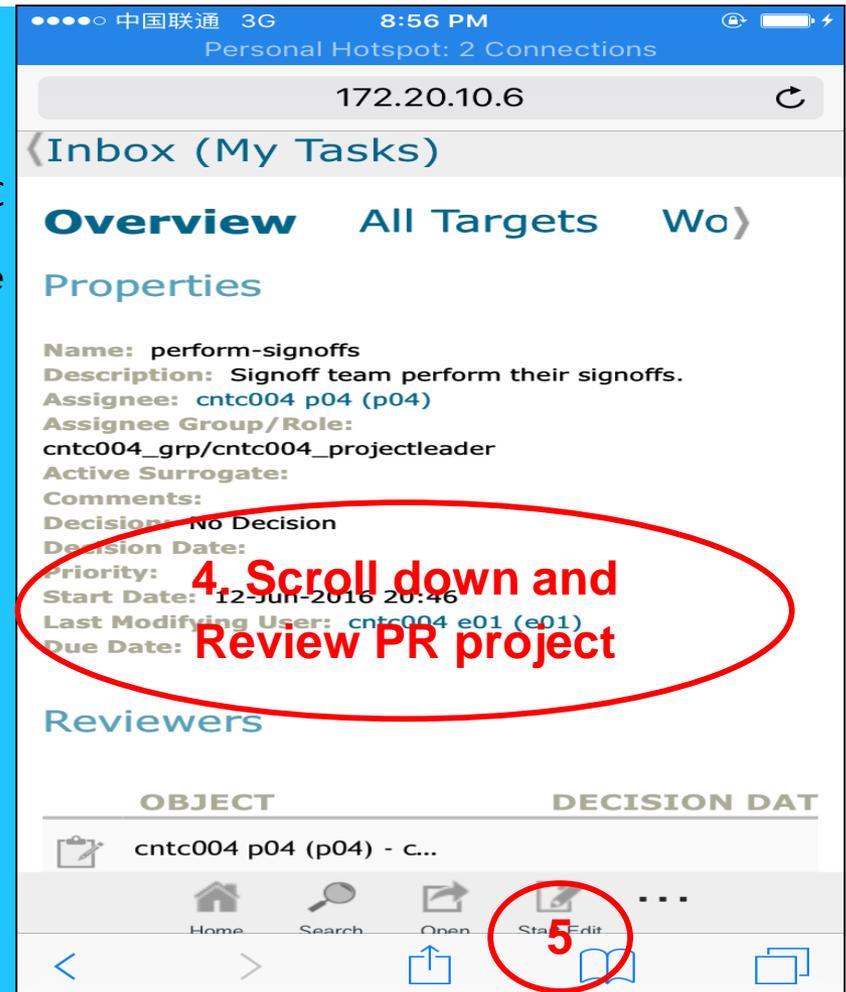


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (3). The project leader **p04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews and approves the change made to the design.

