

“Code Coverage Manager” from Infosys

Work Instructions

Copyright Notice

“The contents of this document are proprietary and confidential to Infosys Ltd. and may not be disclosed in whole or in part at any time, to any third party without the prior written consent of Infosys Ltd.”

© 2024 Infosys Limited, Bangalore, India. All rights reserved. Infosys believes the information in this presentation is accurate as of its publication date; such information is subject to change without notice. Infosys acknowledges the proprietary rights of other companies to the trademarks, product names and such other intellectual property rights mentioned in this document. Except as expressly permitted, neither this presentation nor any part of it may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, printing, photocopying, recording or otherwise, without the prior permission of Infosys Limited and/or any named intellectual property rights holders under this presentation.

EXTERNAL

“Code Coverage Manager” from Infosys

Work Instructions

Applies to:	Salesforce practitioners
Objective:	This document provides work instructions for installing “Code Coverage Manager” application from Infosys
Policy or Handbook Reference	N/A
Prerequisites	N/A

Introduction

This document provides step-by-step instructions for installing “Code Coverage Manager” application from Infosys.

Goals

Track Code coverage of components and assist for easy reporting.

Scope

Salesforce CRM Platform Sandboxes

What’s New

The current version on Code Coverage manager application has been enhanced with below new features:

- An option is available to include flow components, allowing users to check coverage for flows.
- Code coverage results now include previous coverage, component modified date and user who modified it.
- Improved security and error handling
- The 1000 test methods execution limit has been overcome with a new logic of rescheduling based on the number of test classes under execution.
- An option to include the email addresses in CC while sending coverage email.
- Code coverage results emails are enriched with coverage and error details sent as attachments.
- In excel export; the components are grouped by coverage with color-coding. The components are attached with hyperlinks for easy navigation to the salesforce instance.
- Option to delete connection and component group.
- Option to select all component with ‘Export all’ check box on ‘Extract code coverage’ tab

“Code Coverage Manager” from Infosys

Work Instructions

- Functionality for the archival of components with ‘Retention Settings’

“Code Coverage Manager” from Infosys

Work Instructions

Work Instructions

Step	Instruction	Illustration	Expected Result
1	Install the package from the AppExchange listing.	1a, 1b, 2, & 3	Installation is successfully completed.

Figure 1a:

Code Coverage Manager
Code coverage management made Easy with "Code Coverage Manager" by Infosys
***** (No listing)
Free - Details below

OVERVIEW DETAILS REVIEWS PROVIDER Save Get It Now

Almost there!

WHAT YOU ARE INSTALLING

PACKAGE	Code Coverage Manager
VERSION	Infosys Code Coverage Manager (Beta3 / 1.3.0)
SUBSCRIPTION	Free
DURATION	Does Not Expire
NUMBER OF SUBSCRIBERS	Site-wide

WHERE YOU ARE INSTALLING

ORGANIZATION	
EDITION	Enterprise
USER NAME	

☒ I have read and agree to the terms and conditions .

[Cancel Install](#) [Back to previous step](#) [Confirm and Install](#)

Figure 1b:

“Code Coverage Manager” from Infosys

Work Instructions

Install Code Coverage Manager

By Infosys Limited


☐ Install for Admins Only


☒ Install for All Users


☐ Install for Specific Profiles...

Install

Cancel

App Name	Publisher	Version Name	Version Number
Code Coverage Manager	Infosys Limited	Beta5	1.5

Description

“Code Coverage Manager” app helps manage the code coverage of the Salesforce implementation across orgs centrally, using features, such as visual representation, trends, and release tracking, thus improving delivery predictability and code quality.

Figure 2:

“Code Coverage Manager” from Infosys

Work Instructions

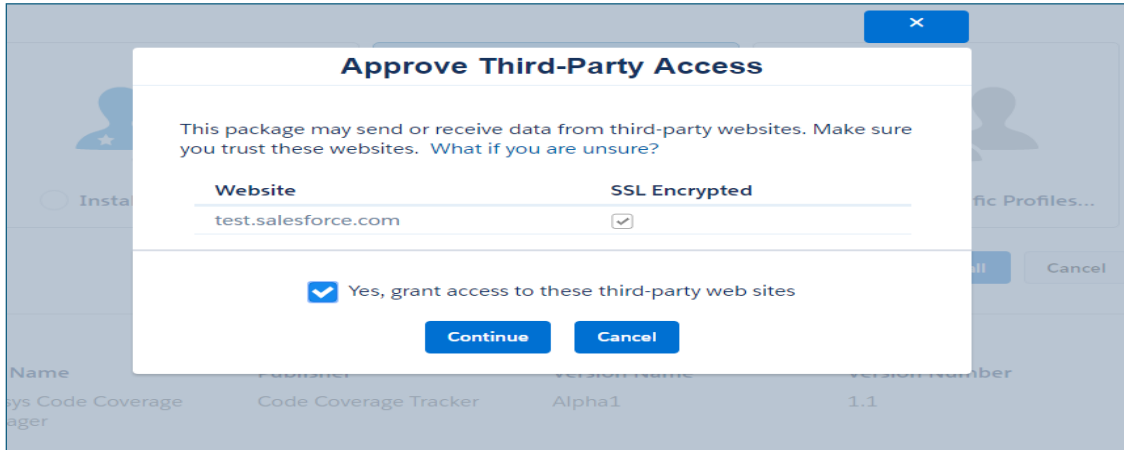
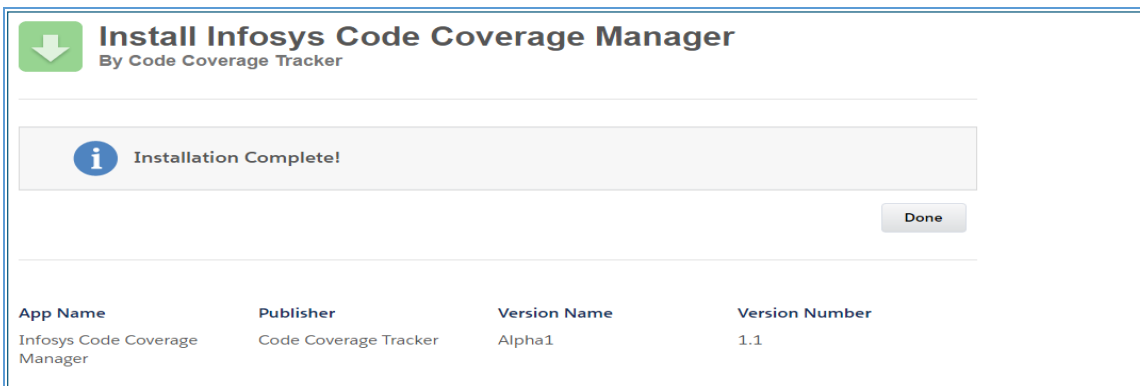


Figure 3:

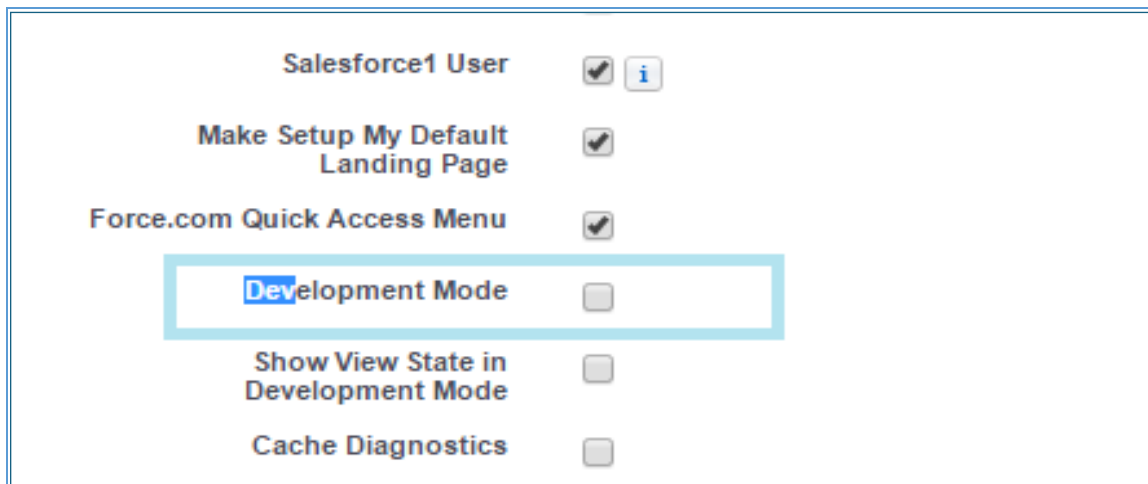


“Code Coverage Manager” from Infosys

Work Instructions

Step	Instruction	Illustration	Expected Result
2	Ensure that the Development mode is turned off for the user profile Tip: Click on your name on top right corner -> Go to My Settings-> Personal -> Advance user details -> Uncheck Development Mode	Go to User Profile and remove the checkbox Please refer to figure 4	N/A

Figure 4:



Step	Instruction	Illustration	Expected Result
3	Add users to the permission set to access ‘Code coverage Manager’ application. Permission Set Name: “Code Coverage Manager User” Tip: Search for Permission Sets in Quick Find box under the Setup tab -> Click on “Code Coverage Manager User” ->Manage Assignments - > Add users to the permission set	Please refer to figure 5 & 6	User is able to access “Code Coverage Manager” application.

“Code Coverage Manager” from Infosys

Work Instructions

Figure 5:

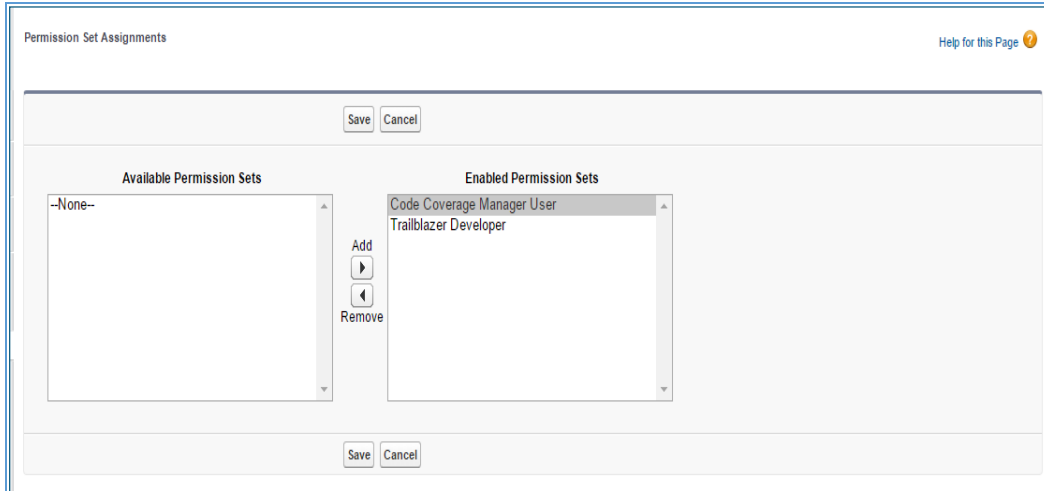
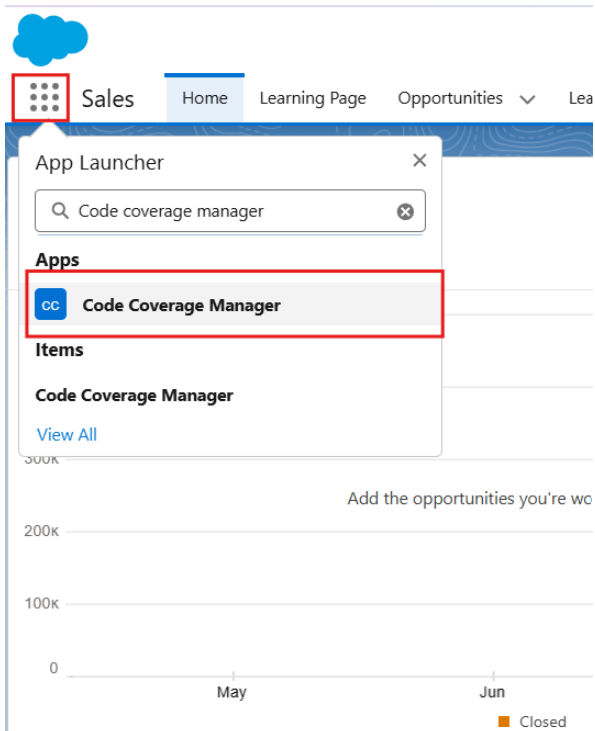


Figure 6:



“Code Coverage Manager” from Infosys

Work Instructions

Step	Instruction	Illustration	Expected Result
4	Configure External Client App in the remote instance and connect it to the secured endpoints through named external credential's in the current instance.	Please refer to figure 7(a – f) Please refer to figure 8(a – i)	The new entry is created under “External Client App” section under Apps page for remote instance (where the app needs to connect). Configure Secured Endpoints using External Credentials in current instance (Where the app is installed) using as per the figures shown The application contains 4 tabs: • Home: Home Page • Remote Auth Details: List of all connected instances • Add/Modify Remote Auth: An interface to setup and maintain remote connectivity. To be used as a first step, before measuring code coverage; used normally, as the onetime setup for the instance. • Code Coverage Manager: An interface to manage the code coverage. Frequently used tab.

