

Encryption x2

Test Plan

Identification and Classification	Test Case 01 - Create an account System: Encrypted X2 Module: User, Backend Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User selects the desired option to login. <ol style="list-style-type: none"> a. Selects "Sign in with email" <ol style="list-style-type: none"> i. Enters valid email address ii. Enters all the required fields and selects "Create Account" b. Selects "Google" icon button <ol style="list-style-type: none"> i. If user has a valid Google account, account is created using those credentials
Expected Result	<ol style="list-style-type: none"> 1. If user selects "Sign in with email", verify email address <ol style="list-style-type: none"> a. If email address is not valid, deny creating an account 2. Account is created and home page opens 3. User can upload or create a file now

Identification and Classification	Test Case 02 - Logging into the account with correct credentials System: Encrypted X2 Module: User, Backend Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User puts in their credentials and submits

	2. If using Google, OAuth verifies the user
Expected Result	1. Home page opens and the user sees a list to files he has uploaded, if any

Identification and Classification	Test Case 03 - Logging in the account with incorrect credentials System: Encrypted X2 Module: User, Backend Severity: Important
Instructions	1. User puts in their credentials and submits 2. If using Google, OAuth verifies the user
Expected Result	1. Login is denied with a message

Identification and Classification	Test Case 04 - Logging out of the account System: Encrypted X2 Module: User, Backend Severity: Important
Instructions	1. User selects the “Sign Out” button
Expected Result	1. User should sign out from the app

Identification and Classification	Test Case 05 - Uploading files with an acceptable file extension System: Encrypted X2 Module: User, Backend Severity: Critical
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Instructions	<ol style="list-style-type: none"> 1. User selects the “Upload” option 2. Selects the file to upload
Expected Result	<ol style="list-style-type: none"> 1. File is uploaded onto the webapp 2. File is encrypted and stored on the cloud successfully 3. User receives success message

Identification and Classification	Test Case 06 - Uploading files with an unacceptable file extension System: Encrypted X2 Module: User, Backend Severity: Critical
Instructions	<ol style="list-style-type: none"> 1. User selects the “Upload” option 2. Selects the file to upload
Expected Result	<ol style="list-style-type: none"> 1. User won't be able to upload that file 2. User receives an error message

Identification and Classification	Test Case 07 - Sharing files with other users with all the email addresses valid System: Encrypted X2 Module: User Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User selects the “Share” button adjacent to the respective file 2. Enters the email addresses of the users (max 5)
Expected Result	<ol style="list-style-type: none"> 1. File is shared with those users 2. User receives a success message

Identification and Classification	Test Case 08 - Sharing files with other users with one or more of the email addresses invalid System: Encrypted X2 Module: User Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User selects the “Share” button adjacent to the respective file 2. Enters the email addresses of the users (max 5)
Expected Result	<ol style="list-style-type: none"> 1. System gives a message that one or more email addresses were invalid 2. The file is shared with the valid users

Identification and Classification	Test Case 09 - Delete files from account System: Encrypted X2 Module: User Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User selects “Delete” button adjacent to the respective file
Expected Result	<ol style="list-style-type: none"> 1. File is deleted from the cloud and not shown in the list anymore

Identification and Classification	Test Case 10 - Delete account from website System: Encrypted X2 Module: User, Backend Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User goes to account settings 2. User presses delete account

	3. User must enter password
Expected Result	1. If password is correct, account is deleted

Identification and Classification	Test Case 11 - Delete account from website with incorrect password System: Encrypted X2 Module: User, Backend Severity: Important
Instructions	1. User goes to account settings 2. User presses delete account 3. User must enter password
Expected Result	2. If password is incorrect, message will pop up saying password is incorrect

Identification and Classification	Test Case 12 - See previously uploaded files System: Encrypted X2 Module: User Severity: Important
Instructions	1. User logs in to the website
Expected Result	1. User is able to see uploaded files