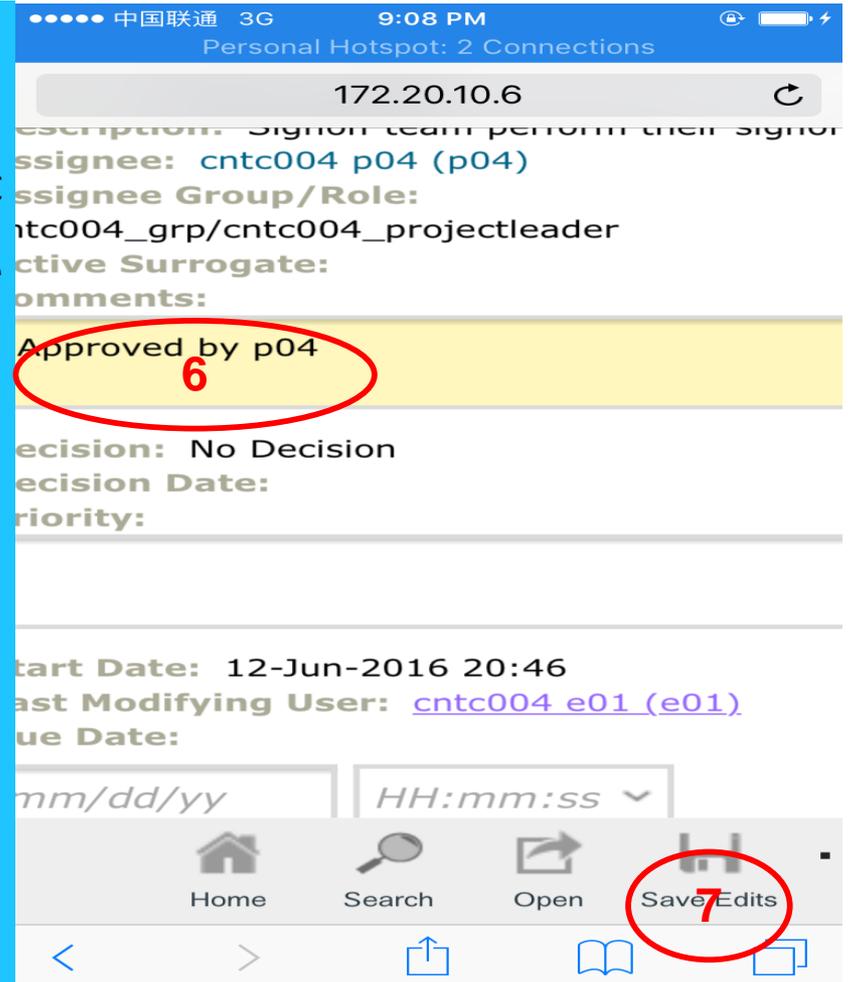


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (3). The project leader **p04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews and approves the change made to the design.

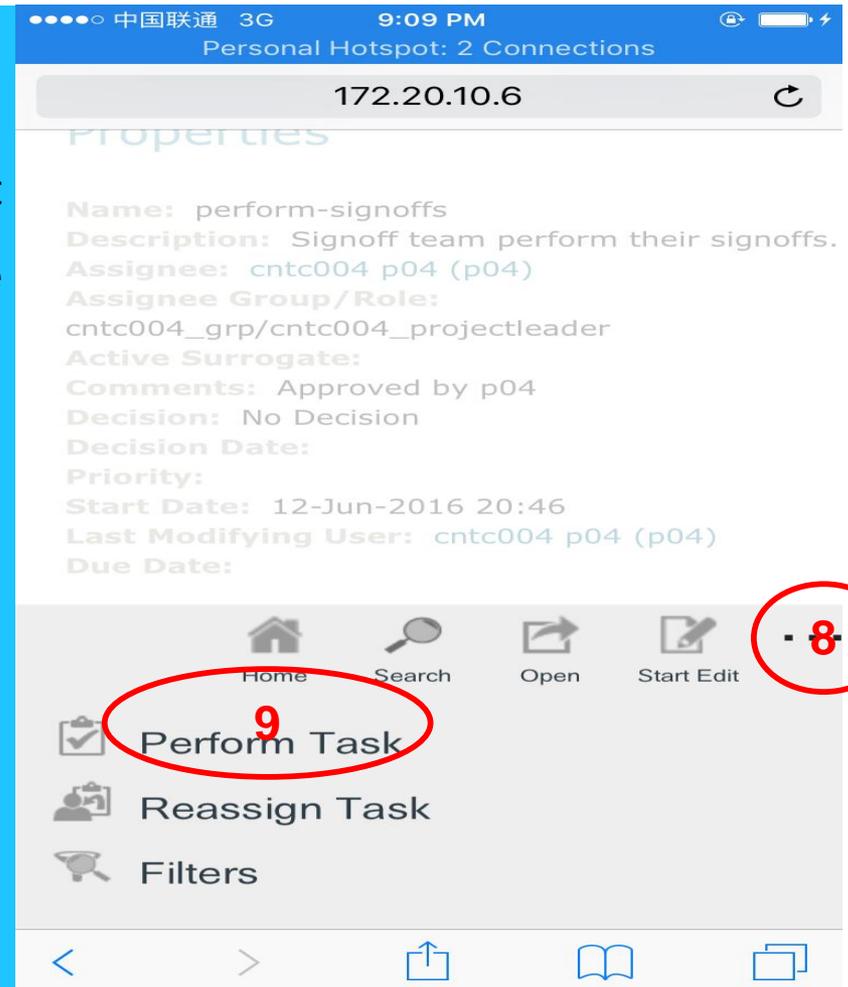


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (3). The project leader **p04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews and approves the change made to the design.

