CTS-301

BIG-IP LTM

MGMT Configuration

Step by Step Configuration Guide

Intellectual Property

Table of Contents

1. Version Control

Version	Date	Notes	Created By	Release
1.0	09/03/2019	Student Workbook for LAB	Mazhar Minhas	Draft
1.1	19/05/2019	Topology update	Mazhar Minhas	Initial Release
1.2	07/05/2020	Diagram and document redesign and Formatting	Farooq Zafar	Final Release

2. Reference Document

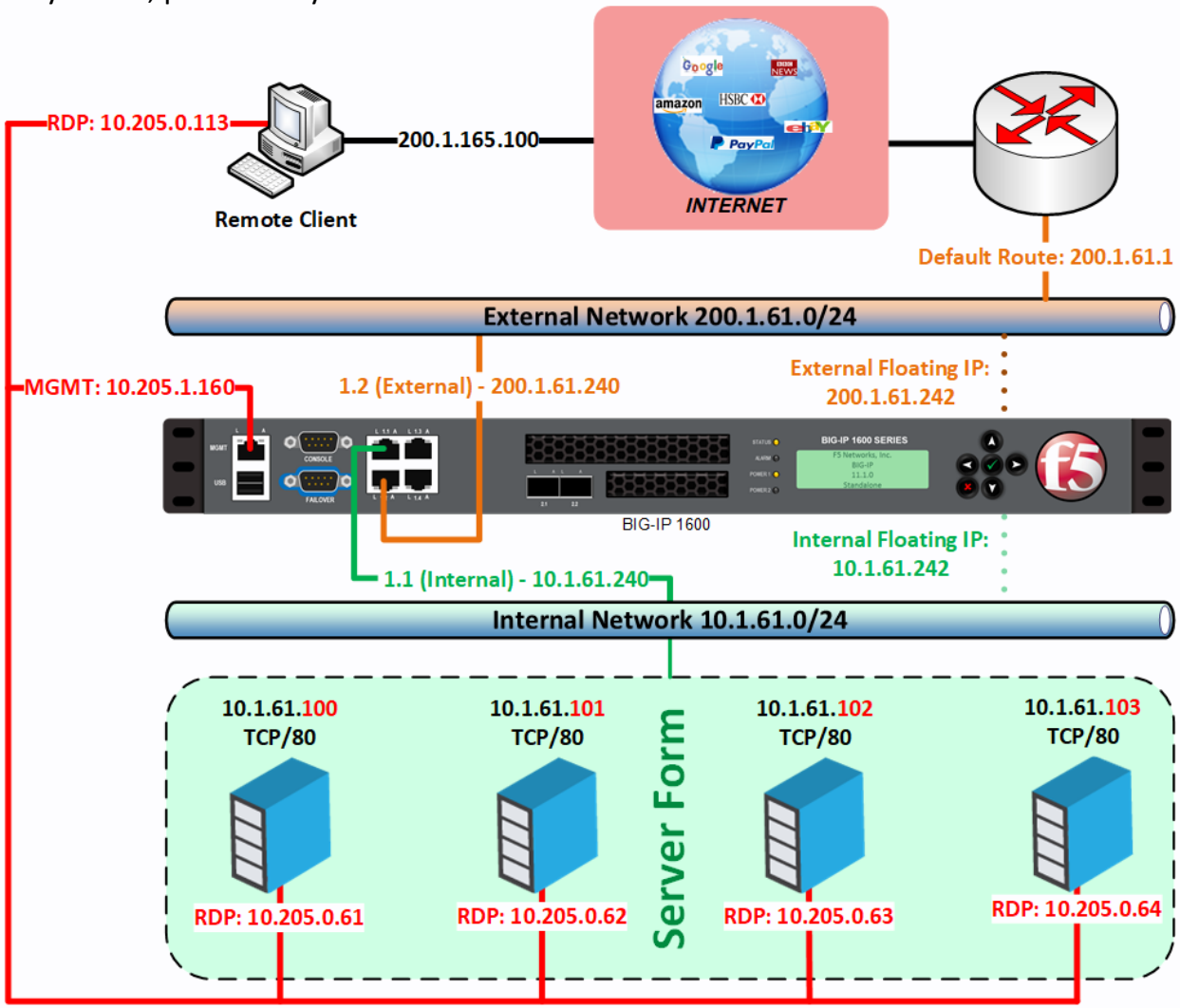
Click for the Reference document

3. Assumption

- ✓ We understand that delegate already understand L2/L3, Routing.
- ✓ The delegate already knows the "***Fortray Networks – Checkpoint Firewall"*** physical and logical connection.
- ✓ The delegate already has a basis Troubleshooting skill, such as ping and trace.
- ✓ The delegate already has access to the "***Fortray Networks – Checkpoint Firewall"*** *Spreadsheet encompassing the Basic Layer, 2, 3 and allocated subnet information. For more details refer to the "****Student Folder".***
- ✓ This document is created to show an example for one topology only. The candidate needs to refer to his own topology and follow this step by step guide.
- ✓ We assume that delegate already has installed the VPN software and him/she have VPN user / Password. If any issue, contact our Technical team.