Figure 7a:

Go to External Client App Manager (Remote Org)

“Code Coverage Manager” from Infosys

Work Instructions

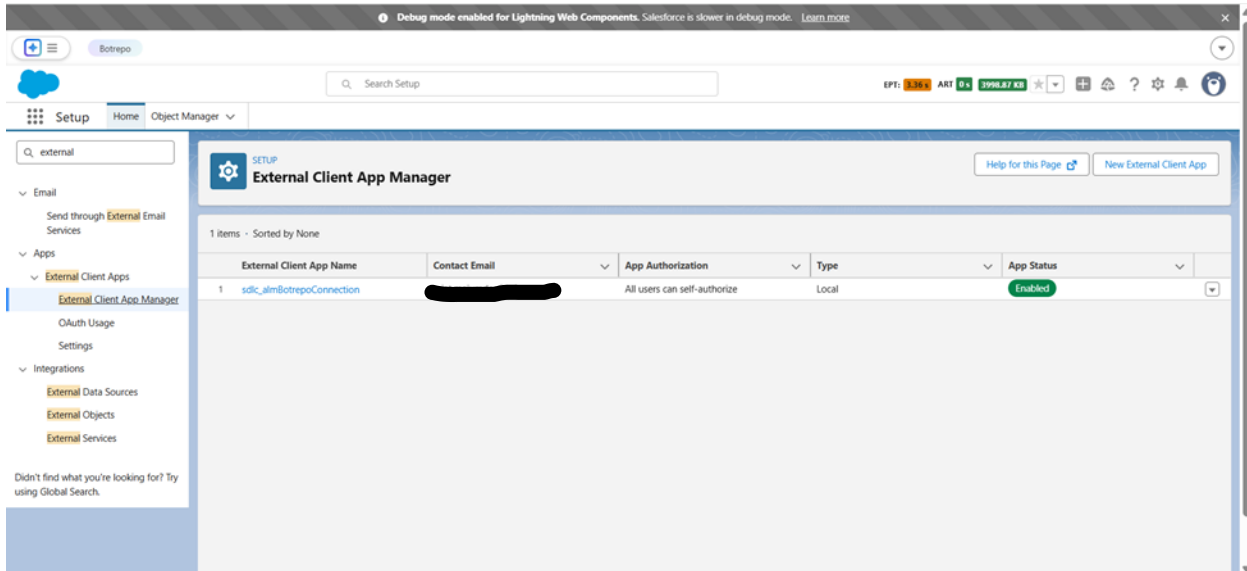


Figure 7b:

Create new External Client app -> Fill Basic Information and Click Save (Remote Org)

Note: Select Distribution State as 'Local'.

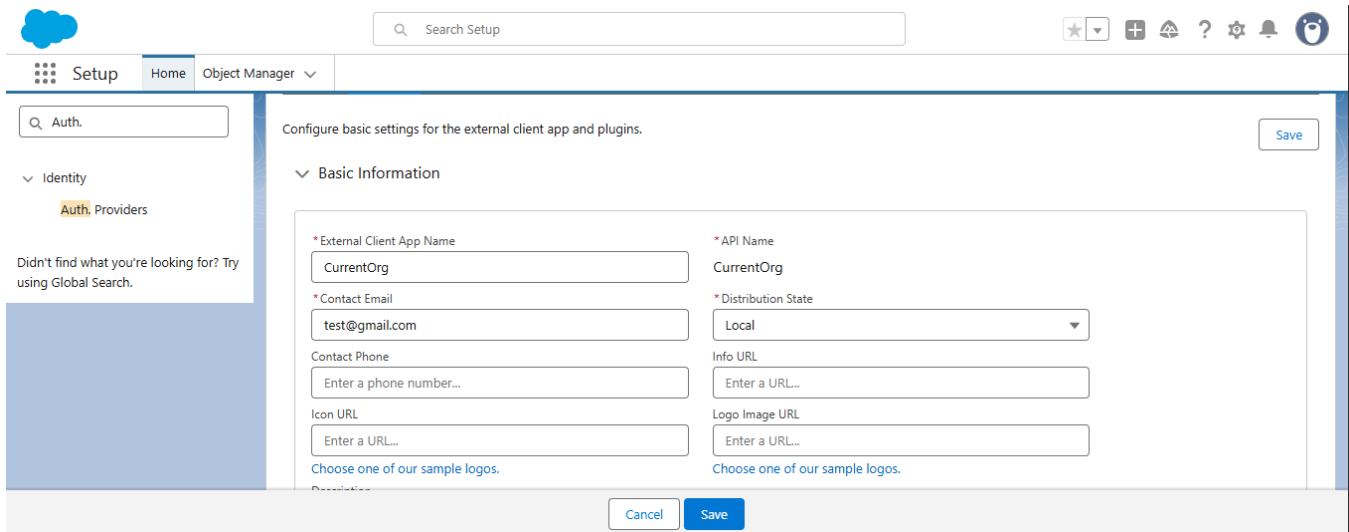


Figure 7c:

Go to Settings Tab and Click on edit (Remote Org)

“Code Coverage Manager” from Infosys

Work Instructions

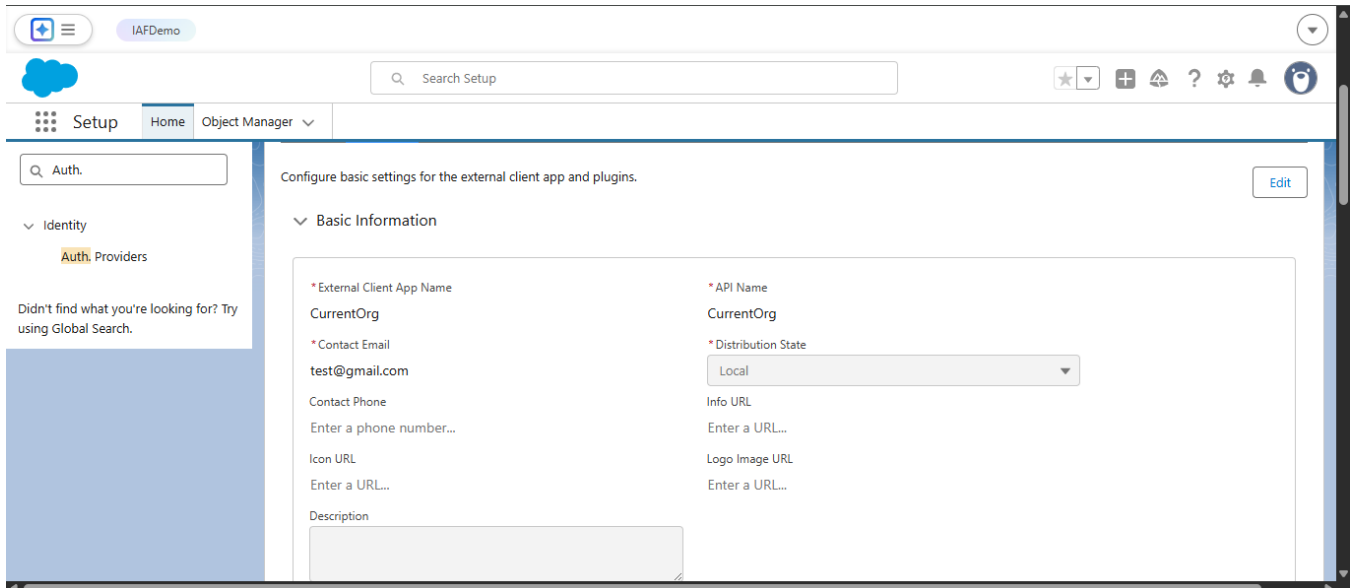


Figure 7d:

Go to OAuth Settings and click on checkbox 'Enable OAuth'. Provide any Callback url (This will be replaced later) Select Scope As 'Full Access (full)' and 'Perform Request at any time (refresh_token,offline_access)'

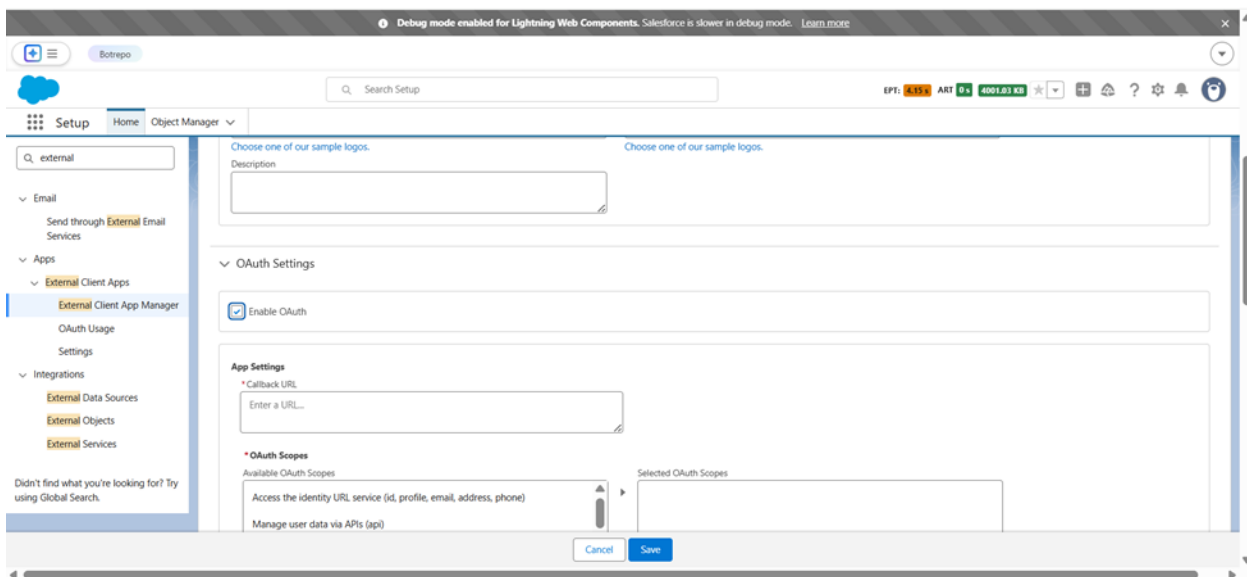


Figure 7e:

Deselect 3rd checkbox in the Security Section and Save

“Code Coverage Manager” from Infosys

Work Instructions

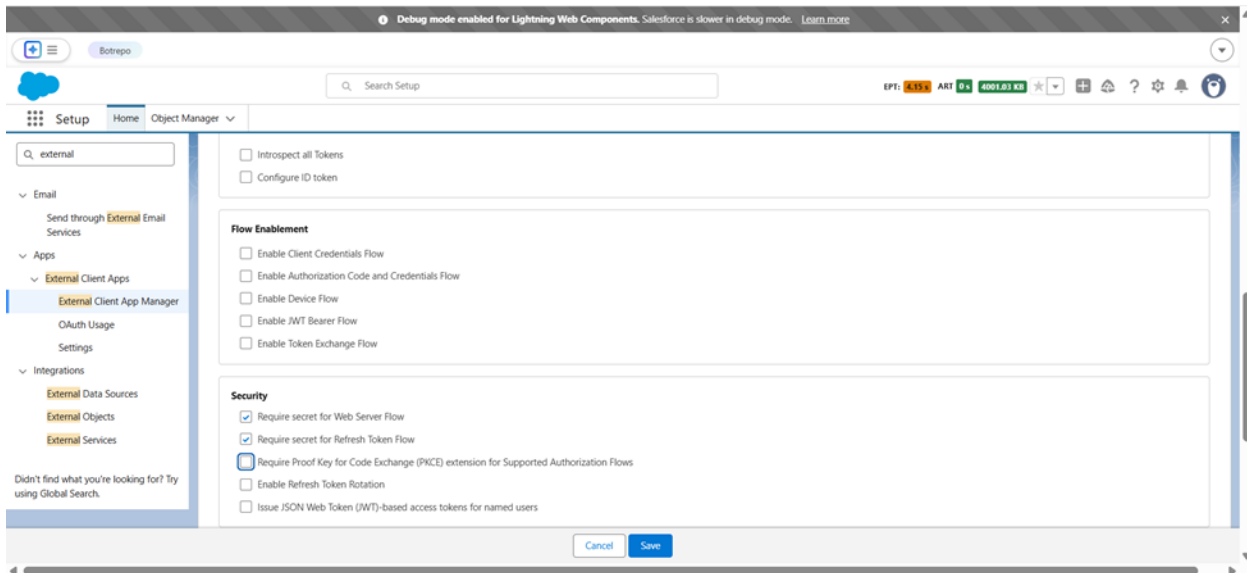


Figure 7f:

