

Network Manager Test Cases

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1. Push create profile button

For ethernet or wireless connections

- 1.1. Try to create a new profile.
 - 1.1.1. Without adding a new name
Observe that it gives a warning about the profile name and prevents to create the new profile.
 - 1.1.2. Add a new name and try to create this profile.
Observe that it can be added without any problem.

For wireless connections

- 1.2. Try to scan for a wireless network
Observe that it can find wireless networks.
 - 1.3. Disable hide password.
Observe the situation.
 - 1.4. Try to add this wireless network password and
Observe the situation.
2. Configuring Profiles (Push the profile configuration button on the right part of each profile.)

- 2.1. Observe your ethernet or wireless device is in the list of Device dropdown.
You can execute this command in order to observe this devices:

network devices

Compare the output of the command with the devices in the combobox.

- 2.2. Try to change the profile name

network connections

And observe that its name was changed.

!!!Apply each of the below cases randomly and observe the output of the below command after applying each case.

```
ping 4.2.2.1
```

If the network reachable it will give an output like this:

```
PING 4.2.2.1 (4.2.2.1) 56(84) bytes of data.  
64 bytes from 4.2.2.1: icmp_seq=1 ttl=244 time=74.8 ms  
64 bytes from 4.2.2.1: icmp_seq=2 ttl=244 time=83.9 ms
```

2.3. Network settings and name servers

Execute this command for listing IP address and network mask:

```
ifconfig
```

Then observe that those variables of the above command:

```
Variable "inet addr" means the IP address  
Variable "Mask" means network mask
```

Execute this command for listing gateway:

```
route -n
```

Interested Gateway is for the Genmask which is equal to 0.0.0.0

2.3.1. Use DHCP

- Select default or automatic for the name server.
Execute the above two command and observe that your related device takes the automatic settings.
- Use custom address and network mask.
Execute the first above command and observe that your related device takes the IP address and network mask that you gave.
- Use custom default gateway
Execute the second above command and observe that your related device takes the gateway that you gave.

2.3.2. Use Manual Settings

Execute the above two command and observe that your related device takes the settings that you gave.

3. Try to remove a profile. ((Push the remove button on the right part of each profile.))

Execute this command:

```
network connections
```

And observe that it was removed from the output of this command.

4. During some operation, cancel the authorization window.

Observe that the network manager remain in its early state.

5. During some operation select always remember password.

Try to make an operation from network manager.

During the operation, observe that the authorization ignored.

6. Listing profiles (The right up part of the manager)

- Choose wireless networks from dropbox.
Observe that the manager can list the wireless networks properly.
- Choose all profiles from dropbox.
Observe that it can be list the appropriate profiles.
- Choose Ethernet profiles from dropbox.
Observe that it can list the ethernet profiles properly.

7. When your internet connection is up, unplug the ethernet cable.
Observe that the related device is signed with "Cable or Device Unplugged".
8. If you use an external wireless device and unplug it.
Observe that the related device is signed with "Cable or Device Unplugged".
9. Close the modem, when the network connection has already established.
Observe that the related profile is down in 180 seconds.
10. Try to connect to modem, when the modem is off.
Observe that a warning message given in 180 seconds. (Warning message about the connection can not be establish).