- ✓ Our VPN software is supported by PC, MAC, Android, and IOS devices.
- ✓ It's also assumed that delegate has access to PC/Laptop i5 with 4GB RAM.
- ✓ For optimal connectivity, we recommend at least a 10MB internet connection.
- ✓ We assume that we already have INTERNAL, DMZ, OUTISE interfaces that are already configured.

4. Network Topology

The below network topology is just for information purpose only. Please refer to your student folder and your designated topology.
If any doubt, please ask your instructor.



Fortray F5 LTM: VLAN 61

No	Interface	Assigned VLAN
M	Management	205
1.1	Internal	61
1.2	External	261
1.3	HA	100

5. Fortray F5 BIG-IP Task: MGMT Interface Configuration

Fortray Network engineering team had recently installed the F5 BIG-IP on the VMWARE. They have been asked to provide the configuration steps to change the default MGMT IP as per Network design.

The below information will be used for the configuration of the MGMT interface:

Fortray Networks F5 LTM								
Device Name	**MGMT IP**	**SSH**	**LTM Version**	**Access SSh**	**User**	**Password**	**Defaults**	**Special Instruction**
FN-F5-PRIMARY-160.fortraylab.com	10.205.1.160	Yes	13.X	Version 2	admin	cisco123/admin	root/default	
FN-F5-STANDBY-161.fortraylab.com	10.205.1.161	yes	13.X	Version 2	admin	cisco123/admin	root/default	

