

## FTP Client Defect Log

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Severity: 1 (critical) - 3 (not severe)

Defect No.	Description	Defect Severity	Test Case No. or Description
1	Invalid alert shows up for a connection that was disconnected successfully.	1	2. Close connection to a remote server - functionality test case Set up a new connection, and click “Disconnect” button, an alert shows up that “Failed to disconnect, incorrect state”, which is not supposed to show up. Terminal gets updated with message “Disconnect connections” and connection disappear from GUI
2	“..” does not work as expected. Under path Local:/home/ (root folder), double click on “..” folder results in segmentation fault, and program crashes.	1	4. Return to parent folder (Navigate) - Boundary test case
3	Problem with the “<-” button. The GUI does not return to its parent folder. Occurs sometimes.	1	4. Return to parent folder (Navigate) Open multiple connections, and switch them across two tabs for several times. And go into different folders for several times. Go into an empty folder of a connection, the only thing shown on GUI is “..” folder. Single click on “..” folder and it turns red, then click on “<-” (either single or double click).

4	Connection details not saved after restarting the program. All saved connections changed to same nickname automatically by system.	1	7. Save connection details Save several connection with same ip, port, and different nickname. Then, Restart the program. Open “File” in the top toolbar, then click the “Edit Saved Connections” button to open the “Preferences” window.
5	Problem with saving “Auto-start connection”. We can open saved connections in preference panel. The new connection is saved without checking “Auto-start connection”	1	7. Save connection details Create a new connection by clicking “New Connection” under “Connections” menu, the new connection is created with “Auto-start connection” checked. To save the new connection by clicking “Save open connection”.
6	After restarting application, there is a bug with editing connections. This is caused by the zombie connections. The program the application quits with “segmentation fault”.	1	8. Editing saved connection details Open “File” in the top toolbar, then click the “Edit Saved Connections” button to open the “Preferences” window. Choose a zombie connection caused by “Save Connection” bug, then click the “Edit” button.
7	Problem with editing “auto-start connection” option. Reopen the same connection, and the change on “Auto-start connection” is not saved.	1	8. Editing saved connection details Open “preference” panel by clicking “Edit saved connections” under “file” menu, select a saved connections and click “Edit”. The connection is saved without checking “Auto-start connection”. Check “Auto-start connection” and click “Ok”.

8	The folder in the not deleted after a right click on a folder and selecting yes when prompted.	1	10. Delete files from remote connection/local machine User right clicks on a folder and selects delete file. The user clicks yes.
9	It shows a successful progress bar to upload a .png file with size over 0 bytes to server.	1	6.upload a file from an open connection Select a 0 size .jpg file to upload to the local connection. Select move file to other tab.
10	Unable to edit editable files via GUI. Trying to open a txt / doc / docx file or a file without extension via GUI to edit. A error message pops up showing that “Could not find default editor” and the application quits with segmentation fault.	1	11. Edit files from remote connection via ‘GUI’ Right click on a file and select open. Tried this with different file formats such as .txt, .cpp, .png etc.
11	Unable to move a file from local machine to connection via GUI.The file is not moved to connection and it is still on local machine.  Unable to move multiple files from local to connection via GUI. Select, drag and drop multiple files to the GUI with connection on. Multiple files are not moved to connection and they are still on local machine.	1	13. Move files Drag and drop one file to the GUI with connection on.
12	Unable to rename one or more tabs. There is no access to rename a tab.	2	14. Naming different tabs Looked at all the options in menu and also tried double clicking and right clicking to rename a tab.
13	The program did not automatically log into server which user saved before when user open a new connection.	1	15. Automatically log into server I chose

14	Unable to display file date changed.	2	22. Display file metadata (size, date changed, etc) Look at GUI for local and new connection.
15	Background download queue limit does not get updated. Enter an arbitrary numeric value for the transfer rate max. When the connection options window is open again, it does not get updated and reverts back to 10.	2	25. Set a background download queue limit. Click “Connection Options” under “Connections” menu, the default “transfer queue limit” is 10. Change it to 1000, and click “OK”.
16	Enter non-numeric values for the transfer rate max. There is no error message popping up, and the value stored in becomes 0.	2	27. Limit transfer rates across a connection Click “Connection Options” under “Connections” menu, change the value of “Transfer rate max (MB/s)” to non-numeric values, eg. abc, and click “OK”.
17	Set the queue limit to 0. There is no error message about a queue limit reached even if the number is 0 or an invalid queue number and files can still be downloaded or uploaded.	2	25. Set a background download queue limit Click “Connection Options” Under “Connections” menu. Change the queue limit to 0.
18	Download files until non-zero queue limit reached. However, before more items can be queued, after two items queued, an error dialog appears.	2	24. Queue up files to download in the background Download files are added to the queue until the limit is reached.
19	Open up Debug Window in Help. Type “cd <i>pathname of folder</i> ”. Segmentation fault occurs. Wrong input not handled gracefully.	2	23. Travel to a directory using command cd in debug window
20	Command “ls” which is listed as a valid command in the team’s FTP usage document produces a	2	21. Interact with client using a terminal. Open up debug window in help and type in

	segmentation fault and the application crashes.		command “ls” which is listed as a valid command in the team’s FTP usage document.
21	Connections cannot be loaded and application crashes with segmentation fault after restarting the application.	2	9. Loading connection details New test. Save some connections and restart the application. After restarting the application, click on file in menu and select “edit saved connections”. Click on a connection and select load.
22	Connections cannot be deleted after restarting the application.	2	New test. Save some connections and restart the application. After restarting the application, go to menu and select “edit saved connections”. Click on a connection and select delete.
23	Invalid input for non-numeric port not handled and allowed.	2	8. Editing saved connection details Click on file and select “edit saved connections”. User selects the saved connection and select edit and type in “abc” in the port.
24	Upload and download progress bar freezes at 5% after uploading or downloading a file successfully.	3	5. Download a file from an open connection. 6. Upload a file from an open connection. Right click on a file and select move file to other tab.
25	-> button does not work. It is not enabled and the panel does not change.	2	3. Go into a folder. (Navigate) Go to a previously viewed folder by clicking forward (->) button.
26	Command “disconnect” does not	3	2. Closing connection to a

	work in debug window.		remote server. According to the user manual, command “disconnect” is a valid debug window command.
27	Local connection which should not be disconnected disconnects as well when “disconnect connections” in connections is selected.	2	2. Closing connection to a remote server. Select disconnect connections under connections in menu.
28	Command “Connect ip port username password” does not work in debug window. Application crashes.	3	2. Connect using console As listed in user manual, valid command “connect ip port username password” was typed into the debug window.
29	Right click on a file and select “Move to”, input correct move path and click “OK”. The selected file appears in the destination. However, the file still exists in the old directory, which is not supposed to be. Since the old file still exists in old directory, the action should be “copy” instead of “move”.	2	13. Move files. Same topic as test case 13, but the way of testing is different