

Captive Portal in Emulator

Introduction

Captive portal provides user to configure their Wi-Fi SSID, credentials. On fresh boot-up and factory-reset, Captive Portal prompts to change the default ssid name and password for browsing any url's on connected client's through Gateway network.

Captive Portal Working steps

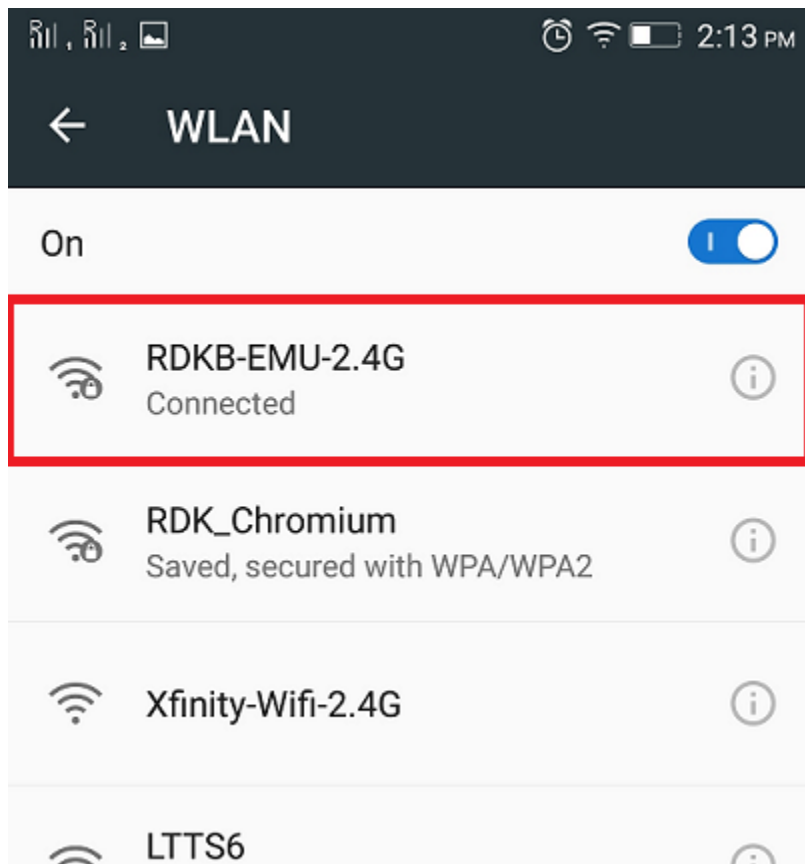
Step : 1

On Fresh boot-up/Factor-Reset , User's associated with Emulator Gateway Network. Now Connect your Mobile devices to default Wi-Fi SSID and Passkey of Emulator Device.