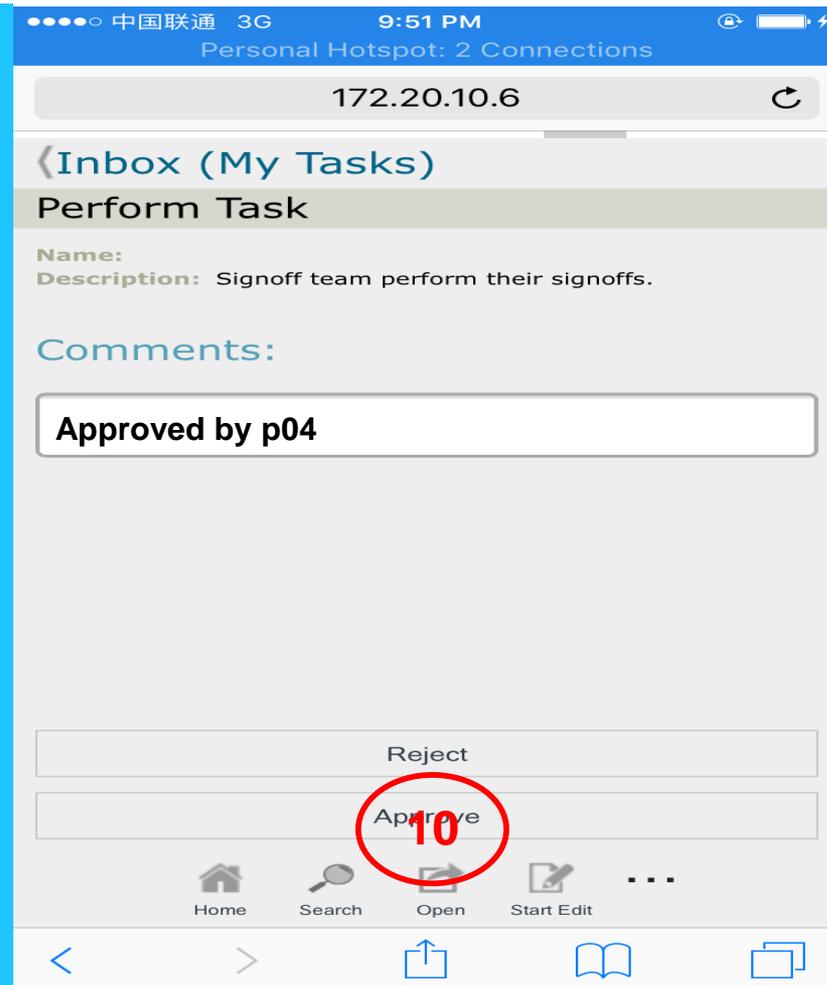


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (3). The project leader **p04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews and approves the change made to the design.

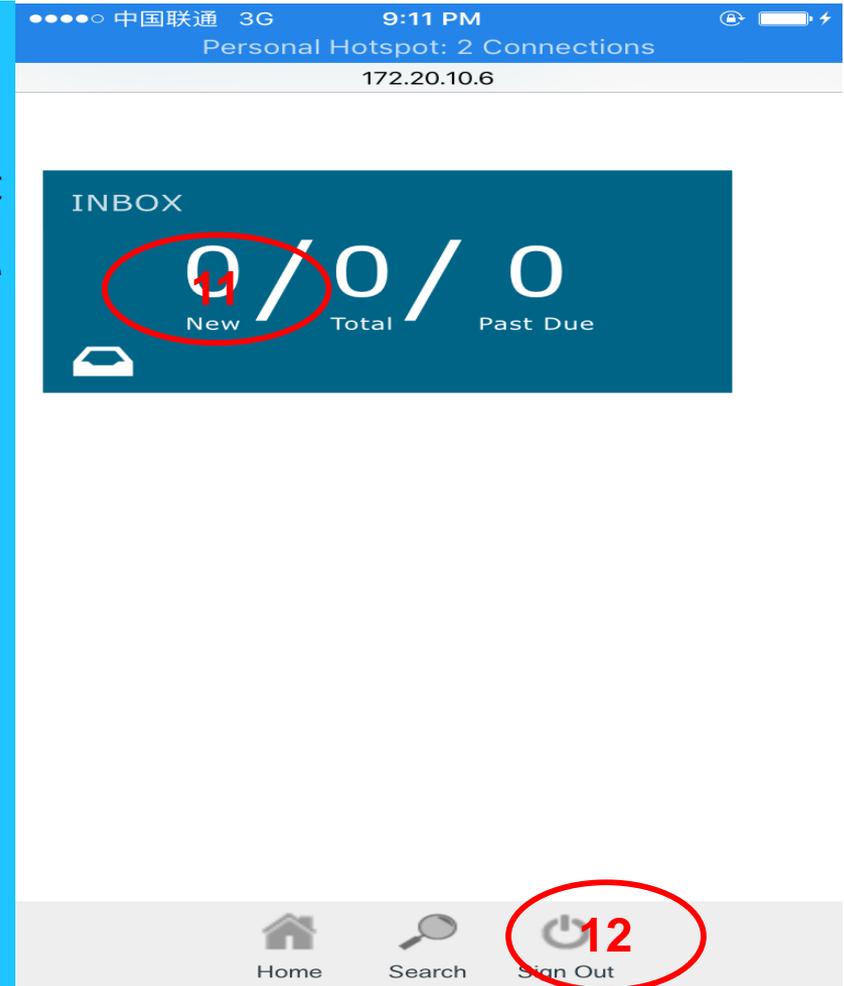


Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (3). The project leader **p04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews and approves the change made to the design.



Practice AWC Client Mobility Feature (6)

Practice AWC Client Mobility Feature

Step 4: Test AWC Client mobility feature - continued

- (4). The director **d04** login to Teamcenter AWC Client (<http://172.20.1.1/awc>) with his cell phone. He reviews the change made to the design and makes a final approval.

The approval steps are the same as project leader p04.

Thank you!

Learn and grow with our customers every day!