Identification and Classification	Test Case 13 - Create 6-digit passkey System: Encrypted X2 Module: User
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	Severity: Critical
Instructions	<ol style="list-style-type: none"> 1. User clicks create account button 2. User is asked their 6-digit access key when creating account
Expected Result	<ol style="list-style-type: none"> 1. User's answer is saved as their access key

Identification and Classification	Test Case 14 - Set timeout options System: Encrypted X2 Module: User, backend Severity: Critical
Instructions	<ol style="list-style-type: none"> 1. User selects their desired timeout when uploading a file
Expected Result	<ol style="list-style-type: none"> 1. The time is saved specific to each file

Identification and Classification	Test Case 15 - Set invalid timeout options System: Encrypted X2 Module: User, backend Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User selects a timeout that is larger than the maximum timeout
Expected Result	<ol style="list-style-type: none"> 2. The user is prompted to enter a new value

Identification and Classification	Test Case 16 - Accept/Deny Viewing a shared file System: Encrypted X2
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	Module: User Severity: Important
Instructions	<ol style="list-style-type: none"> 1. Another user shares that file with this user 2. This user selects accept or deny
Expected Result	<ol style="list-style-type: none"> 1. The user will be able to see the file only if they press accept

Identification and Classification	Test Case 17 - Change Password System: Encrypted X2 Module: User, backend Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User selects edit account 2. User presses change password 3. User enters current password and new password
Expected Result	<ol style="list-style-type: none"> 1. If password is correct, new password will be updated

Identification and Classification	Test Case 18 - Invalid Change Password System: Encrypted X2 Module: User, backend Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User selects edit account 2. User presses change password 3. User enters incorrect current password and new password
Expected Result	<ol style="list-style-type: none"> 1. User is prompted to re-enter the correct password

Identification and Classification	Test Case 19 - Write and create files within the website and store them System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User selects create new text file 2. User inputs text and other desired features 3. User selects submit
Expected Result	<ol style="list-style-type: none"> 1. File is encrypted and stored on the cloud successfully 2. User will receive a confirmation message that the file has been stored and encrypted 3. User sees file on the main hub page

Identification and Classification	Test Case 20 - Limiting text file size when creating one from the web page System: Encryption X2 Module: User Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User selects create and write new text file 2. User tries to upload a text file too big
Expected Result	<ol style="list-style-type: none"> 1. User will receive an error on the web page saying text file is too big

Identification and Classification	Test Case 21 - Creating a new text file from the website and uploading it without any text System: Encryption X2
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	Module: User Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User selects create new text from the website 2. User tries to upload it without putting any text
Expected Result	<ol style="list-style-type: none"> 1. User receives an error saying that text file is blank 2. User receives message that they must have some text before uploading it

Identification and Classification	Test Case 22 - Downloading files and images stored in account successfully System: Encryption X2 Module: User, backend Severity: Critical
Instructions	<ol style="list-style-type: none"> 1. User selects download button for specified file/image 2. User inputs correct passwords to download the file/image
Expected Result	<ol style="list-style-type: none"> 1. It will decrypt the file/image 2. User will be downloading the original file on their end

Identification and Classification	Test Case 23 - Invalid passwords for downloading files/images System: Encryption X2
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	Module: User, Backend Severity: Critical
Instructions	<ol style="list-style-type: none"> 1. User selects download button for specified file/image 2. User inputs incorrect passwords
Expected Result	<ol style="list-style-type: none"> 1. User will be denied from downloading the file/image 2. User will receive message saying download was unsuccessful

Identification and Classification	Test Case 24 - Downloading encrypted files and images successfully System: Encryption X2 Module: User, Backend Severity: Critical
Instructions	<ol style="list-style-type: none"> 1. User selects download option for specified file/image 2. User inputs account password to download the file/image
Expected Result	<ol style="list-style-type: none"> 1. User will be downloading the encrypted file/image