Emulator Wireless Credentials ,

For 2g : SSID : RDKB-EMU-2.4G and Passkey : 2g-password

For 5g : SSID : RDKB-EMU-5G and passkey : 5g-password

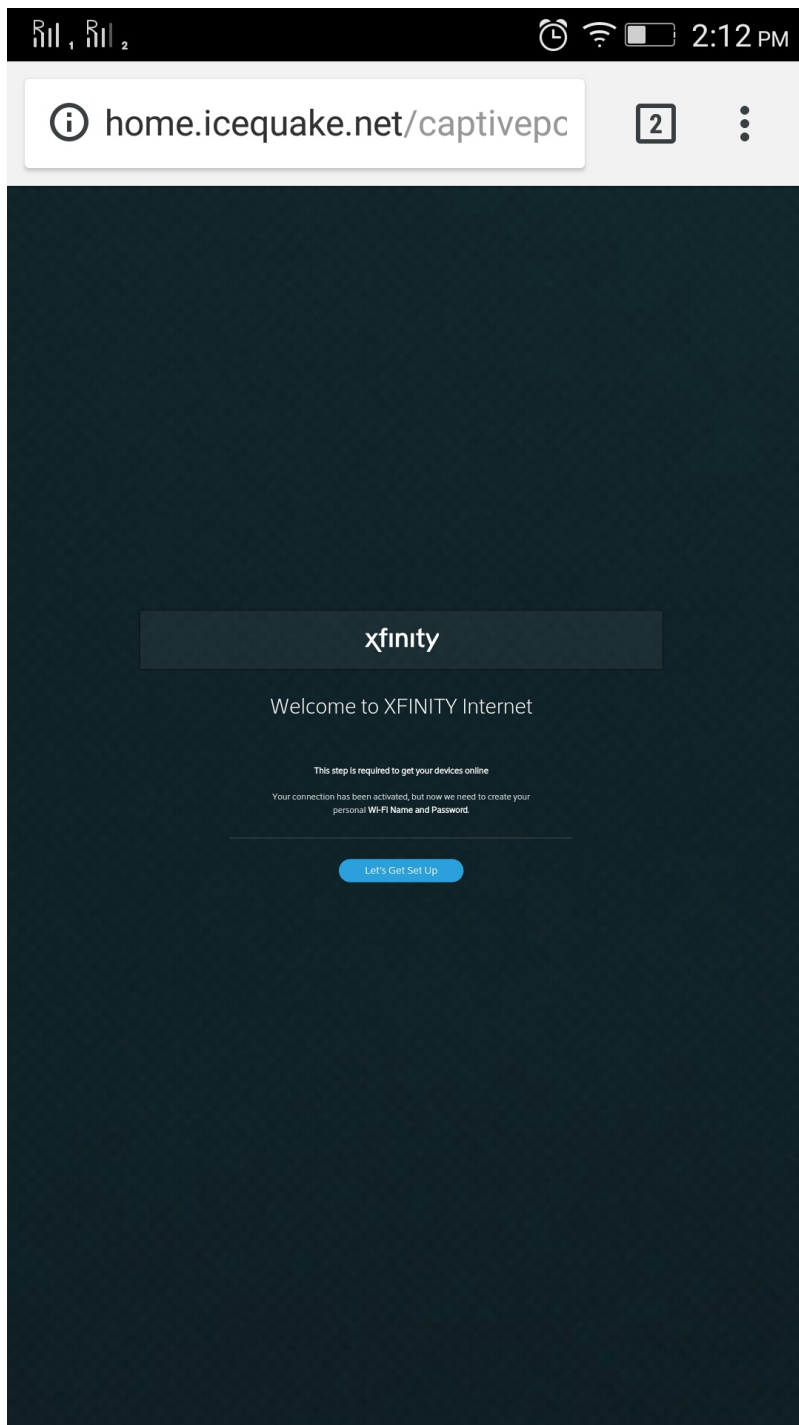


Step : 2

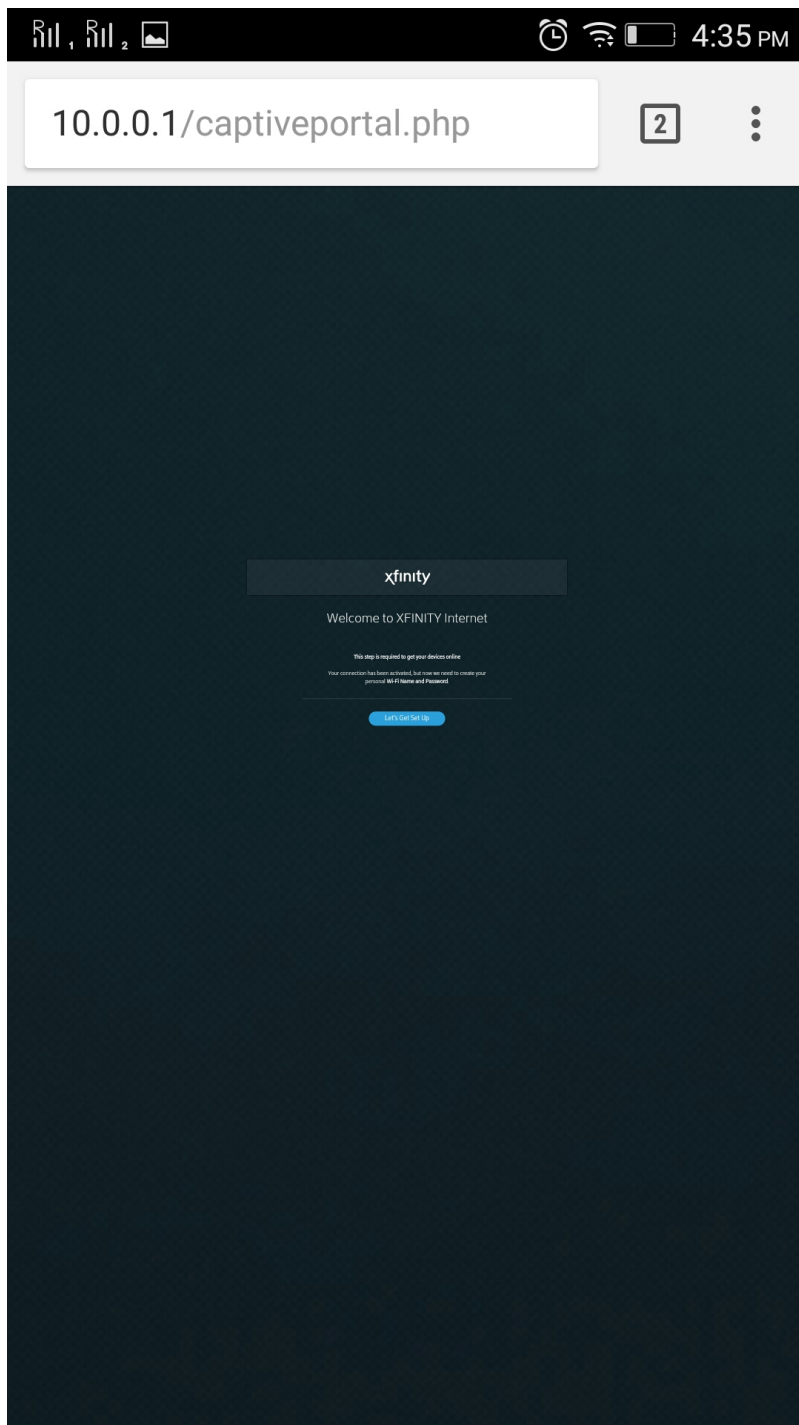
Next open any web browser on connected client and then try to access any of the http site/WebUI . We observe that http url request gets redirected to default captive portal page as shown as below :

Screen shot : 1

For example : <http://home.icequake.net>



Type <http://10.0.0.1:80> in browser



Screen shot : 2

Set your individual Wi-Fi SSID and Passkey for your Emulator device in the captive portal page. Click on Next.

3:49 PM

home.icequake.net/captivepc

2

xfinity

Create Your Wi-Fi Name & Password

This step is **required**, so choose something that you will easily remember.

You'll have to reconnect your devices using the new credentials.

2.4 GHz Network

Wi-Fi Name

Test-emu-2g

Wi-Fi Password

Passwords

Hide

Your password is currently: Weak

5 GHz Network

Wi-Fi Name

Test-emu-5g

Wi-Fi Password

Passwords

Hide

Your password is currently: Weak

Show Less Settings

☐ Use same settings for 2.4GHz and 5GHz Wi-Fi networks.

Next

Screen shot : 3

Click on Next . The New SSID and Passkey is set and then comes out from Captive Portal page.



Confirm Wi-Fi Settings

2.4 GHz Network
 Wi-Fi Name Test-emu-2g
 Wi-Fi Password Passwords

5 GHz Network
 Wi-Fi Name Test-emu-5g
 Wi-Fi Password Passwords

Send yourself a text with your Wi-Fi name and password.
 This is an optional one-time-only text.

