



# CTS-301 BIG-IP LTM



# Custom Monitor http

Step by Step Configuration Guide

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## 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     | 12/05/2020 | Diagram and document redesign and Formatting | Farooq Zafar  | Final Release   |
| 1.3     | 03/06/2020 | System Log Verification added                | Farooq Zafar  | Bug Fixed       |

## 2. Reference Document

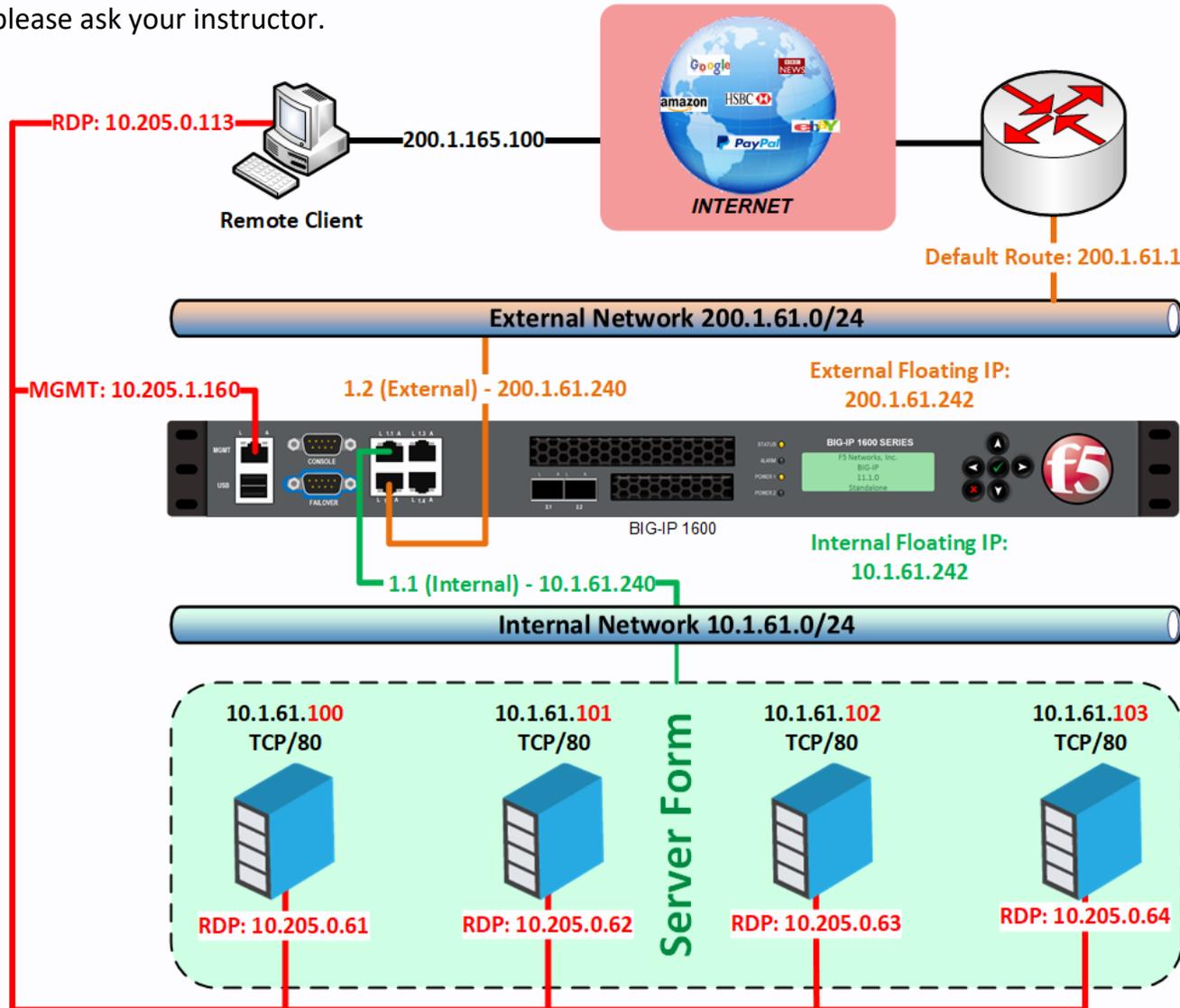
[Click for the Reference document](#)

## 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 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 have 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 10MB Internet connection.
- ✓ We assume that we already have INTERNAL, DMZ, OUTISE interfaces 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



## 5. F5 BIG-IP Task: Creating Custom http Monitor



Our management decided user requests shouldn't be sent to the server which is being updated or under website maintenance.

