

Test Plan - Private Network Utility

Test ID	Description	Severity	Type	Instruction	Output
Private Network Utility Client 001	Network Connection Monitoring	Critical	Functional	Connect to a private network and click on Network Connection Monitoring button from main menu	Display a list of devices that are connected to the private network
Private Network Utility Client 002	Network Connection Monitoring	Important	Functional	Disconnect from a private network and click on Network Connection Monitoring button from main menu	Network Connection button will be disabled.
Private Network Utility Client 003	Network Connection Monitoring	Critical	Functional	Connect to a private network and click on Network Connection Monitoring button from main menu. Disconnect one of the device that is connected.	An updated device list with the disconnected device removed will be displayed.
Private Network Utility Client 004	Tracking Data Flow	Critical	Functional	Select a connected device from device list and click on Track Data flow	Small popup will appear to show user the network usage statistics of the selected device in a certain period of time
Private Network Utility Client 005	Tracking Data Flow	Important	Boundary	Select a connected device from device list and click on Track Data flow with data statistic exceed max allow value.	Should handle the statistic display by adjusting the max value.
Private Network Utility Client 006	Tracking Data Flow	Critical	Functional	While accessing Data Flow, disconnect from a private network	A small pop-up window should pop-up to indicate that user have been disconnected from a network
Private Network Utility Client 007	Tracking Data Flow	Important	Equivalent	Disconnect the selected device from the private network while the pop-out	A new pop-up window or something else should be shown saying that the device is disconnected.

				window still shows.	
Private Network Utility Client 008	Messaging	Critical	Functional	Select a connected device from device list and click on message button from main menu	A popup-window with send and cancel option will allow the user to enter a message to send to that device
Private Network Utility Client 009	Messaging	Important	Functional	Select a connected device from device list and click on message button from main menu. Click cancel on appeared pop-up	Popup-window should disappear and no message should be sent.
Private Network Utility Client 010	Messaging	Critical	Functional	Select a connected device from device list and click on Messaging button from main menu. Type a message and click send.	A popup-window will appear to showing that message was sent successfully or not based on the validation and sent function callback.
Private Network Utility Client 011	Messaging	Important	Equivalence	Select a connected device from device list and click on Messaging button. Type a message with valid length and characters in the popup and click send.	A popup should tell the user that the message sent successfully
Private Network Utility Client 012	Messaging	Workarou nd	Boundary	Select a connected device from device list and click on Messaging button. Close the internet connection or Wifi and type a message with valid length and characters in the popup and click send.	A popup should tell the user that the message sent unsuccessfully because of lost of internet connection
Private Network Utility Client 013	Messaging	Workarou nd	Boundary	Select a connected device from device list and click on message button from main menu. Click send (empty	A warning popup should indicate that user is sending an empty message.

				message for popup box).	
Private Network Utility Client 014	Messaging	Important	Boundary	Select a connected device from device list and click on message button from main menu. Click send (Input a very long message).	A warning popup should indicate that user is sending a very long message.
Private Network Utility Client 015	Messaging	Critical	Functional	Click on Messaging button without choosing a device	Messaging button should be restricted from clicking if no device is chosen.
Private Network Utility Client 016	Parental Control	Critical	Functional	Connect a private network and click on parental control button	Display a list of websites that are banned from viewing.
Private Network Utility Client 017	Parental Control	Critical	Functional	Connect to a private network, click on parental control and click on add.	Enables user to add a website to be banned. Text box for url will appear.
Private Network Utility Client 018	Parental Control	Critical	Equivalence	Connect to a private network, click on parental control and click on add. Input a valid url on url textbox	Inputted url is add to the list of banned website.
Private Network Utility Client 019	Parental Control	Important	Boundary	Connect to a private network, click on parental control and click on add. Input a non-url into the url textbox	A warning popup-message should indicate that a valid url was not entered.
Private Network Utility Client 020	Parental Control	Important	Boundary	Connect to a private network, click on parental control and click on add. Input a empty string into the url textbox	A warning popup-message should indicate that empty string is inputted.
Private Network Utility Client 021	Parental control	Workarou nd	Boundary	Connect to a private network, click on parental control and click on add. Input a very long url.	Either a very very long url is supported or a popup-message is shown to notify the user the max length of the url should be.

Private Network Utility Client 022	Parental control	Critical	Functional	Connect to a private network, click on parental control and click on add. Input a website.	The entire website should be blocked, which means any pages from this website can't be shown and proper message should be shown.
Private Network Utility Client 023	Parental Control	Critical	Functional	Connect to a private network, click on parental control and click on remove. Select from queried list inputs to remove.	Selected urls are removed from list of banned websites
Private Network Utility Client 024	Parental Control	Important	Boundary	Connect to a private network, click on parental control and click on remove. Option to select all from queried list available.	All urls selected are removed from list of banned websites
Private Network Utility Client 025	Parental Control	Critical	Functional	In a device that connected to the network, try to connect to several websites that is listed in the Banned List	The websites should be blocked correctly and a proper notice is shown to the user.
Private Network Utility Client 026	Parental	Important	Equivalence	In a device that connected to the network, try to connect to several websites that is not in the Banned List.	The websites should be shown correctly.
Private Network Utility Client 027	Checking connection speed	Critical	Functional	Connect to a private network, and click on speed detection button.	A popup window will request the user to enter the server and port that the client is running on.
Private Network Utility Client 028	Checking connection speed	Critical	Equivalence	Connect to a private network, click on speed detection button. Enter server and port number of a client.	Upload/download speed will be updated on the main window..
Private Network Utility Client	Checking connection speed	Important	Functional	Connect to a private network, click on speed detection	Upload/download speed need to be formatted to be readable. When the

029				button. Enter server and port number of a client.	speed arise, displaying mb/s instead kb/s, or equivalent
Private Network Utility Client 030	Checking Connection speed	Important	Equivalence	Connect to a private network, click on speed detection button. Enter invalid server and port number of a client.	A popup-message should appear to indicate invalid server and port number.
Private Network Utility Client 031	Tutorial	Critical	Functional	Connect to a private network. Click on the tutorials button in the client window	A popup window will request the user to select from a list an available tutorial
Private Network Utility Client 032	Tutorial	Critical	Functional	Connect to a private network. Click on the tutorials button and select a feature in the list to have tutorial.	Tutorial will appear with button next clickable for navigation
Private Network Utility Client 034	Tutorial	Important	Functional	Connect to a private network. Click the next button on the tutorial.	Should continue on with the tutorial
Private Network Utility Client 035	Tutorial	Workaround	Boundary	Connect to a private network. Click a tutorial only has one page of tutorial.	Should not show the next button.
Private Network Utility Client 036	Tutorial	Important	Functional	Connect to a private network. Click the next button when the tutorial is completed.	The next button will no longer continue past the last section of tutorial text.
Private Network Utility Client 037	Tutorial	Important	Boundary	Connect to a private network. Click on the tutorial button and select a feature. And click other area except next button	Click on buttons other than "next" should be dealt carefully. Either the tutorial may end or none of the buttons other than "next" can be clicked.
Private Network Utility Client 038	Tutorial	Workaround	Boundary	Click another tab after clicking a tutorial and click tutorial tab again	Should handle the interrupt and maintain the same tutorial information as previous