Summary of the steps

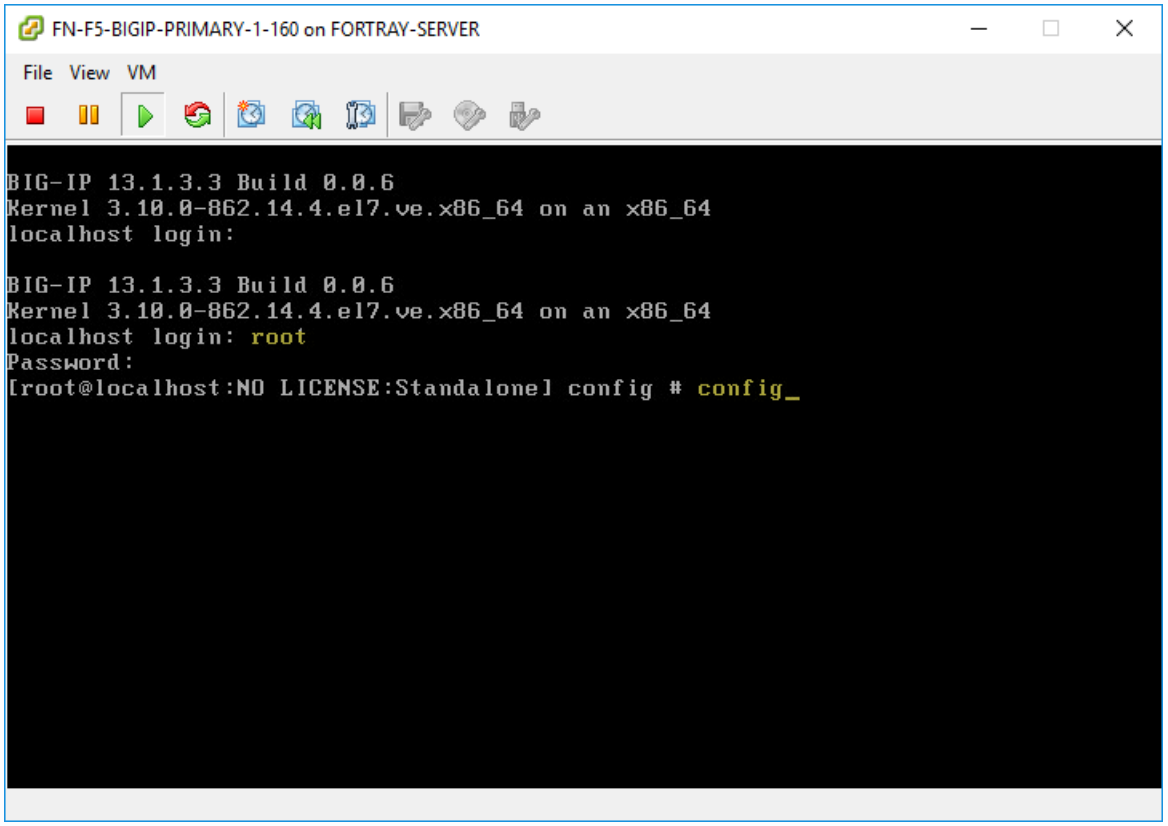
- Logging in to CLI
- Configuring MGMT interface IP address
- Verifying MGMT IP Address Configuration

6. F5 BIG-IP Configuration: MGMT Interface Configuration

In this section, we will configure the F5 BIG-IP Product MGMT IP address.

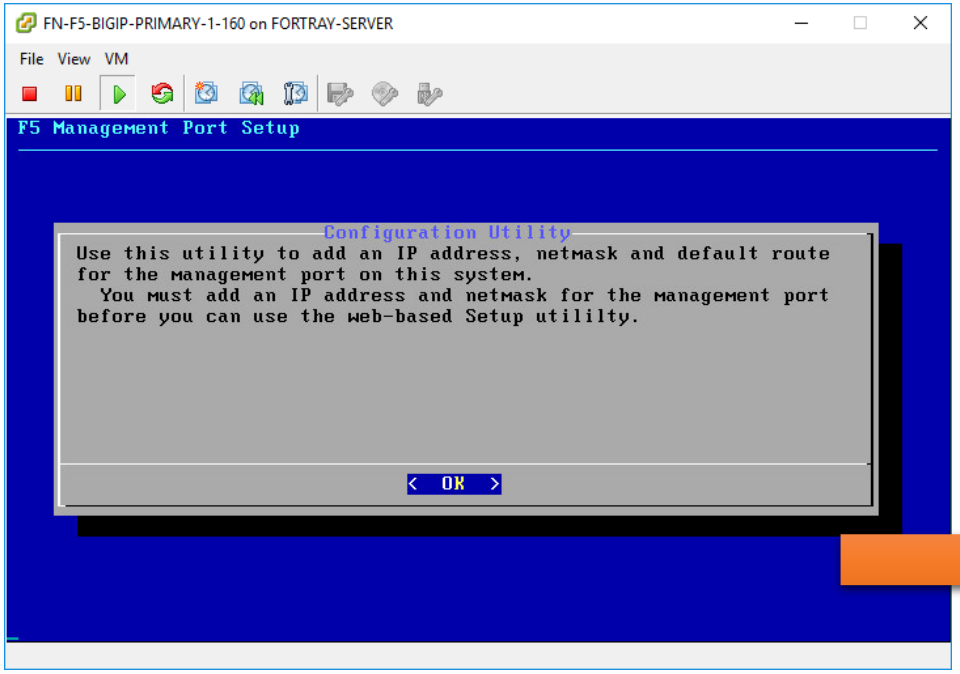
6.1 Step 1: Logging to F5 BIG-IP Virtual Machine