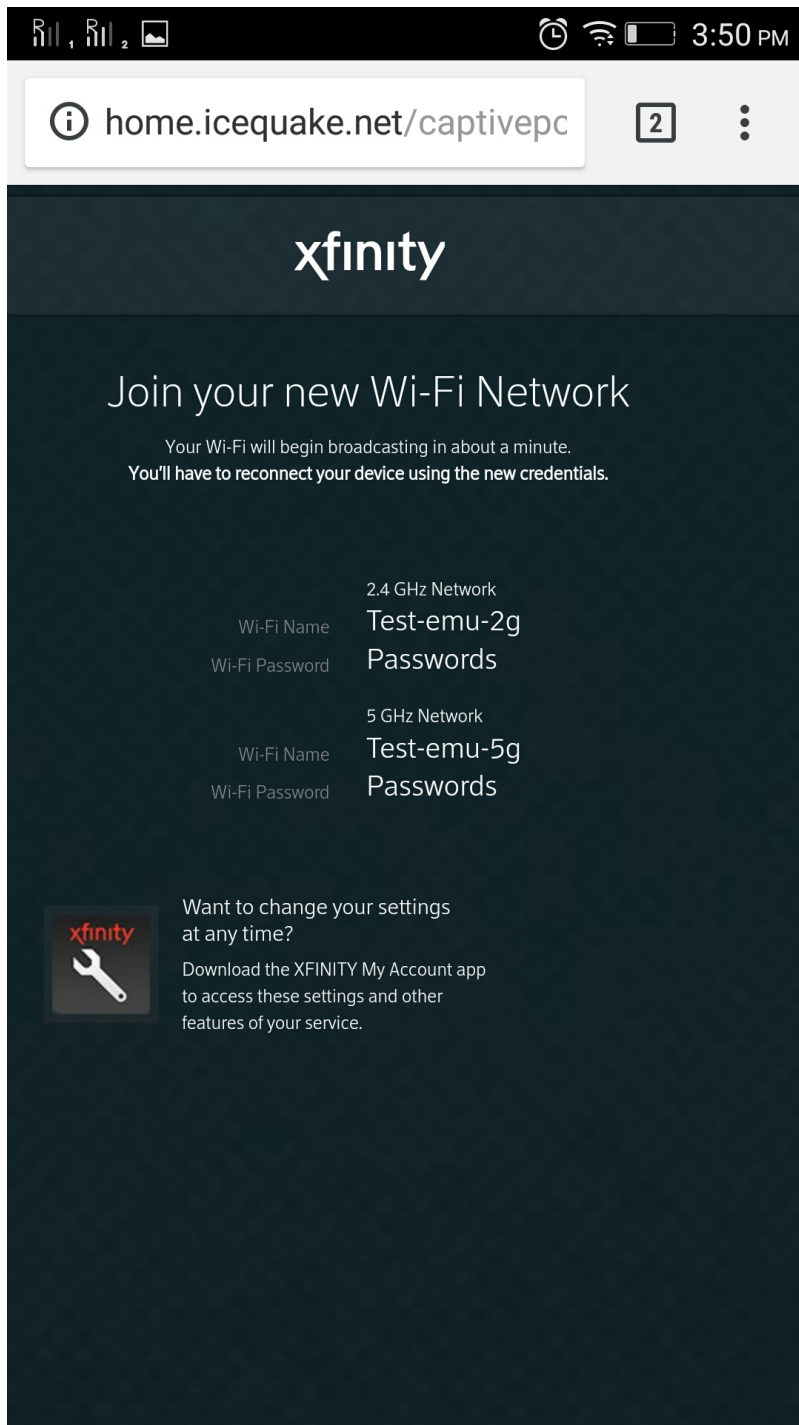
Your Mobile Number (Optional)

☐

I agree to receive a text message from Comcast via automated technology to my mobile number provided regarding my Wi-Fi name and password.