Again, go to OAuth Settings -> App Settings -> Click on Consumer Key and Secret to get the Keys

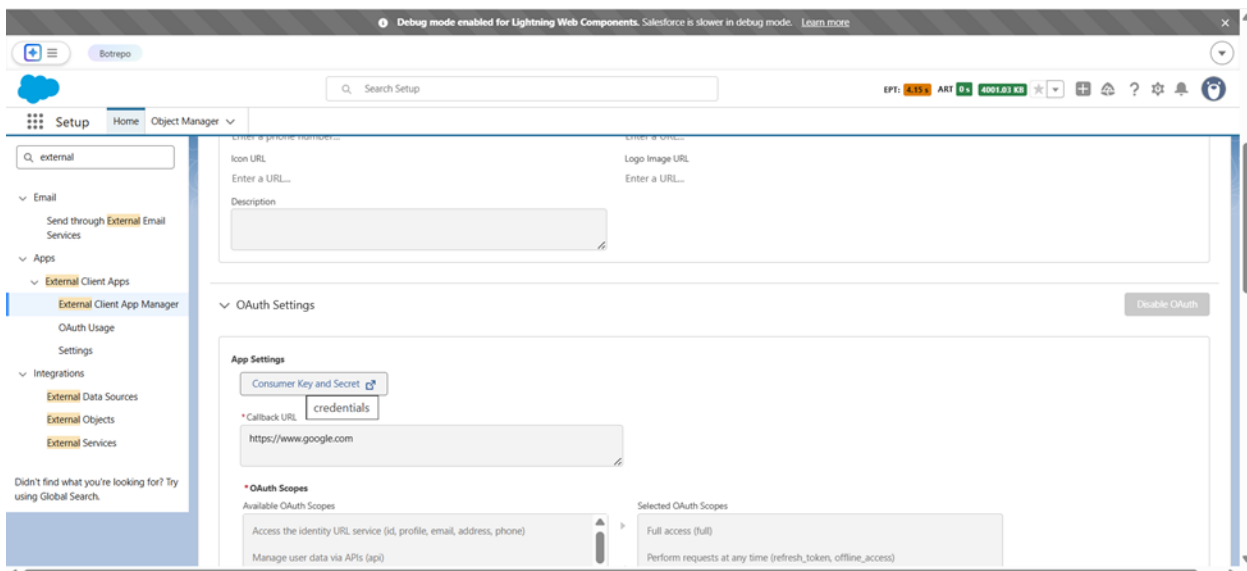


Figure 8a:

In Current Instance (where app is installed), For call URL, go to setup -> Search auth. provider in Quick Find ->

“Code Coverage Manager” from Infosys

Work Instructions

new -> select 'salesforce' -> save.

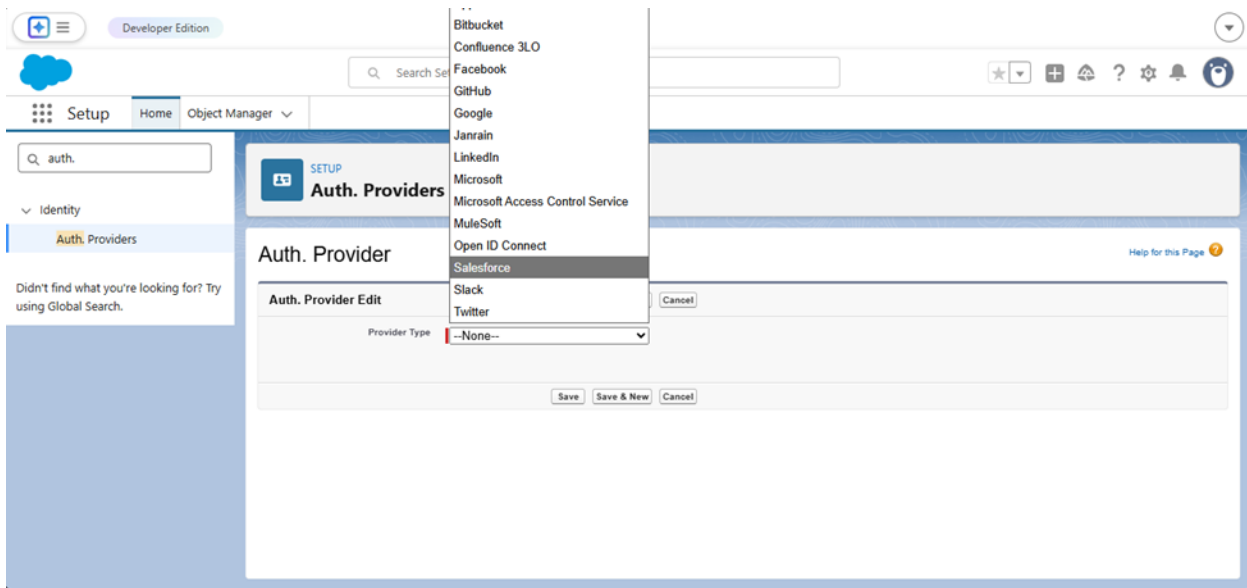


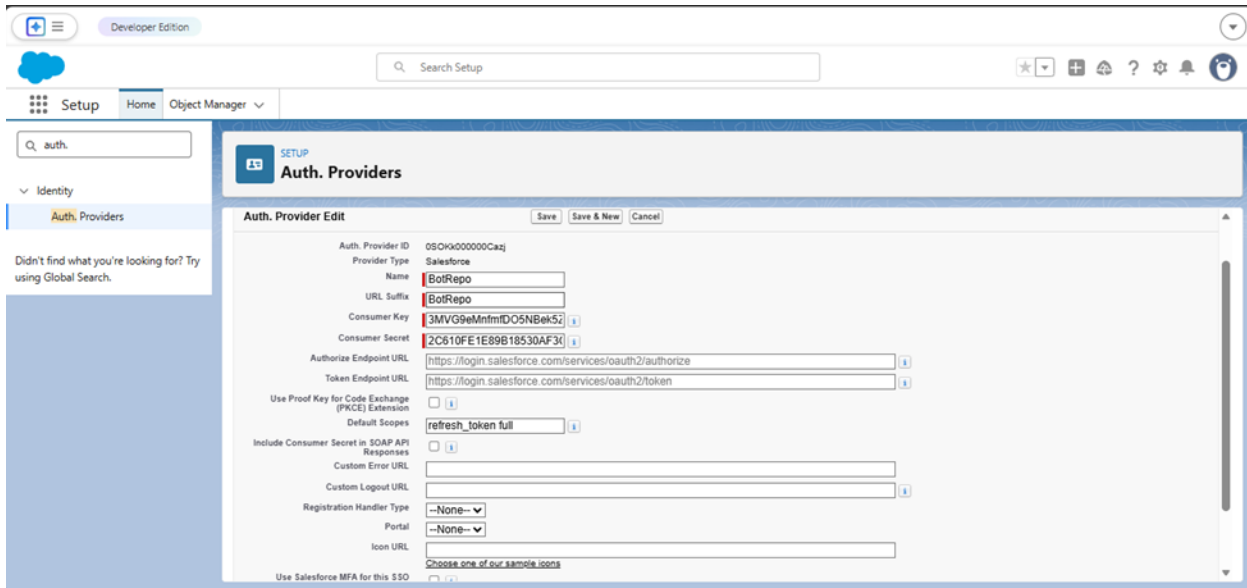
Figure 8b:

Fill in the details below, the consumer key and the consumer secret will be obtained from the external client app.

Note: In Default Scope enter 'refresh_token full'.

“Code Coverage Manager” from Infosys

Work Instructions

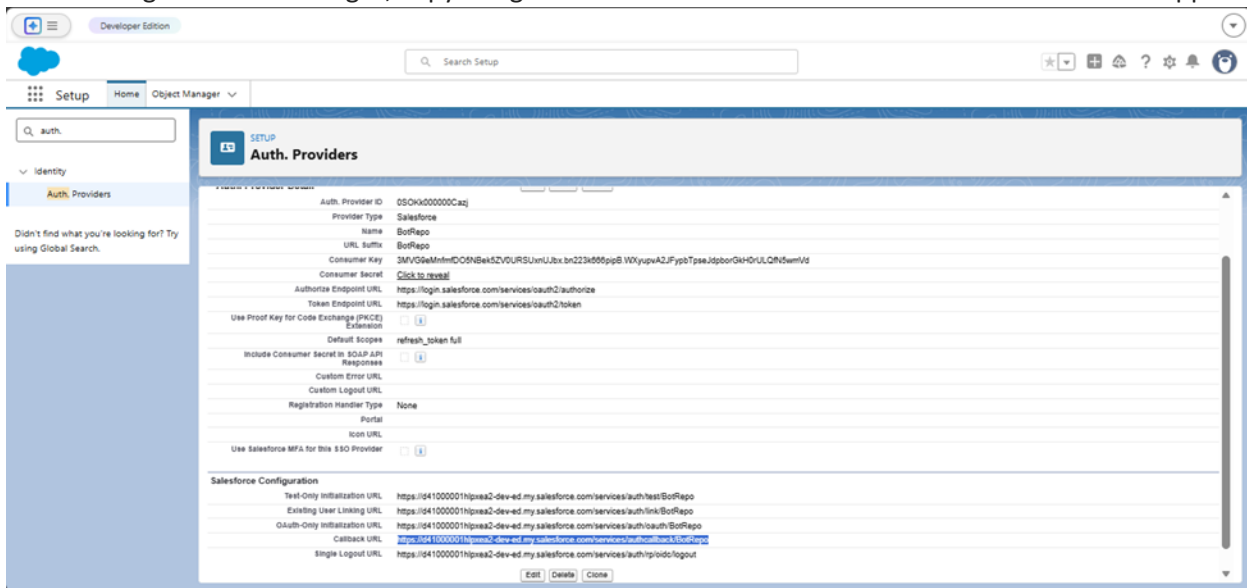


The screenshot shows the Salesforce Setup interface. The left sidebar has a search bar with 'auth.' and a list of categories including Identity and Auth. Providers. The main content area is titled 'Auth. Providers' and shows the 'Auth. Provider Edit' form for a provider named 'BotRepo'. The form includes fields for Auth. Provider ID, Provider Type, Name, URL Suffix, Consumer Key, Consumer Secret, Authorize Endpoint URL, Token Endpoint URL, Use Proof Key for Code Exchange (PKCE) Extension, Default Scopes, Include Consumer Secret in SOAP API Responses, Custom Error URL, Custom Logout URL, Registration Handler Type, Portal, Icon URL, and a checkbox for 'Use Salesforce MFA for this SSO Provider'. The 'Consumer Key' and 'Consumer Secret' fields are highlighted with red boxes.

Field	Value
Auth. Provider ID	05CH000000Cazj
Provider Type	Salesforce
Name	BotRepo
URL Suffix	BotRepo
Consumer Key	3MVG9eMfmfDO5NBek5z
Consumer Secret	2C610FE1E89B18530AF3d
Authorize Endpoint URL	https://login.salesforce.com/services/oauth2/authorize
Token Endpoint URL	https://login.salesforce.com/services/oauth2/token
Use Proof Key for Code Exchange (PKCE) Extension	☐
Default Scopes	refresh_token full
Include Consumer Secret in SOAP API Responses	☐
Custom Error URL	
Custom Logout URL	
Registration Handler Type	--None--
Portal	--None--
Icon URL	Choose one of our sample icons
Use Salesforce MFA for this SSO Provider	☐

Figure 8c:

After saving the above changes, copy the generated callback url and add it to the external client app.



The screenshot shows the Salesforce Setup interface, specifically the 'Auth. Providers' section. The 'Auth. Provider Edit' form is visible, showing the configuration for the 'BotRepo' provider. The 'Consumer Key' and 'Consumer Secret' fields are highlighted with red boxes. Below the form, the 'Salesforce Configuration' section is visible, showing the 'Callback URL' field with a value of 'https://d41000001hpxa2-dev-ed.my.salesforce.com/services/auth/callback/3MVG9eMfmfDO5NBek5z'. The 'Callback URL' field is highlighted with a red box.