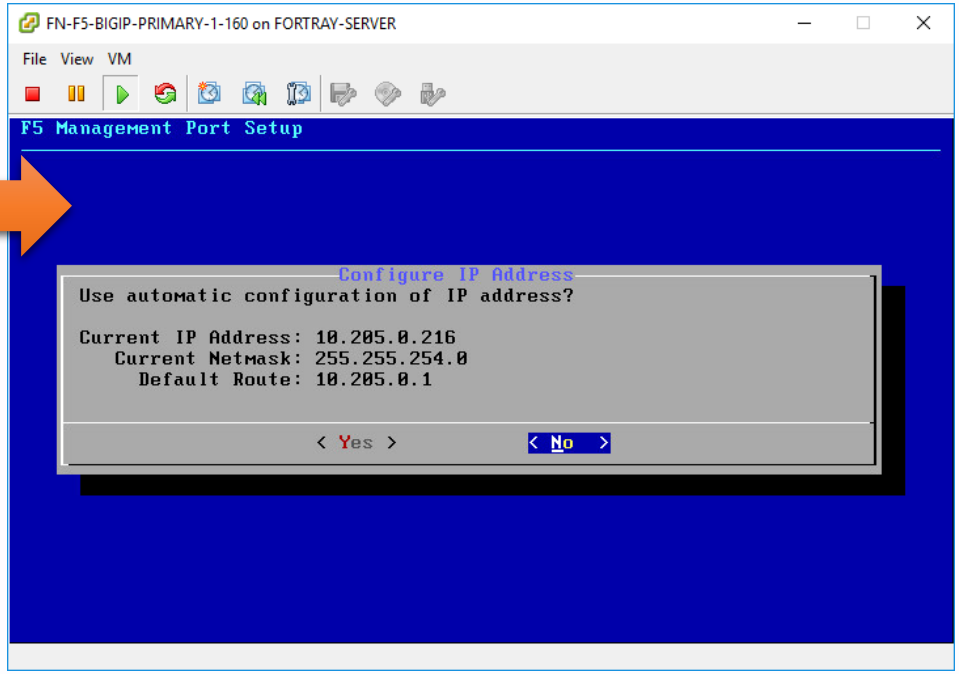
Open the Console of newly created Virtual Machine and log in using default credentials root/default, and issue "config" command to continue.



