## **Test objectives**

This test plan aims to assess the quality, functionality and security of the new ‘Log Access’ feature that is to be incorporated into the existing web developer portal. The outcome of this test plan should be used to determine if the software under test meets the requirements outlined in the brief.

**Test Objective 1 : Functionality**

* **Verify that all filters on the log page can be applied correctly and the correct logs get returned in the ‘Results’ window.**

**Test Objective 2 : Security**

* **Verify that only logs that are Only API’s that are related to the User’s active directory group**

## **Test environment**

Environments to be tested will be limited to desktop and will include the most recent browsers and operating systems.

* Operating systems
  + Windows 11
  + Windows 10
  + macOS 14
  + macOS 13
* Browsers
  + Chrome Version 125
  + Safari Version 17
  + Firefox Version 126

## **Test Data (Prerequisite)**

Testers will be required to have previously made various API calls within the last 14 days and older in order to fully test the Log Access feature.

**Including**

* Previous calls that have been made on the various available environments
* Previous calls that have returned a variety of the most common status codes
* Previous calls made to a variety of API’s and app’s
* Previous calls that have been made in the last 14 days
* Previous calls that have been made more than 14 days ago
* Previous calls that have contained different Path & query values

## **Test scenarios**

* TS\_P\_LogAccess\_1\_Page\_Accessible : Verify logged in API Producer can access the ‘Log Access’ Page
* TS\_P\_LogAccess\_2\_Verify\_Results\_Returned : Verify API Producer can return results with only selecting an option from Environment dropdown
* TS\_P\_LogAccess\_3\_Maximum\_Results : Verify Results section returns a maximum of 300 API log results
* TS\_P\_LogAccess\_4\_Reset\_Button : Verify post test that the ‘Reset all’ button works correctly
* TS\_P\_LogAccess\_5\_IN\_API\_Option : Verify API Producer can return correct results when selecting an environment option, and ‘IN’ + 1 API option
* TS\_P\_LogAccess\_6\_NOT\_IN\_APP\_Option : Verify API Producer can return correct results when selecting an environment option, and ‘NOT IN’ + 1 app option
* TS\_P\_LogAccess\_7\_ NOT\_IN\_API\_Option: Verify API Producer can return correct results when selecting an environment option, and ‘NOT IN’ + 1 API option
* TS\_P\_LogAccess\_8\_IN\_APP\_Option : Verify API Producer can return correct results when selecting an environment option, and ‘IN’ + 1 app option
* TS\_P\_LogAccess\_9\_IN\_Multiple\_APP\_APP : Verify API Producer can return correct results when selecting an environment option, and ‘IN’ + multiple app and API options
* TS\_P\_LogAccess\_10\_IN\_Max\_API\_Max\_APP : Verify API Producer can return correct results when selecting an environment option, and ‘IN’ + select 40 app options and select 40 API options
* TS\_N\_LogAccess\_11\_IN\_ Invalid\_APP\_API: Verify error is returned when selecting an environment option, and ‘IN’ + select more than 40 app options and select 40 API options
* TS\_N\_LogAccess\_12\_IN\_APP\_Invalid\_API : Verify error is returned when selecting an environment option, and ‘IN’ + select 40 app options and select more than 40 API options
* TS\_N\_LogAccess\_13\_Invalid\_Environment : Verify error is returned when removing (if possible) the environment selection and clicking Apply
* TS\_P\_LogAccess\_14\_Unassociated\_Logs : Verify that logs returned do not include any logs that are not associated with the current API producer
* TS\_P\_LogAccess\_15\_IN\_200 : Verify API Producer can return the correct results when selecting an environment option, and ‘IN’ + 200 OK status code
* TS\_P\_LogAccess\_16\_NOT\_IN\_200 : Verify API Producer can return the correct results when selecting an environment option, and ‘NOT IN’ + 200 OK status code
* TS\_P\_LogAccess\_17\_IN\_400 : Verify API Producer can return the correct results when selecting an environment option, and ‘IN’ + 400 Bad Request status code
* TS\_P\_LogAccess\_18\_NOT\_IN\_400 : Verify API Producer can return the correct results when selecting an environment option, and ‘NOT IN’ + 400 Bad Request status code
* TS\_P\_LogAccess\_19\_IN\_500 : Verify API Producer can return the correct results when selecting an environment option, and ‘IN’ + 500 Server error status code
* TS\_P\_LogAccess\_20\_NOT\_IN\_500 : Verify API Producer can return the correct results when selecting an environment option, and ‘NOT IN’ + 500 Server error status code
* TS\_P\_LogAccess\_21\_IN\_Multiple\_Codes : Verify API Producer can return the correct results when selecting an environment option, and ‘IN’ + multiple API status codes
* TS\_P\_LogAccess\_22\_NOT\_IN\_Multiple\_Codes : Verify API Producer can return the correct results when selecting an environment option, and ‘NOT IN’ + multiple API status codes
* TS\_P\_LogAccess\_23\_Valid\_Time\_Period : Verify API Producer can return the correct results when selecting an environment option and setting a valid time period
* TS\_N\_LogAccess\_24\_Invalid\_Time\_period : Verify error is returned when selecting an environment option and setting an invalid time period (More than 14 days ago)
* TS\_P\_LogAccess\_25\_Valid\_Path : Verify API Producer can return the correct results when selecting an environment option and a valid Path parameter
* TS\_P\_LogAccess\_26\_Invalid\_Path : Verify no results returned when selecting an environment option and an invalid Path parameter
* TS\_P\_LogAccess\_27\_Valid\_Query : Verify API Producer can return the correct results returned when selecting an environment option and a valid Query parameter
* TS\_P\_LogAccess\_28\_Invalid\_Query : Verify no results returned when selecting an environment option and an invalid Query parameter
* TS\_P\_LogAccess\_29\_Path&Query\_Max\_Charaters : Verify the limit of 1000 characters applies to the Path&query filter input 1001 characters
* TS\_P\_LogAccess\_30\_Path&Query\_Max\_Charaters : Verify the limit of 1000 characters applies to the Path&query filter input 999 characters
* TS\_P\_LogAccess\_31\_Path&Query\_Max\_Charaters : Verify the limit of 1000 characters applies to the Path&query filter input 1000 characters