For this scenario, we need to create a custom monitor for servers.

Here are the details to access Fortray Nodes through ftp:

| Fortray Nodes FTP access |             |             |          |          |
|--------------------------|-------------|-------------|----------|----------|
| No                       | Server Name | IP Address  | Username | Password |
| 1                        | Server-100  | 10.1.61.100 |          |          |
| 2                        | Server-101  | 10.1.61.101 |          |          |
| 3                        | Server-102  | 10.1.61.102 |          |          |
| 4                        | Server-103  | 10.1.61.103 |          |          |

### Summary of the steps:

- Login to F5 BIG-IP GUI
- Creating Health Monitor Profile
- Associating Monitor to http Pool
- Observing Node Status



### Please do not Delete

any file or folder while accessing Nodes through FTP.

## 6. Fortray F5 BIG-IP Configuration: Creating Custom http Monitor

In this Section, we will create custom http monitor.

### 6.1 Step 1: Login in to F5 BIG-IP GUI

Open web browser and type <https://10.205.1.160>, enter credentials your username/password and click login to continue.



**Note:** We are assuming that you have already created F5 BIP-IP user for your own work. If you haven't created, create now by following instructions in workbook # 6.

## 6.2 Step 2: Creating Custom http Monitor

Click on **Local Traffic > Monitors**. Click Create to create new monitor.

The screenshot displays the F5 BIG-IP LTM web interface. At the top left, the status is 'ONLINE (ACTIVE) Standalone'. The navigation menu on the left includes 'Local Traffic' (highlighted with a red box and a '1' in a purple circle), 'Network Map', 'Virtual Servers', 'Policies', 'Profiles', 'Ciphers', 'iRules', 'Pools', 'Nodes', 'Monitors' (highlighted with a red box and a '2' in a purple circle), 'Traffic Class', and 'Address Translation'. The main content area is titled 'Local Traffic >> Monitors' and contains a 'Monitor List' table. The table has columns for Name, Application, Type, and Partition / Path. The 'Create...' button in the top right corner of the table area is highlighted with a red box and a '3' in a purple circle. Below the table is a 'Delete...' button and a 'Page 1 of 2' indicator.

| <input checked="" type="checkbox"/> | Name          | Application | Type         | Partition / Path |
|-------------------------------------|---------------|-------------|--------------|------------------|
| <input type="checkbox"/>            | ftp-monitor   |             | FTP          | Common           |
| <input type="checkbox"/>            | gateway_icmp  |             | Gateway ICMP | Common           |
| <input type="checkbox"/>            | http          |             | HTTP         | Common           |
| <input type="checkbox"/>            | http_head_f5  |             | HTTP         | Common           |
| <input type="checkbox"/>            | https         |             | HTTPS        | Common           |
| <input type="checkbox"/>            | https_443     |             | HTTPS        | Common           |
| <input type="checkbox"/>            | https_head_f5 |             | HTTPS        | Common           |
| <input type="checkbox"/>            | icmp          |             | ICMP         | Common           |
| <input type="checkbox"/>            | inband        |             | Inband       | Common           |
| <input type="checkbox"/>            | real_server   |             | Real Server  | Common           |

1. Enter Name of Monitor
2. Select Type HTTP
3. Select Parent Monitor http
4. Enter string included in Node website
5. Click Finished to create Monitor

ONLINE (ACTIVE)  
Standalone

Main Help About

Local Traffic >> Monitors >> New Monitor...

Statistics  
iApps  
DNS  
SSL Orchestrator  
Local Traffic  
Network Map

Pools  
Nodes  
Monitors  
Traffic Class  
Address Translation

Acceleration  
Device Management  
Network  
System

**General Properties**

Name: MAZ-HTTP-Monitor 1  
Description: MAZ Custom HTTP Monitor Profile  
Type: HTTP 2  
Parent Monitor: http 3

**Configuration:** Basic

Interval: 5 seconds  
Timeout: 16 seconds  
Send String: GET /\r\n  
Receive String: FortrayLAB.com 4  
Receive Disable String:  
User Name:  
Password:  
Reverse:  Yes  No  
Transparent:  Yes  No  
Alias Address: \* All Addresses  
Alias Service Port: \* All Ports  
Adaptive:  Enabled 5

Cancel Repeat Finished

**Note:** Each node's website contains common text string in head and body part of website which is:  
[FortrayLAB.com](http://FortrayLAB.com)

## 6.3 Step 3: Associating Custom Monitor to http Pool

Click on **Local Traffic > Pools**. Click on http pool.