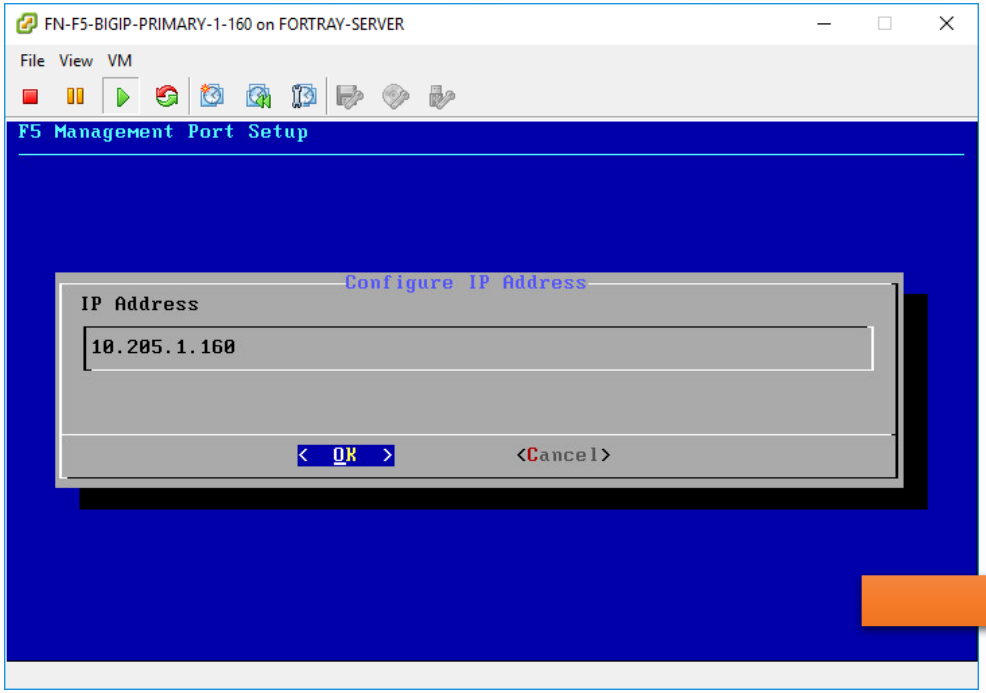
6.2 Step 2: Configuring MGMT IP address

Once issuing the ***"Config"*** command, we will see the below screen, Press ***<enter>*** on Configuration utility information screen.



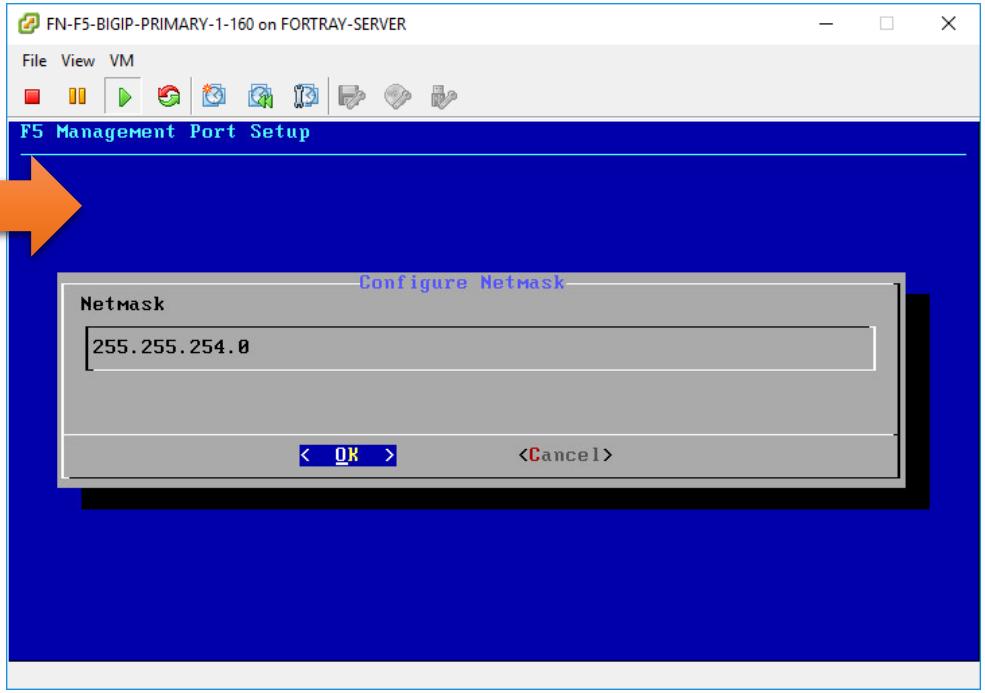


On the next screen, we will see an automatically assigned IP address to F5 BIG IP System by the local DHCP server. As we don't want this IP address assigned to our F5 BIG-IP System so Press <enter> on No to continue.