[Previous Step](#)

[Next](#)



Step : 3

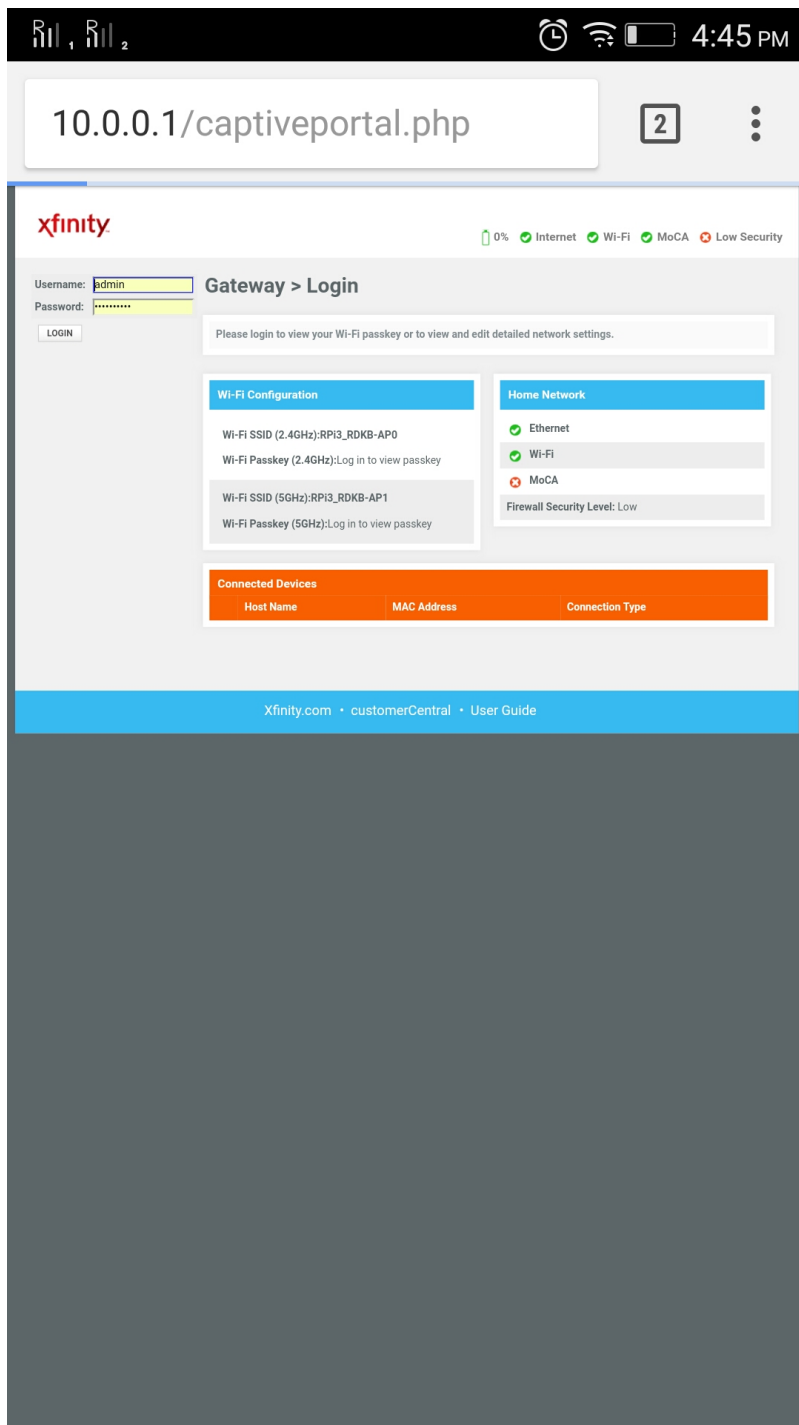
Enabling and Disabling the captive portal page on fresh boot-up / factory-reset

```
root@qemux86broadband:~# dmcli simu getv Device.DeviceInfo.X_RDKCENTRAL-COM_CaptivePortalEnable
CR component name is: com.cisco.spvtg.ccsp.CR
subsystem_prefix .
getv from/to component(com.cisco.spvtg.ccsp.pam): Device.DeviceInfo.X_RDKCENTRAL-COM_CaptivePortalEnable
Execution succeed.
Parameter      1 name: Device.DeviceInfo.X_RDKCENTRAL-COM_CaptivePortalEnable
               type:      bool,      value: false

root@qemux86broadband:~# dmcli simu setv Device.DeviceInfo.X_RDKCENTRAL-COM_CaptivePortalEnable bool false
CR component name is: com.cisco.spvtg.ccsp.CR
subsystem_prefix .
setv from/to component(com.cisco.spvtg.ccsp.pam): Device.DeviceInfo.X_RDKCENTRAL-COM_CaptivePortalEnable
Execution succeed.
```