Field	Value
Auth. Provider ID	05CH000000Cazj
Provider Type	Salesforce
Name	BotRepo
URL Suffix	BotRepo
Consumer Key	3MVG9eMfmfDO5NBek5z
Consumer Secret	2C610FE1E89B18530AF3d
Authorize Endpoint URL	https://login.salesforce.com/services/oauth2/authorize
Token Endpoint URL	https://login.salesforce.com/services/oauth2/token
Use Proof Key for Code Exchange (PKCE) Extension	☐
Default Scopes	refresh_token full
Include Consumer Secret in SOAP API Responses	☐
Custom Error URL	
Custom Logout URL	
Registration Handler Type	None
Portal	
Icon URL	
Use Salesforce MFA for this SSO Provider	☐

Field	Value
Test-Only Initialization URL	https://d41000001hpxa2-dev-ed.my.salesforce.com/services/auth/test/3MVG9eMfmfDO5NBek5z
Existing User Linking URL	https://d41000001hpxa2-dev-ed.my.salesforce.com/services/auth/link/3MVG9eMfmfDO5NBek5z
OAuth-Only Initialization URL	https://d41000001hpxa2-dev-ed.my.salesforce.com/services/auth/3MVG9eMfmfDO5NBek5z
Callback URL	https://d41000001hpxa2-dev-ed.my.salesforce.com/services/auth/callback/3MVG9eMfmfDO5NBek5z
Single Logout URL	https://d41000001hpxa2-dev-ed.my.salesforce.com/services/auth/rlpdc/logout

“Code Coverage Manager” from Infosys

Work Instructions

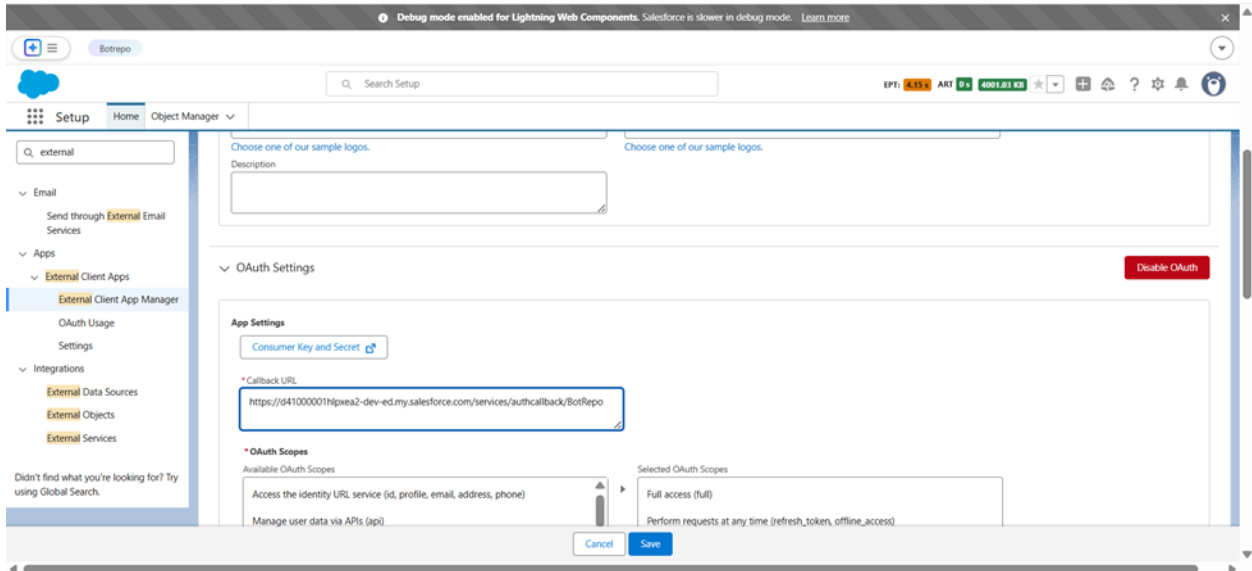
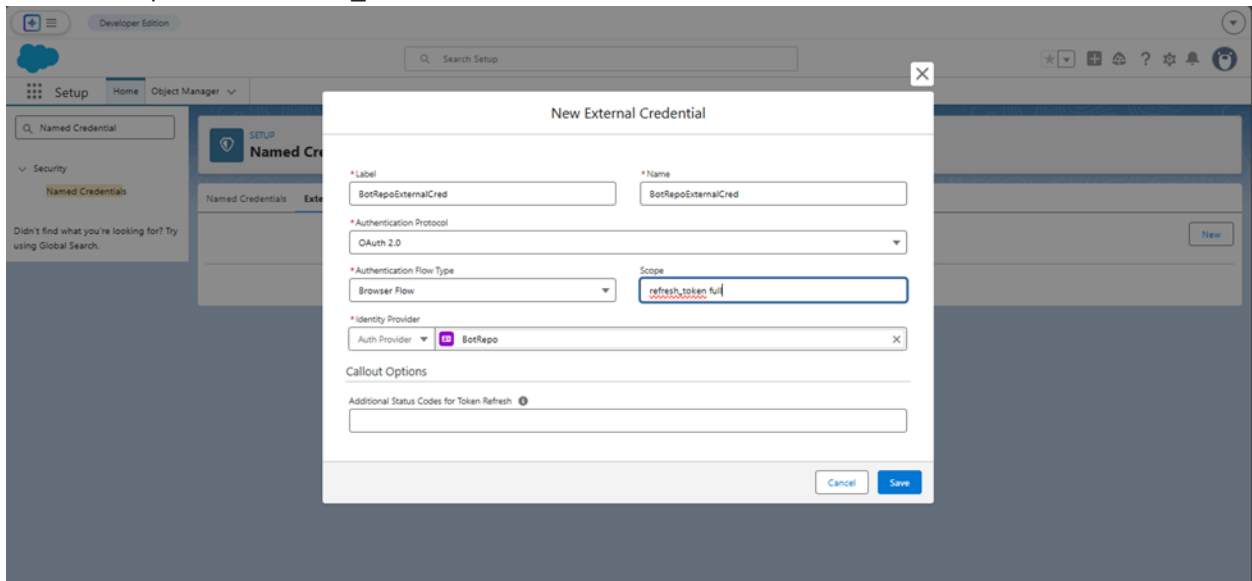


Figure 8d: Configure a named credential with a secured endpoint external credential as per the below figure. (Current instance).

Note: In Scope enter 'refresh_token full'.



“Code Coverage Manager” from Infosys

Work Instructions

Figure 8e:

Once the external credential is created, add a principal to that external credential as done in the below figure. Note: In Default Scope enter 'refresh_token full'.

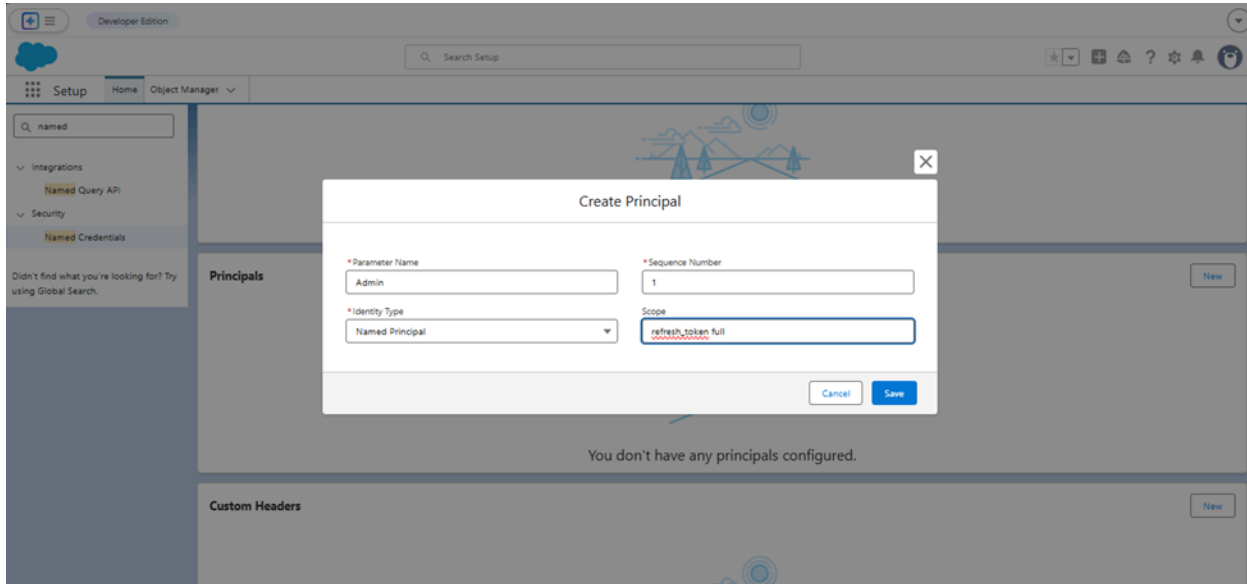


Figure 8f:

After adding the principal to the named credential, add the credential to user profile/ permission set as below. Click on 'External Credential Principal Access' -> Edit. Create a separate permission set for assigning Named

“Code Coverage Manager” from Infosys

Work Instructions

principal access if necessary and assign to the respective users.