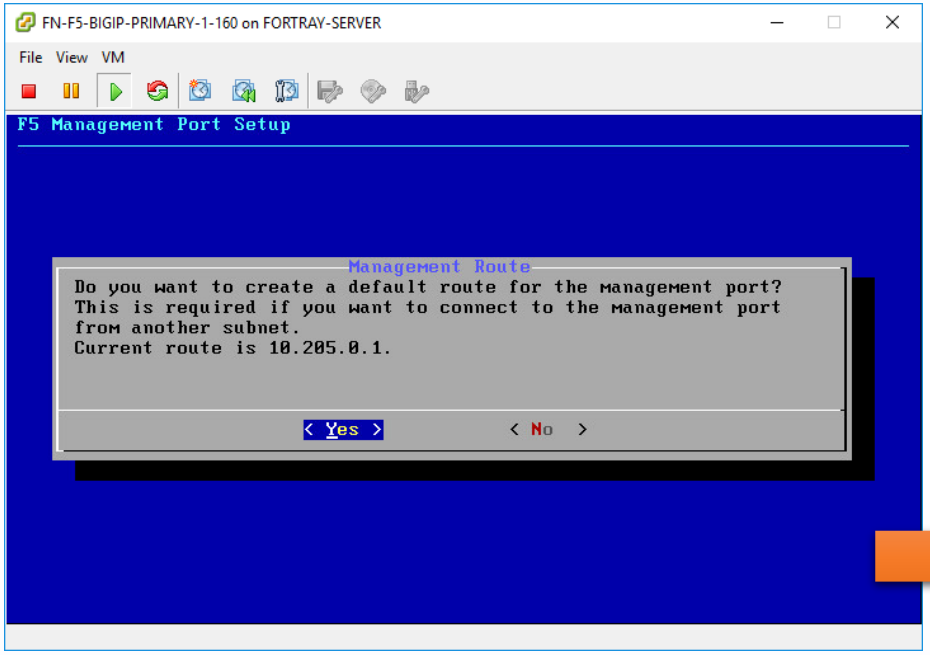


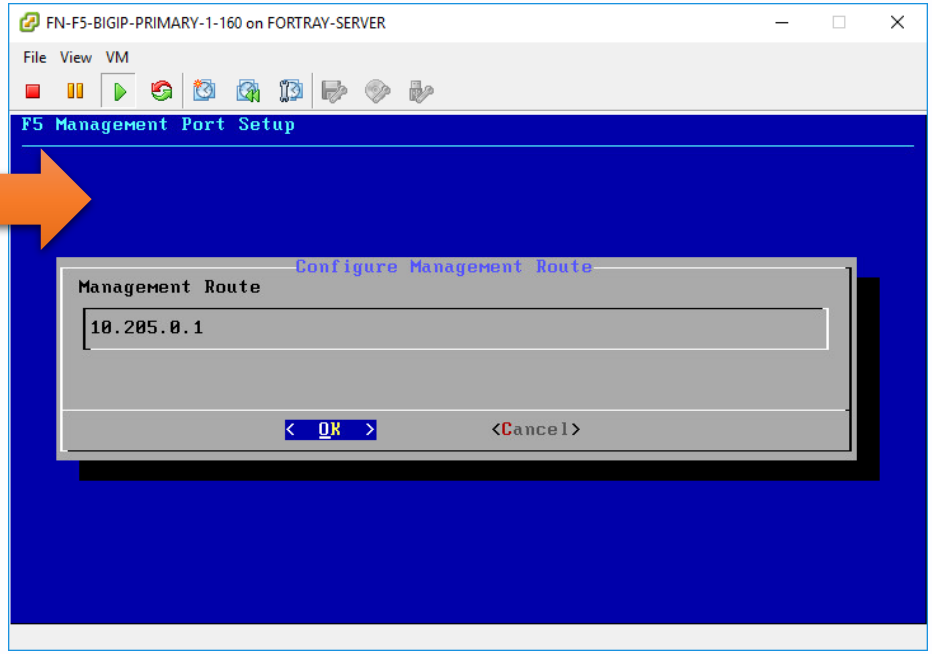
On this screen, F5 Management Port Setup program will ask us the IP address of the device, enter IP address as per spreadsheet and press <enter> to continue

Now, F5 Management Port Setup program will ask us a subnet mask, enter the subnet mask, and press <enter> to continue.