If this Parameter "Device.DeviceInfo.X_RDKCENTRAL-COM_CaptivePortalEnable" gets disabled, WebUI should be UP instead of captiveportal.

If this parameter "Device.DeviceInfo.X_RDKCENTRAL-COM_CaptivePortalEnable" gets enabled, Captive Portal should be UP instead of WebUI.

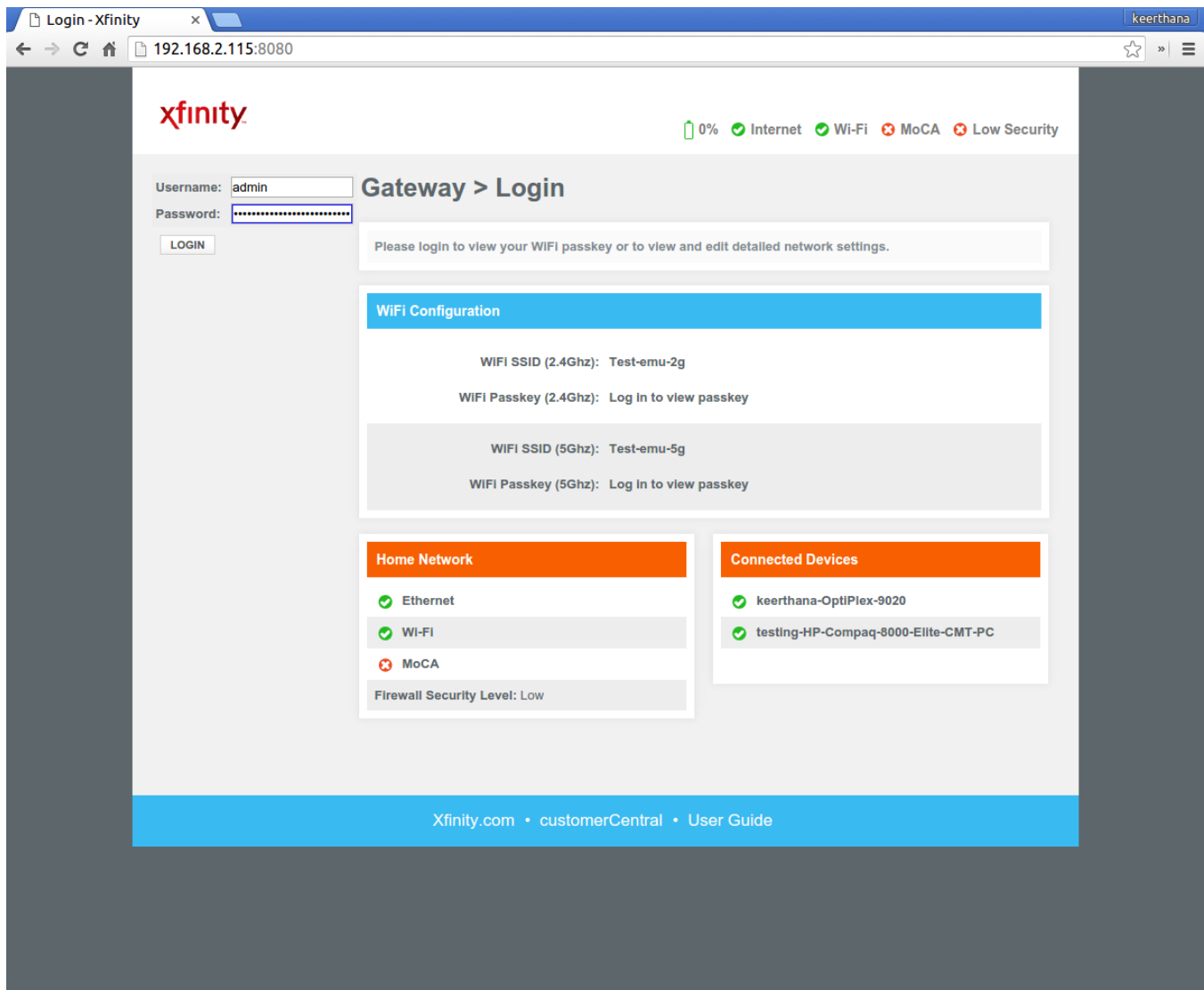


Step : 4

Login to the device WebUI from your PC. Please follow the below steps,

URL : [http://10.0.0.1\(GatewayIP\):80](http://10.0.0.1(GatewayIP):80)

Default login ID and Password : admin and password



Step : 5

If it's first time login , you are prompted to change your default password.Please login again using the New Password.

192.168.2.115:8080/c

192.168.2.115:8080/check.php

keerthana

192.168.2.115:8080 says:

You are using a default password, would you like to change it?

☐ Prevent this page from creating additional dialogs.

Cancel

OK

Wi-Fi

MoCA

Low Security

rk settings.

xfinity

Username: admin

Password: *****

LOGIN

WiFi Configuration

WiFi SSID (2.4Ghz): Test-emu-2g

WiFi Paskey (2.4Ghz): Log in to view passkey

WiFi SSID (5Ghz): Test-emu-5g

WiFi Paskey (5Ghz): Log in to view passkey

Home Network

✓ Ethernet

✓ Wi-Fi

✗ MoCA

Firewall Security Level: Low

Connected Devices

✓ keerthana-OptiPlex-9020

✓ testing-HP-Compaq-8000-Elite-CMT-PC

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Troubleshooting > x x keerthana

192.168.2.115:8080/admin_password_change.php

xfinity Hi admin • [Logout](#) • [Change Password](#)

0% Internet Wi-Fi MoCA Low Security

Change Password