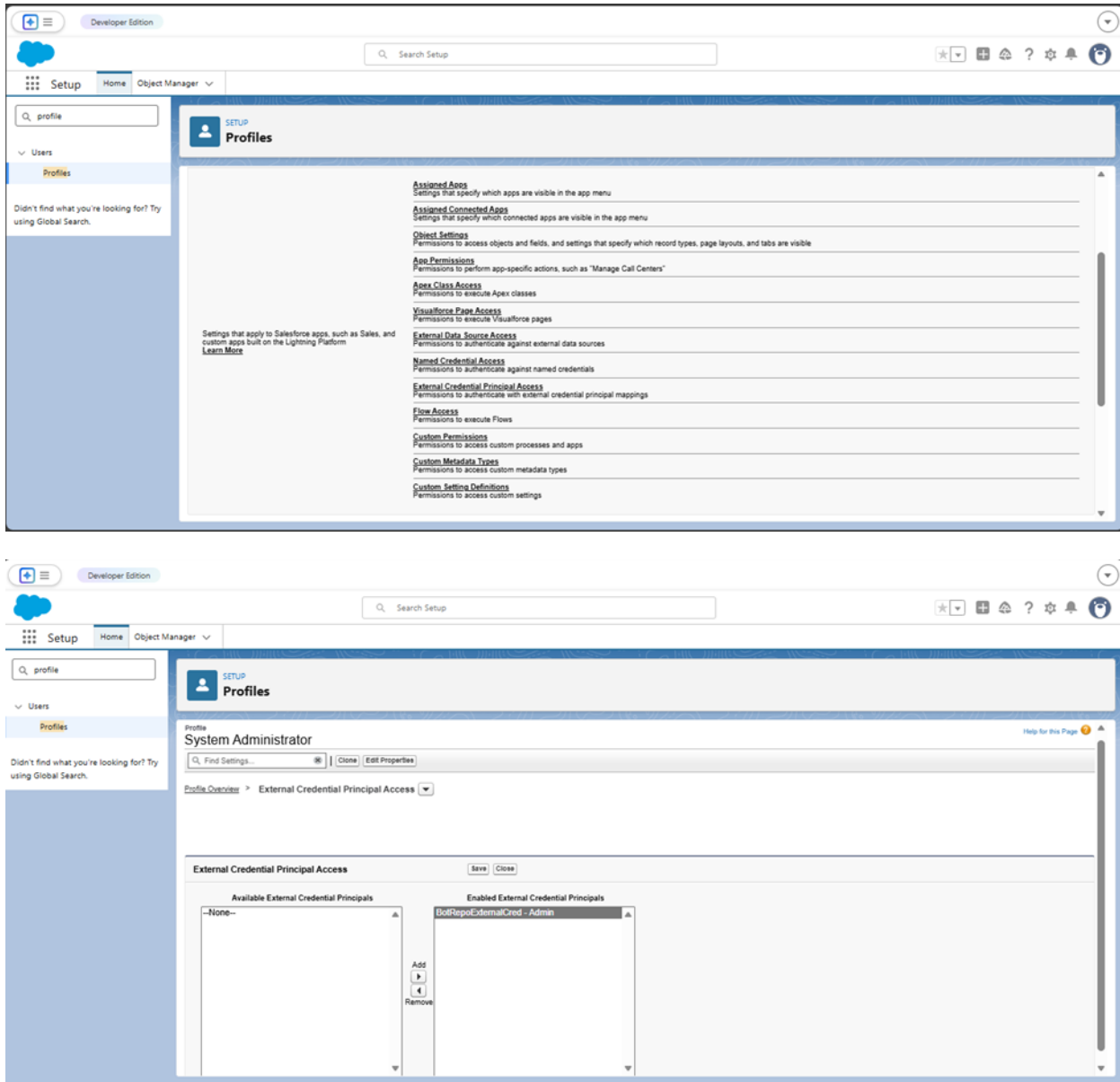
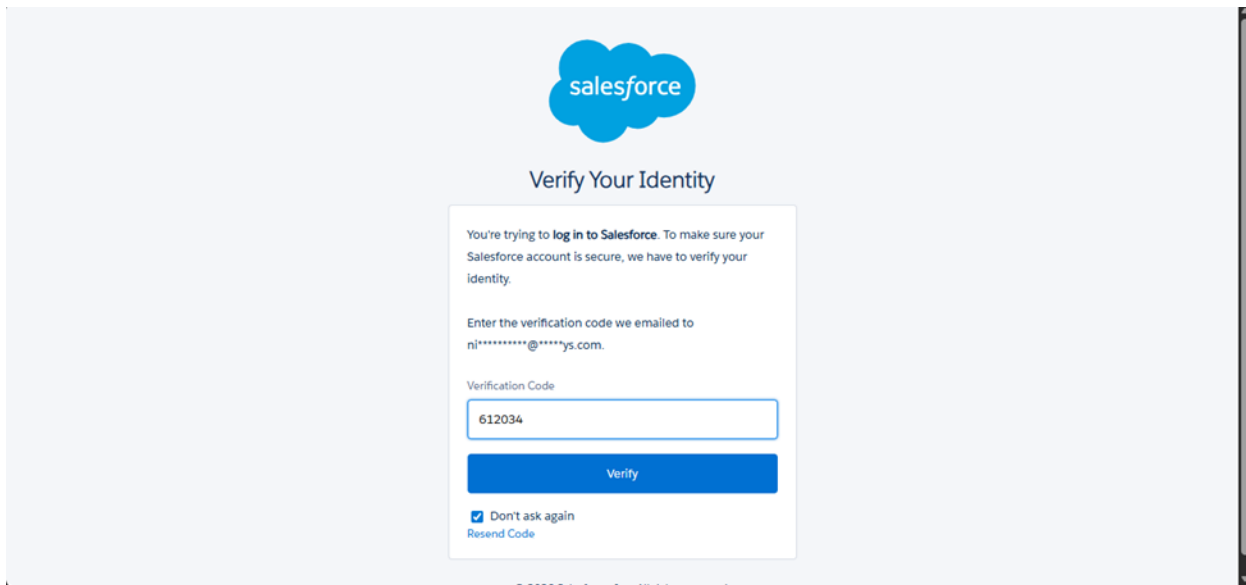
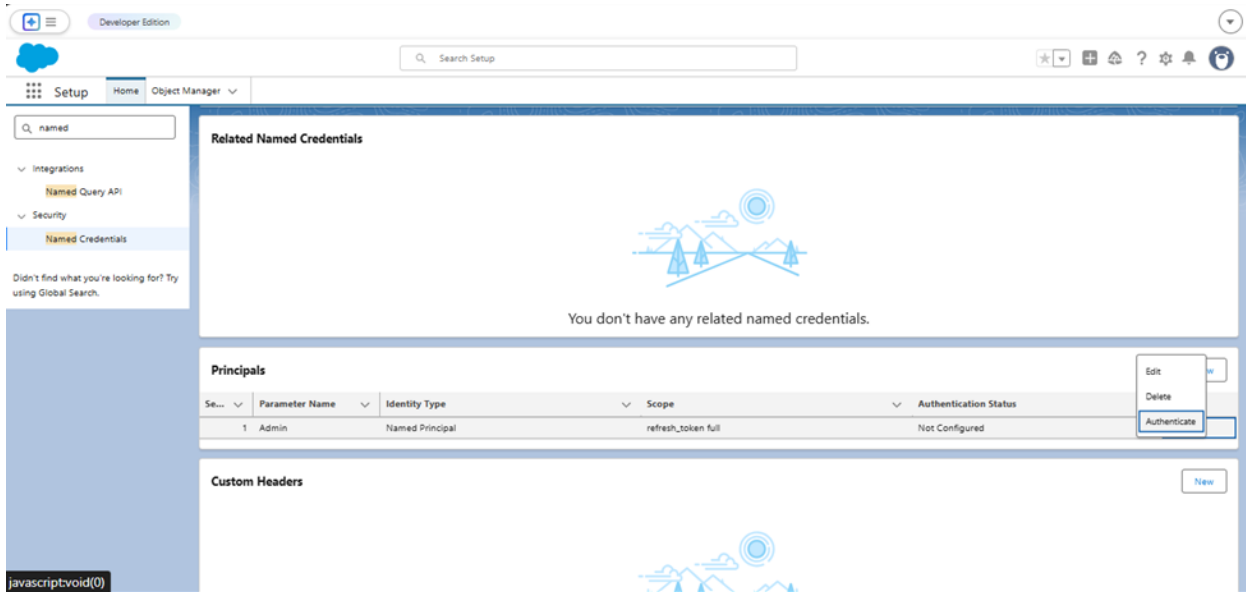


Figure 8g:

“Code Coverage Manager” from Infosys

Work Instructions

After sharing the external credential, authenticate the named principal with the credentials of remote org.



“Code Coverage Manager” from Infosys

Work Instructions

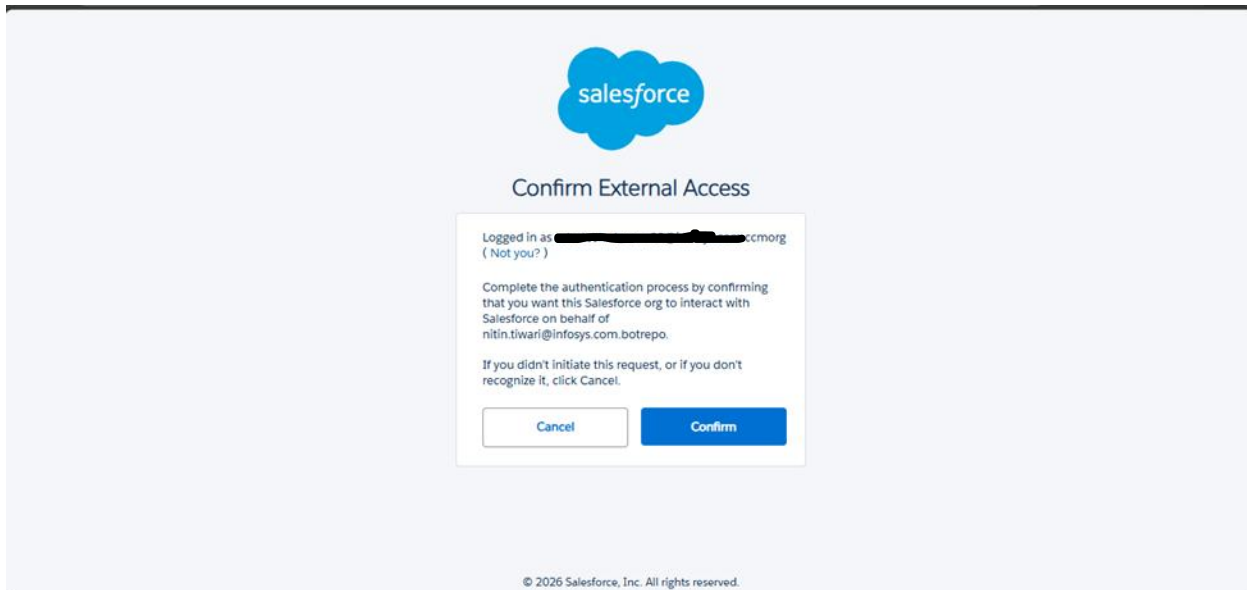
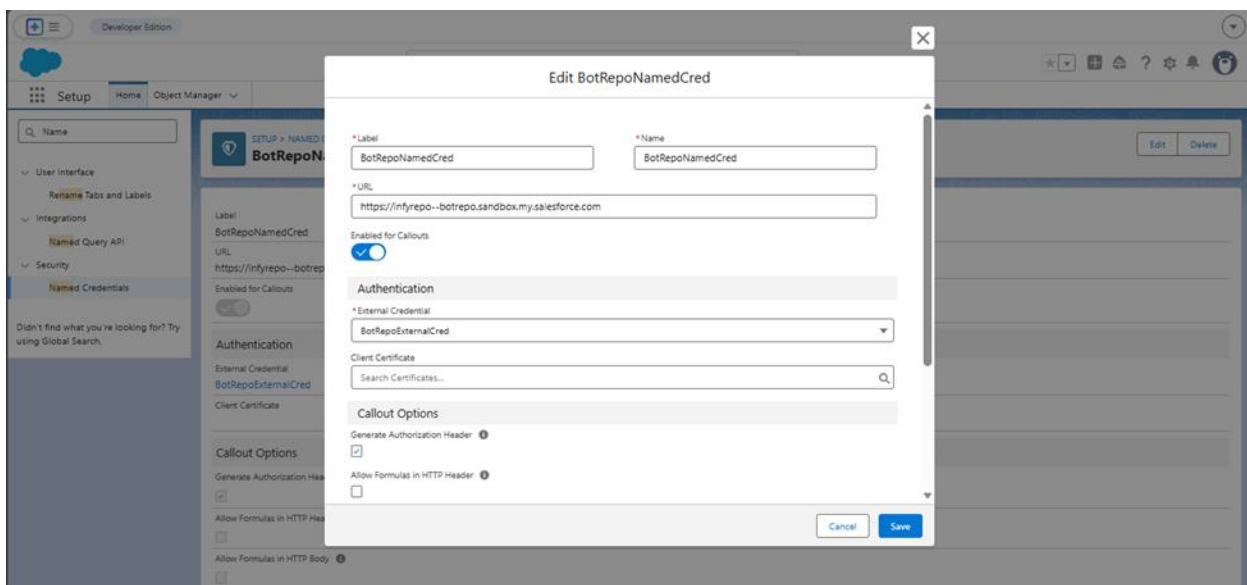


Figure 8h:

After successfully authenticating the named principal, create a named credential with that external credential.



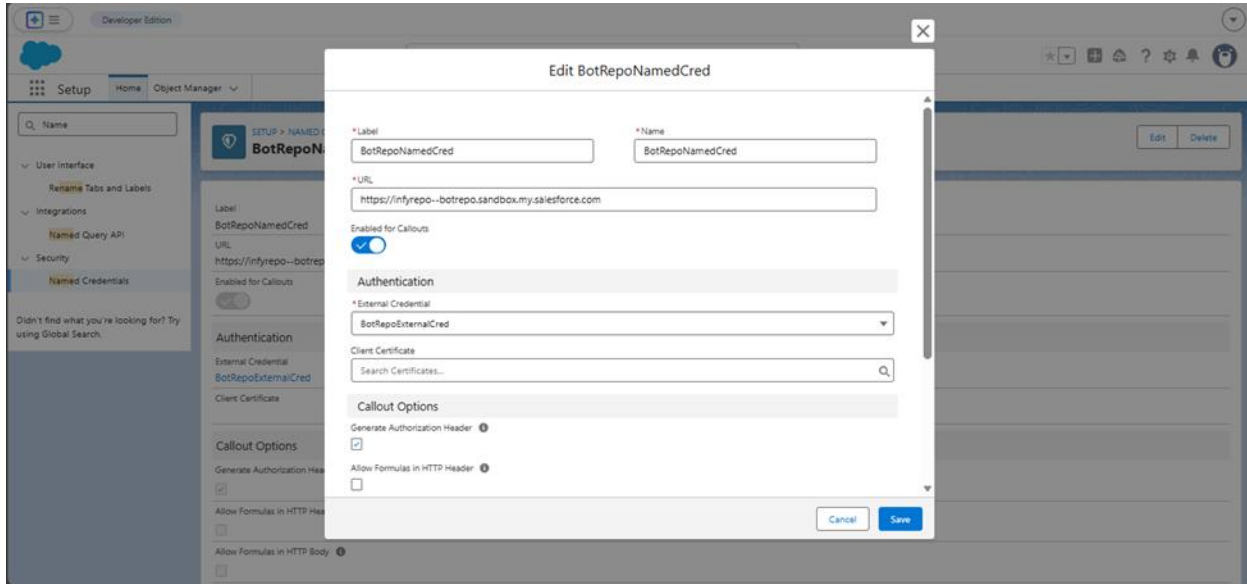
“Code Coverage Manager” from Infosys

Work Instructions

Figure 8i:

After successfully authenticating the named principal, create a named credential with that external credential

Note: In ‘Allowed Namespaces for Callouts’ field mention ‘infy_cct’.