Identification and Classification	Test Case 25 - Invalid password for downloading encrypted file/image System: Encryption X2 Module: User, Backend Severity: Critical
Instructions	<ol style="list-style-type: none"> 1. User selects download option for specified file/image 2. User inputs account password to download the file/image

Expected Result	<ol style="list-style-type: none"> 1. User will be denied from downloading the file/image 2. User will receive message saying download was unsuccessful
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Identification and Classification	Test Case 26 - User selects option to automatically delete file after specified time System: Encryption X2 Module: User, Backend Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User uploads a file and chooses when to delete the file automatically 2. User logs back in after specified time has passed
Expected Result	<ol style="list-style-type: none"> 1. File/image will be removed from the cloud 2. User will no longer be able to see the file/image in their main hub page

Identification and Classification	Test Case 27 - User logs in before the specified time to automatically delete file/image System: Encryption X2 Module: User, Backend Severity: Important
Instructions	<ol style="list-style-type: none"> 1. User uploads a file and chooses when to delete the file automatically 2. User logs back in before specified time
Expected Result	<ol style="list-style-type: none"> 1. User will still see the file/image in their main hub page

Identification and Classification	Test Case 28 - User inputs comments to file/image being uploaded System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User inputs comments on the file/image they are about to upload
Expected Result	<ol style="list-style-type: none"> 1. User will see the comments made about that specified file/image on the main hub page

Identification and Classification	Test Case 29 - Using search bar to find specific file/image System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User inputs name of file/image they want to find
Expected Result	<ol style="list-style-type: none"> 1. User will see the files/images they were looking for on their webpage

Identification and Classification	Test Case 30 - Using search bar but not finding specific file/image System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User inputs name of file/image they want to find

Expected Result	<ol style="list-style-type: none"> 1. User will see a message on their page saying no file/image exists with those specific words
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Identification and Classification	Test Case 31 - Using date/title tab to sort files System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User taps the date/title tab on top of the file list
Expected Result	<ol style="list-style-type: none"> 1. User will see a the files sorted in ascending order according to date/title of the file when they tap first time on the tab. The sorted order will be opposite of previous order on second tap. 2. User should see upward/downward arrow beside the tab based on ascending/descending order of sorting.

Identification and Classification	Test Case 32 - Using view shared files/images checkbox to view only shared files/images System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	<ol style="list-style-type: none"> 1. User checks the checkbox to view shared files/images

Expected Result	1. User will see all shared files/images on the hub
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Identification and Classification	Test Case 33 - Using view shared files/images checkbox to view only shared files/images but no shared files/images present System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	1. User checks the checkbox to view shared files/images
Expected Result	1. User will see a message on their page saying no shared file/image exists with those specific words

Identification and Classification	Test Case 34 - Using right click on the app to save/download files on desktop System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	1. User right clicks anywhere on the window
Expected Result	1. User would not see any menu on right clicking

Identification and Classification	Test Case 35 - Using 3 phase verification
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	when using download button to download files System: Encryption X2 Module: User, Backend Severity: Important
Instructions	1. User presses download button
Expected Result	1. User is asked to provide 3 different passwords. If password is correct, ask for next password. After final phase, start the download.

Identification and Classification	Test Case 36 - Using 3 phase verification when using download button to download files but fail to provide correct password System: Encryption X2 Module: User, Backend Severity: Important
Instructions	1. User presses download button and enters password
Expected Result	1. User fails to provide correct password. Incorrect password message is shown on the window and user is asked to enter the password again.

Identification and Classification	Test Case 36 - Using download link to download files that expires after certain time
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	System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	1. User clicks the download link
Expected Result	1. User gets the file to download

Identification and Classification	Test Case 37 - Using download link to download files after the link expired System: Encryption X2 Module: User, Backend Severity: Workaround
Instructions	1. User clicks the download link
Expected Result	1. User gets the link has expired message and download fails.