Periodically change your Admin Tool password to protect your network.

Password

Current Password:

New Password:

Re-enter New Password:

Show Typed Password: ☒

Password Must be minimum 8 characters(Alphanumeric only). No spaces. Case sensitive.

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Step : 6

Bring the device to Factory Reset Mode :

- Go to Troubleshooting drop-down menu and select the Reset/Restore Gateway.

Click on Restore Factory Settings option, a confirmation window opens and then click 'OK'.

Troubleshooting > R

192.168.2.115:8080/restore_reboot.php

keerthana

Hi admin • [Logout](#) • [Change Password](#)

0% Internet Wi-Fi MoCA Low Security

Gateway

Connected Devices

Parental Control

Advanced

Troubleshooting

Logs

Dagnostic Tools

Reset/Restore Gateway

Change Password

Troubleshooting > Reset / Restore Gateway

Reset or restore the Gateway. [more](#)

Reset / Restore Gateway

RESET

Press "Reset" button to restart the gateway.

RESET WI-FI MODULE

Press "Reset Wi-Fi Module" to restart just the Wi-Fi Module only.

RESET WI-FI ROUTER

Press "Reset Wi-Fi Router" to restart Wi-Fi and Router modules.

RESTORE WI-FI SETTINGS

Press "Restore Wi-Fi Settings" to activate your Gateway Default Settings for Wi-Fi only. Only your Wi-Fi settings will be lost.

RESTORE FACTORY SETTINGS

Press "Restore Factory Settings" to activate your Gateway Default Settings. All your previous settings will be lost.

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192.168.2.115:8080/restore_reboot.php#