Step	Instruction	Illustration	Expected Result
6	Navigate to “Code Coverage Manager” app Select the “Add/Modify Remote Auth” tab. 1. Add a Remote Org 2. Remote Auth Name: Provide a meaningful name to identify the connection (for e.g. “My_UAT_Instance”) 3. Namespace Prefix: If Namespace is enabled in the target org, then the same needs to be provided, else keep it blank. 4. Named Credential: Provide the named credential created for the external client app.	Please refer to figure 9	• Upon saving the record, navigate back to “Remote Auth Details” tab, under the “Code Coverage Manager” application. • Confirm that the new “Remote Auth” entry is created. • Provides credentials Login of the org to which authentication needs to be obtained (i.e. the org for which code coverage needs to be measured); • Upon successful authentication, the newly connected

“Code Coverage Manager” from Infosys

Work Instructions

4. **Instance Type:** Provide selection on whether Sandbox or production

instance will be included in the instance dropdown list, and the landing page will be displayed.

Figure 9:

The screenshot displays the 'Code Coverage Manager' interface, specifically the 'Add/Modify Remote Auth' page. The page is divided into two main sections: 'CREATE NEW REMOTE AUTH' and 'UPDATE EXISTING REMOTE AUTH'. The 'CREATE NEW REMOTE AUTH' section includes instructions, a search bar, and form fields for Remote Auth Name, Named Credential, Instance Type (Sandbox), and Namespace Prefix. The 'UPDATE EXISTING REMOTE AUTH' section includes instructions and a dropdown menu for selecting an existing instance. The interface also features a top navigation bar with 'Home', 'Remote Auth Details', and 'Add/Modify Remote Auth' tabs, and a bottom footer with 'Developed by Infosys Limited, Copyright 2018'.

CREATE NEW REMOTE AUTH

1. Provide the details below to add a new remote connection for code coverage extraction.
2. Clicking on the "Submit" button will trigger OAuth2.0 Authorization flow where you will be required to login to your sandbox/production instance.

Remote Auth Name (Provide a name for you to identify the instance)
BotRepo

Named Credential
BotRepoExternalCred

Instance Type (The type of the target instance)
Sandbox

Namespace Prefix (Leave it empty if its not enabled in target instance)

Check Connection

UPDATE EXISTING REMOTE AUTH

1. In case you want to reauthorize one of the existing remote connections, select the instance from the dropdown below and click on "Submit"
2. Clicking on the "Submit" button will trigger OAuth2.0 Authorization flow where you will be required to login to your sandbox/production instance.

--None--

1. Provide the details below to add a new remote connection for code coverage extraction.
2. Clicking on the "Submit" button will trigger OAuth2.0 Authorization flow where you will be required to login to your sandbox/production instance.

Remote Auth Name (Provide a name for you to identify the instance)
BotRepo

Named Credential
BotRepoNamedCred

Instance Type (The type of the target instance)
Sandbox

Namespace Prefix (Leave it empty if its not enabled in target instance)
infy_cct_

Check Connection Add Connection

Developed by Infosys Limited, Copyright 2018

“Code Coverage Manager” from Infosys

Work Instructions

The screenshot displays the 'Code Coverage Manager' application interface. At the top, there's a navigation bar with a search bar and several icons. Below the navigation bar, the main content area is titled 'Add/Modify Remote Auth'. It contains two columns of instructions and a form. The left column instructs the user to provide details for a new remote connection, including a Remote Auth Name, Named Credential, Instance Type (Production/Dev), and Namespace Prefix. The right column instructs the user to select an existing instance from a dropdown menu. A 'Check Connection' button is located at the bottom of the form. A green success message 'Success: Connection added successfully!' is displayed at the bottom left.

Step	Instruction	Illustration	Expected Result
7	Configure Retention Settings in Custom MetaData Type CCMRetentionSetting. Step 1: Navigate to Setup->Develop->Custom Metadata Types or Search for Custom Metadata Type in Quick Search Step2: Click on Manage Records for Label “CCMRetentionSetting” Step 3: Click on Edit for CCMRetentionSetting Step 4: Configure as per below options for data retention. Different setting in this custom metadata type defines time duration for which code coverage data needs to be retained. - RetainAll : Settings where all code coverage data would be retained - Retain No of Days : Retains code coverage data for x number of days as per configuration - Retain No of Executions : Retains latest code coverage data for x number of executions as per configuration At a given time, only one retention setting would be active	Please refer to figure 10	NA

“Code Coverage Manager” from Infosys

Work Instructions

Figure 10:

 **SETUP**

Custom Metadata Types

CCMRetentionSetting (Managed)

Help for this Page ?

This CCMRetentionSetting is managed, meaning that you may only edit certain attributes. [Display More Information](#)

CCMRetentionSetting Edit

Save Save & New Cancel

Information

Label

RetentionSettings

Namespace Prefix

infy_cct

CCMRetentionSetting Name

RetentionSettings

Retain All

☒

Retain No of Days

Retain No of Executions

Save Save & New Cancel

Step	Instruction	Illustration	Expected Result
8	Schedule Apex Class “ ScheduledDelete” as per requirement for deletion of target org and component group.	Please refer to figure 11	This Apex Class is required to pick up and delete component groups and target instances, which are marked for deletion.

“Code Coverage Manager” from Infosys

Work Instructions

Figure 11:

Schedule Apex

Schedule an Apex class that implements the 'Schedulable' interface to be automatically executed on a weekly or monthly interval.

Save Cancel

Job Name

Apex Class

Schedule Apex Execution

Frequency ☒ Weekly ☐ Monthly

Recurs every week on

- ☐ Sunday
- ☐ Monday
- ☒ Tuesday
- ☐ Wednesday
- ☐ Thursday
- ☐ Friday
- ☐ Saturday

Start

End

Preferred Start Time

Exact start time will depend on job queue activity.

Save Cancel

This completes the installation of the application. The next section provides information about the user navigation features of the application.

“Code Coverage Manager” from Infosys

Work Instructions

User Manual

Step	Instruction	Illustration	Expected Result
1	App Setup : Perform the following steps prior to using the application : - Setup authentication to the target instance (for which code coverage needs to be measured) first, using “Add/ Modify Remote” tab - Using “Code Coverage Manager” tab, select the target instance. - Under “Code Coverage Manager” interface, select “Extract Code Coverage” link (on the left hand side) and submit for “Extract Coverage” Upon the completion of the above step (“Extract Coverage”) at least once, use the remaining links, “Previous Execution” , “Historical Analysis” , “Schedule Apex Test Execution” , “Delete Groups”	Please refer to figure 16 & 17	Installation is successfully completed.

Figure 16:

Code Coverage Manager

INFOSYS LIMITED

SELECT INSTANCE

CCM org

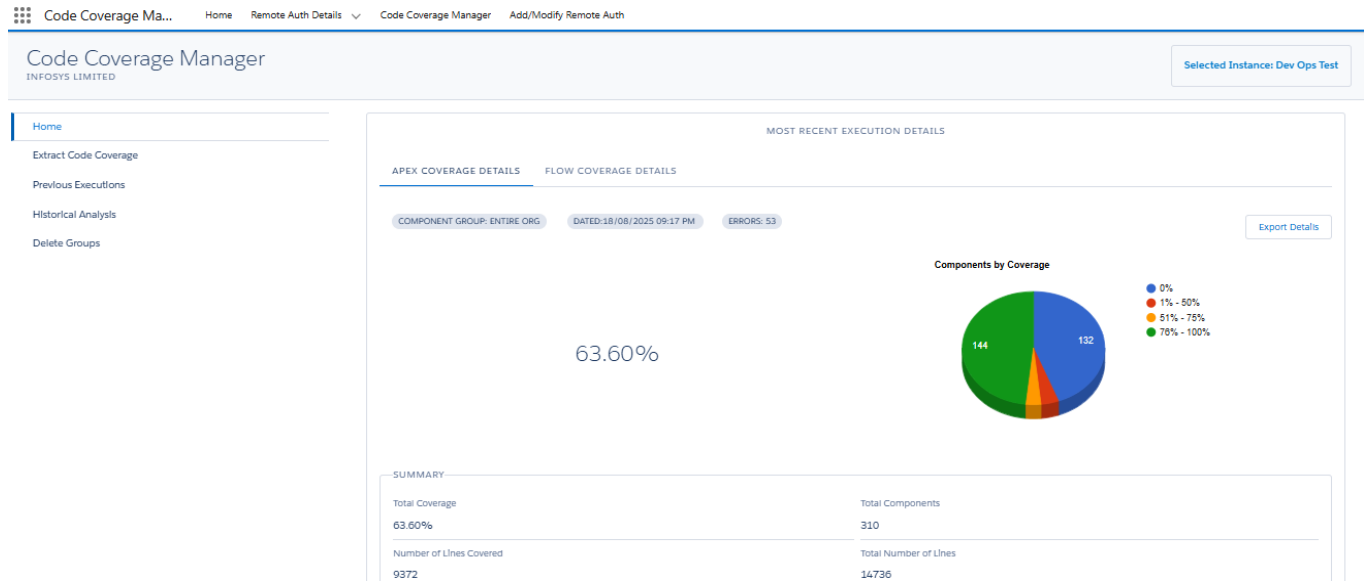
Submit

Delete

“Code Coverage Manager” from Infosys

Work Instructions

Figure 17:



“Code Coverage Manager” from Infosys

Work Instructions

Step	Instruction	Illustration	Expected Result
2	App Overview Step 1: Click “Code Coverage Manager” tab from the home page Step 2: User can choose which instance to check code coverage here from the dropdown. User provides instance of choice and clicks on submit. If the user wants to delete the instance, one can select the instance and click on Delete. Step 3: The user can see two tabs after selecting a particular org for code coverage, one for 'Apex Code Coverage' and another for 'Flow Coverage Details'. Step 4: By selecting any one of the tabs, users can view the code coverage details from the most recent run of Apex classes or flows for the selected org. Step 5: User can export details of execution by clicking on “Export Details” button on top right of home page. After user clicks on “Export Details” a “.xls” file with name CodeCoverage {DateTime of Execution} downloads to the system (file name , eg : CodeCoverage2-7-2017 2-53 PM) .	Please refer to figure 16, 17, & 18 &19 Please refer to figure 20, &21	Screen as shown is displayed “Select Instance” is a dropdown and shows all instances for which application configured to extract code coverage. User can have UAT, SIT and all Developer instances of the application configured to be available here. This sheet provides details of individual components, Number of lines covered, total lines and coverage of each as a percentage.

“Code Coverage Manager” from Infosys

Work Instructions

Figure 18:

Code Coverage Manager

INFOSYS LIMITED

SELECT INSTANCE

CCM org

Submit

Delete

Figure 19:

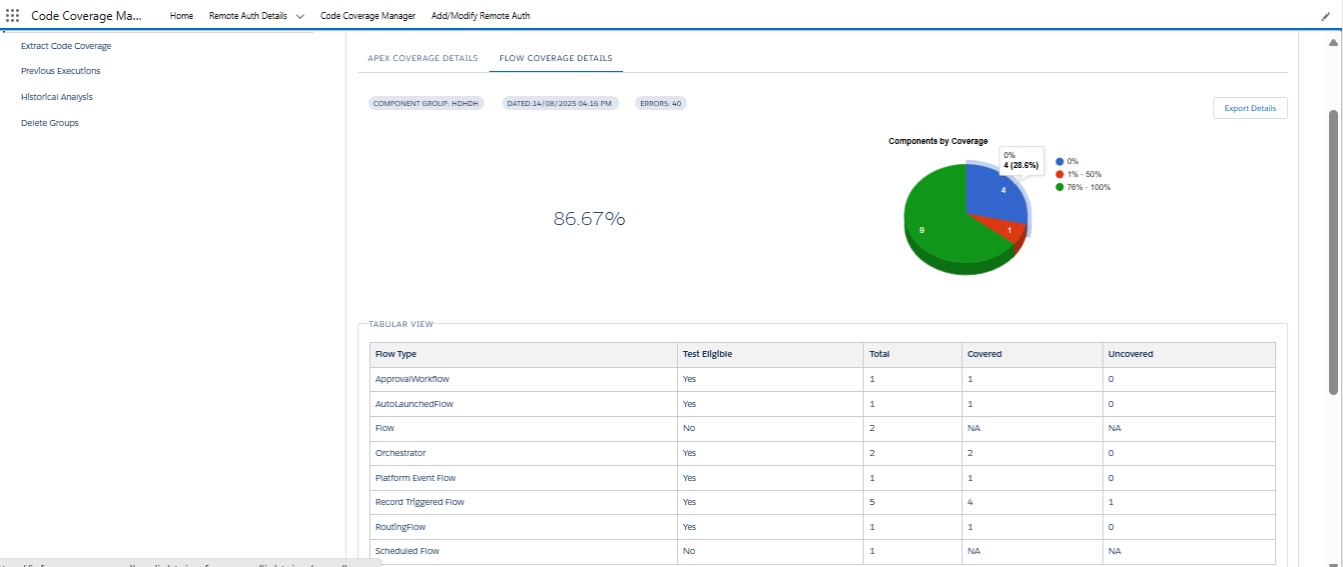


Figure 20:

Work Instructions

[illegible]

Figure 21:

Component Name	Lines Covered	Total Lines	Previous Coverage	Current Coverage	Last Modified By Name	Last Modified Date
FutureClass	0	2	0.00%	0.00%	John Doe	2022-07-16 10:57
AnimalLocator	0	12	0.00%	0.00%	John Smith	2022-07-16 12:09
EncryptionTestCtrl	0	5	0.00%	0.00%	David Brown	2023-01-10 07:04
LearningApexForLWCEnablement	0	5	0.00%	0.00%	David Brown	2023-12-12 06:06
SDLC_AtHelper	24	52	35.00%	46.15%	John Doe	2024-05-13 10:37
AccountTrigger	2	4	45.00%	50.00%	John Doe	2022-04-27 09:54
ArithOperation	2	4	50.00%	50.00%	John Smith	2022-04-29 09:52
SDLC_AnalysisController	76	115	66.09%	66.09%	David Brown	2024-05-13 10:37
SDLC_RAGDefault	26	39	66.67%	66.67%	John Smith	2024-05-13 10:37
gsydt_FolderTemplate	75	101	74.26%	74.26%	John Doe	2021-06-10 11:38
SDLC_LLMContext	6	8	66.00%	75.00%	David Brown	2024-05-13 10:37
ApexTypesController	10	10	83.00%	100.00%	David Brown	2021-02-24 07:53
LMSVisualforceController	8	8	92.00%	100.00%	John Doe	2021-02-24 07:53
PagedResult	4	4	78.00%	100.00%	John Smith	2021-06-03 08:45
GeocodingService	36	36	100.00%	100.00%	John Doe	2021-06-03 08:45
Total	269	405	50.42%	66.41%		
Generated at Tue Mar 18 08:06:43 GMT 2025						
No Coverage	0%					
Low Coverage	1 to 50%					
Mild Coverage	51 to 75%					
Super Coverage	76 to 100%					

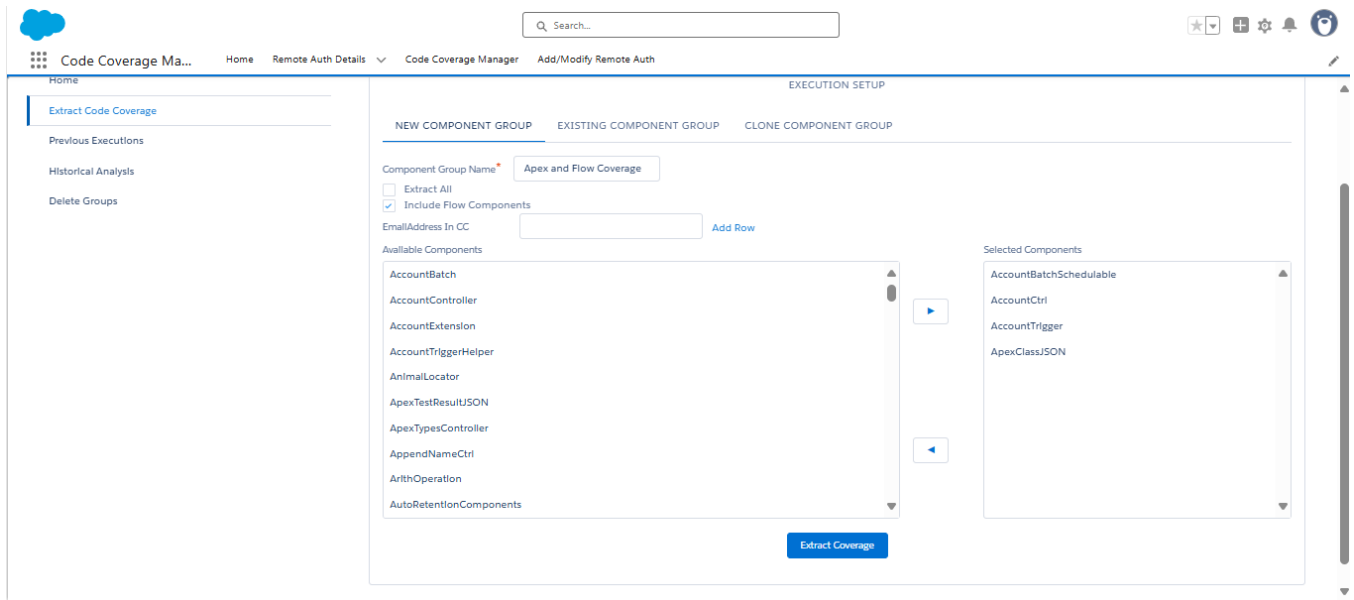
Step	Instruction	Illustration	Expected Result
3	Home Screen: Screen provides a graphical summary of most recent code coverage execution	Please refer to figure 17 ,19	

“Code Coverage Manager” from Infosys

Work Instructions

Step	Instruction	Illustration	Expected Result
4	Extract Code Coverage - Step 1: Create a component Group or select “Extract All” checkbox to create “Entire Org” component group, which has all the components. Also, include any additional email address if required for CC. More than one Email Address could be added by clicking on Add Row. - Step 2: User can also be able to include the flow coverage by selecting the Include flow components checkbox. - Step 3: Click on Extract Coverage	Please refer to figure 22	Existing Component Group tab would be used to select existing component group for code coverage Extraction Clone Component Group tab would be used to clone an existing component group and add any new components if required.

Figure 22:



“Code Coverage Manager” from Infosys

Work Instructions

Step	Instruction	Illustration	Expected Result
5	Previous Executions 5. Step 1: Click on side menu “Previous executions 6. Step 2: Click on the hyperlink of any previous execution to check the details.	Please refer to figure 23	NA

Figure 23:

The screenshot displays the 'Code Coverage Manager' web application. The top navigation bar includes a search bar and several icons. The main header shows 'Code Coverage Manager' and 'INFOSYS LIMITED'. A sidebar on the left contains a menu with options: 'Home', 'Extract Code Coverage', 'Previous Executions' (which is highlighted), 'Historical Analysis', and 'Delete Groups'. The main content area is titled 'LIST OF PREVIOUS EXECUTIONS' and contains a list of execution groups with their respective dates and times. The footer indicates the application was developed by Infosys Limited in 2018.

Group	Execution Time
CCM Code Coverage	24/08/2025, 11:51 pm
ENTIRE ORG	24/08/2025, 9:09 pm
ENTIRE ORG	24/08/2025, 8:47 pm
Apex Code Coverage	22/08/2025, 4:18 pm
ENTIRE ORG	22/08/2025, 3:47 pm

“Code Coverage Manager” from Infosys

Work Instructions

Step	Instruction	Illustration	Expected Result
6	Historical Analysis Step 1: Select Component group is a dropdown from which user can choose component group. User selects component group and clicks on “View” and the screen is displayed. - Apex/Flow Toggle: User can switch between the apex and flow Coverage History Trend Chart to view the details last coverage % and errors by clicking on the view button - Export History: User clicks on this button on top right of the page to download code coverage history .xls file with name coveragehistory {DateTime of Execution} (file name, e.g.: coveragehistory2-7-2017 3-08 PM). 7. Component History: Historical analysis of individual components can be done by clicking on Component history button on the top right corner of the page Components for which trend has to be checked can be selected from the dropdown and user can click on view. - Export All: User clicks on this button on top right of the page to download	Please refer to figure 24 , 25 .26	NA

“Code Coverage Manager” from Infosys

Work Instructions

code coverage history .xls file with name (coveragehistory {DateTime of Execution}) (eg: coveragehistory2-7-2017 3-08 PM).

Figure 24:

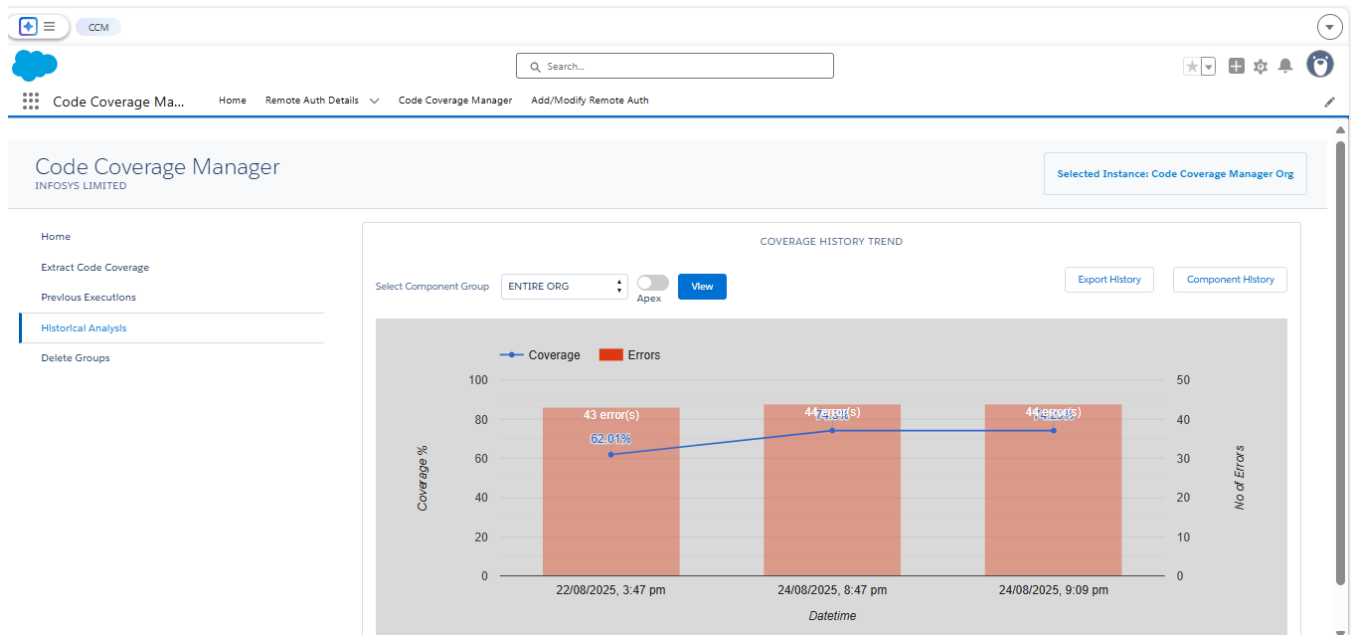
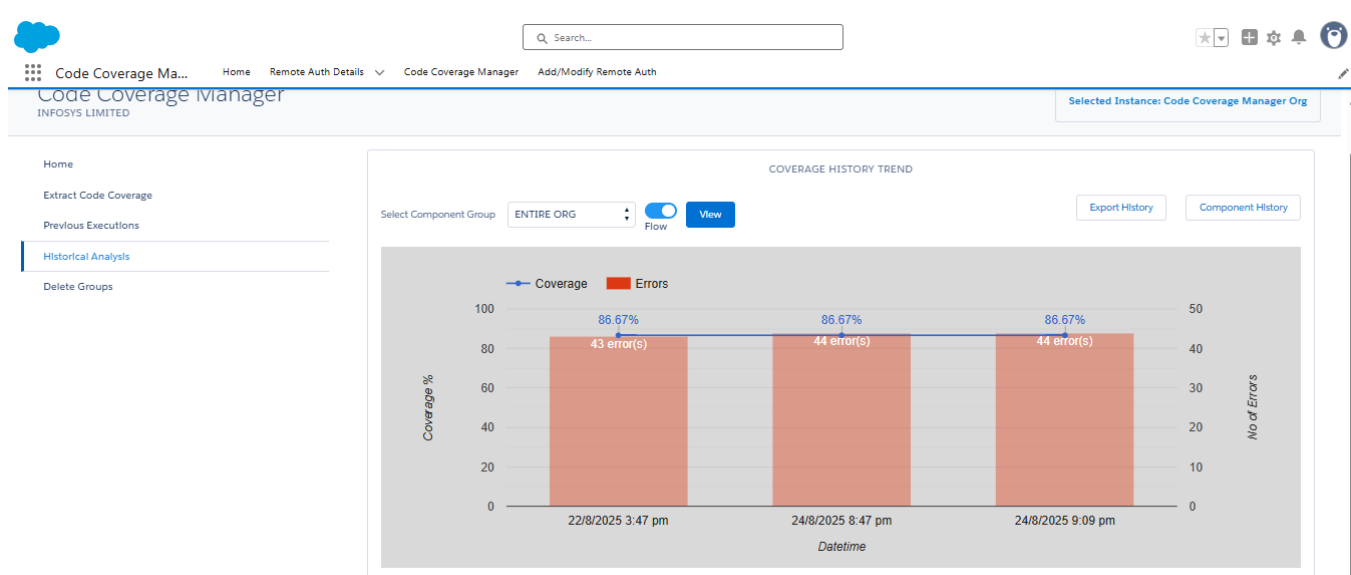