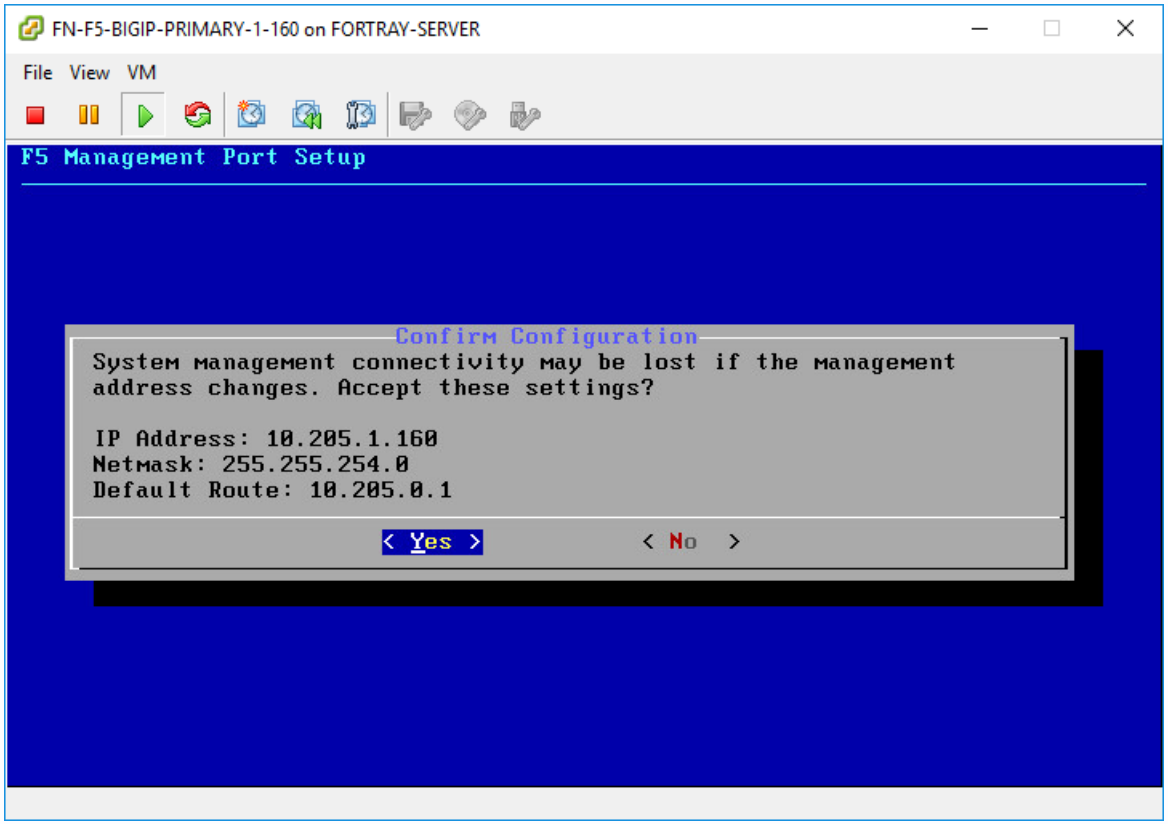
On the next screen F5 Management Port Setup program will ask us for the default route for MGMT.





On this last screen, F5 Management Port Setup Program Confirm Configuration, press <enter> on Yes and Continue.

All done management Interface IP address configured successfully.



7. Verification

To verify MGMT IP Address we need to do the following steps:

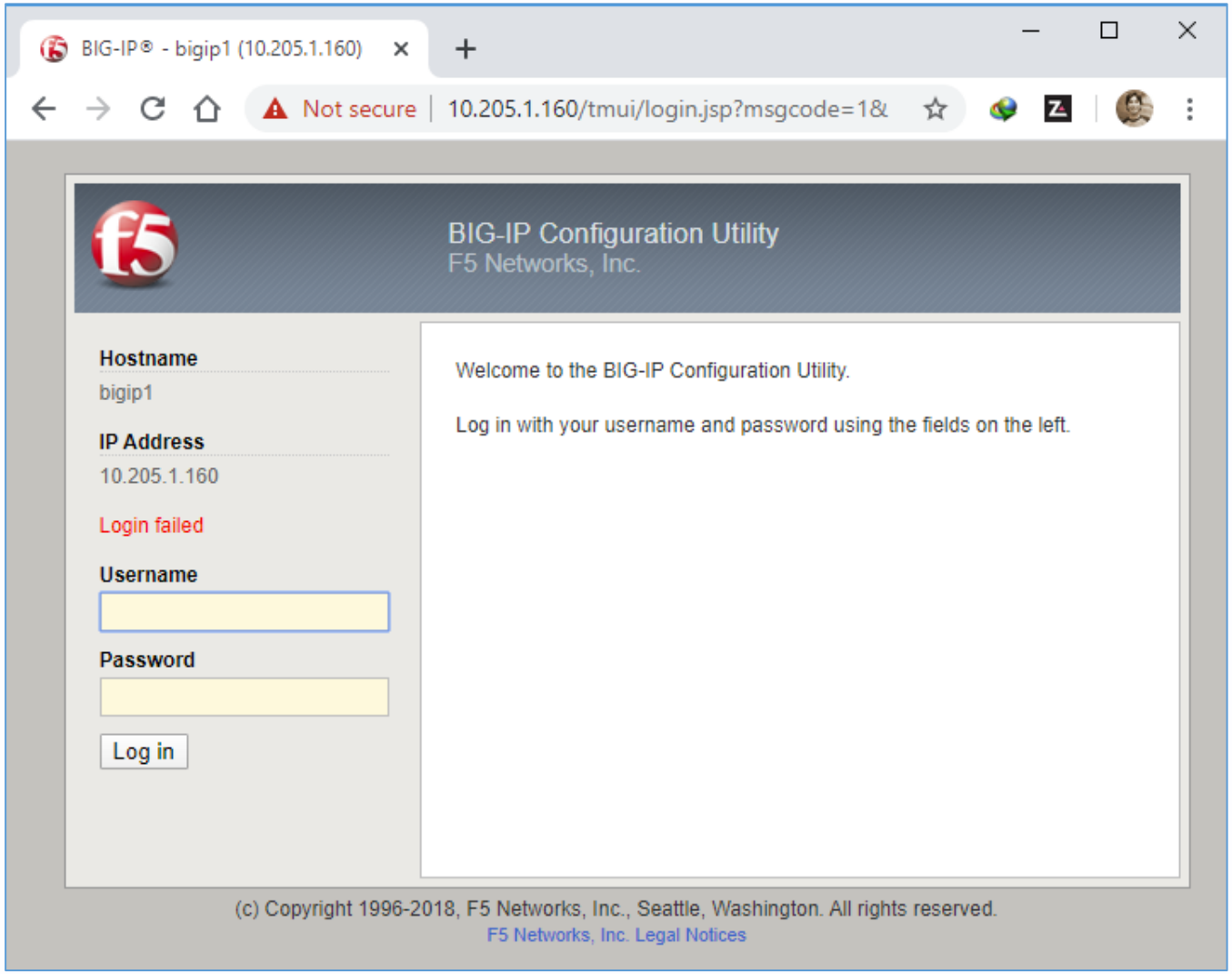
7.1 Step 1: Verifying VIA PING Command

Open Console from your PC and try to ping F5 BIG-IP System.

```
Microsoft Windows [Version 10.0.17133.73]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Farooq Zafar>ping 10.205.1.160

Pinging 10.205.1.160 with 32 bytes of data:
Reply from 10.205.1.160: bytes=32 time<1ms TTL=64
Reply from 10.205.1.160: bytes=32 time<1ms TTL=64
Reply from 10.205.1.160: bytes=32 time<1ms TTL=64
Reply from 10.205.1.160: bytes=32 time<1ms TTL=64

Ping statistics for 10.205.1.160:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Farooq Zafar>
```

7.2 Step 2: Verifying VIA Browser

Open a web browser and type F5 newly created IP https://10.205.1.160, this will show the login page of GUI.



Thanks, and Good Luck