**Test cases**

**Test case : TS\_P\_LogAccess\_15\_IN\_200**

**Description :** Verify the correct results are returned when the user selects an environment, Enter 200 into the Status code field and Select the IN option.

**Environment :** Windows 10 / Chrome Version 125

**Prerequisites :** Tester should have made calls that returned 200 status codes on the selected environment.

**Steps :**

1. Log into the Log Access feature
2. Select a valid environment
3. Enter 200 into the Status code field
4. Set the toggle button to ‘IN’
5. Click “Apply” button

**Expected Result :** The most recent logs with status code 200 should be displayed in the results section.

**Test case : TS\_N\_LogAccess\_13\_Invalid\_Environment**

**Description :** Verify that error is shown when there is no Environment selected

**Environment :** Windows 10 / Chrome Version 125

**Prerequisites :** N/A

**Steps :**

1. Log into the Log Access feature
2. Leave the environment field blank or remove the default environment
3. Enter 200 into the Status code field
4. Set the toggle button to ‘IN’
5. Click “Apply” button

**Expected Result :** There should be an error message displayed and no results returned because the Environment field is a mandatory field.

## 

## **Questions regarding requirements:**

* **Functionality**
  + **General**
    - Is there going to be any functionality to filter by API method ?
    - “Maximum 40 apps & 40 API’s can be selected” - Does this mean a combined total of 40 or a combined total of 80 ?
  + **Environment** 
    - What are the expected available environments ?
    - What error should be displayed if an environment is not selected before clicking the ‘Apply’ button ?
  + **API Name**
    - What is the expected behaviour if
  + **Response codes**
    - Is there a maximum number of API codes that can be selected in this field ?
  + **In/Not In**
    - How can the user change these selections i.e toggle or dropdown ?
  + **Date/Time picker**
    - When the user clicks on this, what format of date and time picker should be visible ? Is it a calendar where the user can select a time scale from the last 14 days ?
  + **Query:**
    - Should the date and time info also be included in the query ?
  + **Results**
    - When the user clicks on the copy button in the results section how do we expect the data to be formatted ?
    - When the user clicks on the download button what file type should be expected ?
* **Security**
  + Will there be any need for an Admin user that would have access to all logs from all users ?
* **Performance** 
  + Are there any specific performance requirements for response time ?