Figure 25::

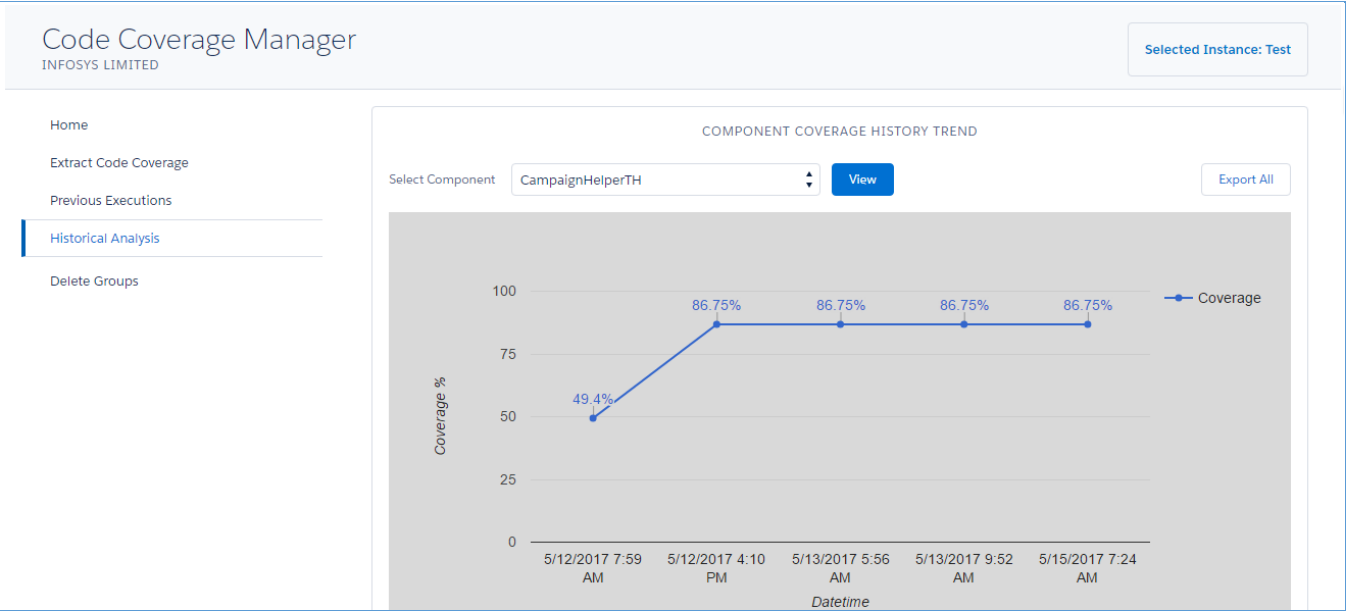


Developed by Infosys Limited, Copyright 2018

“Code Coverage Manager” from Infosys

Work Instructions

Figure 25:

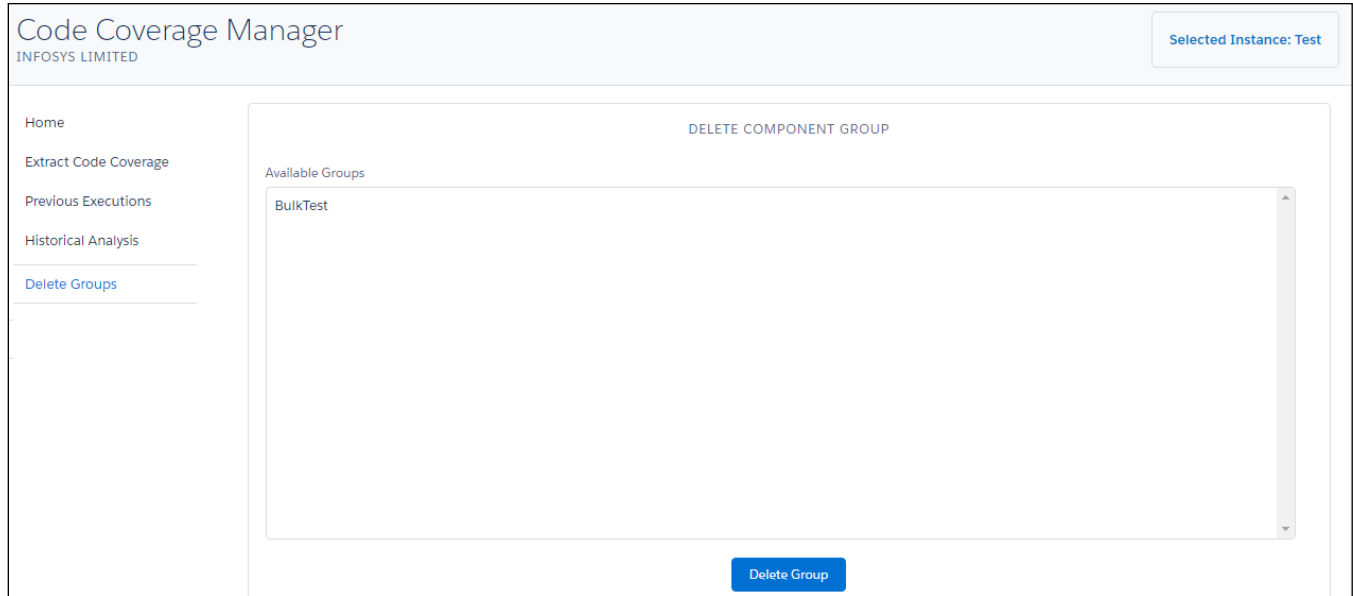


Step	Instruction	Illustration	Expected Result
7	Delete Groups: Delete Selected Component group	Please refer to figure 23	NA

“Code Coverage Manager” from Infosys

Work Instructions

Figure 26:



Common Troubleshooting Tips

● Issue #1

Attempt to de-reference a null object

Error is in expression '{!init}' in page infy_cct:remoteauthpage: (infy_cct)

An unexpected error has occurred. Your solution provider has been notified. (infy_cct)

Resolution:

“Code Coverage Manager” from Infosys

Work Instructions

Scenario #1: The app is installed on a sandbox (non-production instance), but “Remote Connectivity” setting is not selected.

- **Scenario #2:** Not all the installation steps have been complete.

● Issue #2

Unable to view the application or perform necessary tasks or getting “unauthorized endpoint” error message

Unauthorized endpoint, please check Setup->Security->Remote site settings. endpoint = https://usgboral--UAT.cs31.my.salesforce.com/services/data/v38.0/tooling/query?q=Select+Id,Name+from+apexclass+where+namespaceprefix=""
Error is in expression '{!init}' in component <apex:page> in page infy_cct:ccmexecutionsetuppage: (infy_cct)

An unexpected error has occurred. Your solution provider has been notified. (infy_cct)

Resolution:

- Remote site settings have not been created/activated. Create remote site setting

● Issue #3

List index out of bounds: 0

An unexpected error has occurred. Your solution provider has been notified. (infy_cct)

Resolution:

- Ensure that code coverage has been calculated successfully for the target org and the org has at least one apex component for which code coverage needs to be measured

● Issue #4

no protocol: null/services/data/v38.0/tooling/query?q=Select+Id,Name+from+apexclass+where+namespaceprefix=""
Error is in expression '{!init}' in component <apex:page> in page infy_cct:ccmexecutionsetuppage: (infy_cct)

An unexpected error has occurred. Your solution provider has been notified. (infy_cct)

Resolution:

- **Scenario #1:** The previous oAuth step may be incomplete; Re-perform the oAuth setup steps
- **Scenario #2:** An org where the app is installed and the org (“tool org”) on which code coverage is being measured same the same node (e.g. CS5 or NS6). Recommend to setup “my domain” on the “tool org”.

“Code Coverage Manager” from Infosys

Work Instructions

● Issue #5

null input to JSON parser

Error is in expression '{!init}' in component <apex:page> in page infy_cct:ccmexecutionsetuppagemock: (System Code)

Resolution:

- Remote site settings have not been created/activated. Create remote site setting

● Issue #6

- On selection of “Extract Code Coverage” or “Delete Groups”, a message is being displayed “A Unit Test run is already underway for this instance. Please try again after completion.”

A Unit Test run is already underway for this instance. Please try again after completion.

Resolution:

- **Scenario #1: An Apex Test Execution to fetch Code coverage from Target Org.**
 - Delete the Job from Scheduled Jobs. The message will go away as there is no more a job, which is waiting to be executed.

All Scheduled Jobs

[Help for this Page](#)

The All Scheduled Jobs page lists all of the jobs scheduled by your users. Multiple job types may display on this page. You can delete scheduled jobs if you have the permission to do so.

View: [All Scheduled Jobs](#) [Create New View](#)

[<Previous Page](#) | [Next Page>](#)

Action	Job Name	Submitted By	Submitted +	Started	Next Scheduled Run	Type
Manage Del	codeCoveragePost 2018-05-18 06:26:05		5/18/2018 11:53 AM	5/18/2018 11:57 AM		Scheduled Apex

- **Scenario #2: Any Code Coverage Apex Job has failed due to an error but Job Id is not cleared.**
 - Edit and clear any job id value from the Jobid field in respective remote auth connection present in Remote Auth Details Tab.

Apex Jobs

[Help for this Page](#)

Monitor the status of all Apex jobs, and optionally, abort jobs that are in progress.

View: [All](#) [Create New View](#)

[<Previous Page](#) | [Next Page>](#)

Action	Submitted Date +	Job Type	Status	Status Detail	Total Batches	Batches Processed	Failures	Submitted By	Completion Date	Apex Class	Apex Method	Apex Job ID
	5/18/2018 12:47 PM	Scheduled Apex	Aborted		0	0	0			CodeCoveragePostProcessingClass		7074100004q1oK
	5/18/2018 11:53 AM	Scheduled Apex	Failed	Scheduler: failed to execute scheduled job: jobid: 7074100004q114K, class: common.apex.async.AsyncApexJobObject, reason: List has no rows for assignment to SObject	0	0	0			CodeCoveragePostProcessingClass		7074100004q114K

“Code Coverage Manager” from Infosys

Work Instructions

The screenshot displays the 'Remote Auth Details' page in the Code Coverage Manager. The page has a top navigation bar with tabs: Home, Remote Auth Details (active), Add/Modify Remote Auth, and Code Coverage Manager. On the left, there is a sidebar with a 'Search' section containing a 'Search All' dropdown, a text input, a 'Go!' button, and a checkbox for 'Limit to items I own'. Below this is a 'Create New...' button and a 'Recent Items' list with entries like '59demo Org', 'sellfi PC SIT', 'Kavya DEV ORG', '59demo Org Manual', 'Nanmullai Rajavelu', and 'Nanmullai M Rajavelu'. The main content area is titled 'Remote Auth Detail' and contains a 'Remote Auth Detail Detail' form. The form fields include: Remote Auth Name, Client Id, Instance URL, Access Token, Instance Type (set to 'login'), User Id (set to 'https://login.salesforce.com/id'), Namespace Prefix, Status, and Jobid (set to '7074100004rNjzf'). There are 'Save' and 'Cancel' buttons at the top right of the form.

● Issue #7

Update failed. First exception on row 0 with id a1t0k000001Bhx5AAC; first error: STRING_TOO_LONG, Jobid: data value too large: [{"message": "This test is already in the execution queue.", "errorCode": "ALREADY_IN_PROCESS"}] (max length=18): [infy_cct_Jobid_c]

Error is in expression '{!doNextOpt1}' in page infy_cct:ccmexecutionsetuppagemock: (infy_cct)

Resolution:

This error will come if there is an existing CCM job being executed and user tries to again run the CCM app on same org. One should cancel the job and then run the CCM app.