The screenshot shows the F5 BIG-IP LTM GUI. The top left corner displays the F5 logo and the status 'ONLINE (ACTIVE) Standalone'. The main navigation menu includes 'Main', 'Help', and 'About'. The left sidebar contains various configuration options: 'Statistics', 'iApps', 'DNS', 'SSL Orchestrator', 'Local Traffic', 'Network Map', 'Virtual Servers', 'Policies', 'Profiles', 'Ciphers', 'iRules', 'Pools', 'Nodes', and 'Monitors'. The 'Local Traffic' menu is highlighted with a red box and a purple circle containing the number '1'. The 'Pools' sub-menu is also highlighted with a red box and a purple circle containing the number '2'. The main content area shows the 'Local Traffic >> Pools : Pool List' configuration page. The 'Pool List' tab is selected. A search bar is present at the top right of the table. The table lists several pools:

| <input type="checkbox"/> | Status | Name           | Description             | Application | Members | Partition / Path |
|--------------------------|--------|----------------|-------------------------|-------------|---------|------------------|
| <input type="checkbox"/> | ●      | MAZ_FTP_POOL   | MAZ FTP Server Farm     |             | 4       | Common           |
| <input type="checkbox"/> | ●      | MAZ_HTTPS_POOL | MAZ SSL Web Server Farm |             | 4       | Common           |
| <input type="checkbox"/> | ●      | MAZ_HTTP_POOL  | MAZ Web Server Farm     |             | 4       | Common           |
| <input type="checkbox"/> | ●      | MAZ_SMTP_POOL  | MAZ Email Server Farm   |             | 4       | Common           |

The 'MAZ\_HTTPS\_POOL' entry is highlighted with a red box and a purple circle containing the number '3'. A 'Delete...' button is located below the table.

On next Page, remove previously associated monitor and assign newly created custom monitor.

The screenshot displays the F5 BIG-IP LTM configuration interface. The top left shows the F5 logo and status 'ONLINE (ACTIVE) Standalone'. The navigation menu includes 'Main', 'Help', and 'About'. The breadcrumb trail is 'Local Traffic >> Pools : Pool List >> MAZ\_HTTP\_POOL'. Below this are tabs for 'Properties', 'Members', and 'Statistics'. The 'Properties' tab is active, showing 'General Properties' for the pool: Name (MAZ\_HTTP\_POOL), Partition / Path (Common), Description (MAZ Web Server Farm), and Availability (Available (Enabled) - The pool is available). The 'Configuration' is set to 'Basic'. In the 'Health Monitors' section, there are two lists: 'Active' and 'Available'. The 'Active' list contains '/Common MAZ-HTTP-Monitor', which is highlighted with a red box and a purple circle labeled '1'. The 'Available' list contains '/Common ftp-monitor', '/Common gateway\_icmp', '/Common http\_head\_f5', and '/Common https'. Below the lists are 'Update' and 'Delete' buttons. The 'Update' button is highlighted with a red box and a purple circle labeled '2'.

## 6.4 Step 4: Observing Pool Nodes status

Click on **Local Traffic > Pools**. Click on http pool.

The screenshot displays the F5 BIG-IP LTM GUI. The top left shows the F5 logo and 'ONLINE (ACTIVE) Standalone' status. The main navigation bar includes 'Main', 'Help', and 'About'. The left sidebar contains various configuration options: Statistics, iApps, DNS, SSL Orchestrator, Local Traffic (highlighted with a red box and a purple circle with '1'), Network Map, Virtual Servers, Policies, Profiles, Ciphers, iRules, Pools (highlighted with a red box and a purple circle with '2'), Nodes, and Monitors. The main content area is titled 'Local Traffic >> Pools : Pool List'. It features a search bar, a 'Create...' button, and a table of pool configurations. The table has columns for 'Status', 'Name', 'Description', 'Application', 'Members', and 'Partition / Path'. The 'MAZ\_HTTPS\_POOL' entry is highlighted with a red box and a purple circle with '3'. Below the table is a 'Delete...' button.

| <input type="checkbox"/> | Status | Name           | Description             | Application | Members | Partition / Path |
|--------------------------|--------|----------------|-------------------------|-------------|---------|------------------|
| <input type="checkbox"/> | ●      | MAZ_FTP_POOL   | MAZ FTP Server Farm     |             | 4       | Common           |
| <input type="checkbox"/> | ●      | MAZ_HTTPS_POOL | MAZ SSL Web Server Farm |             | 4       | Common           |
| <input type="checkbox"/> | ●      | MAZ_HTTP_POOL  | MAZ Web Server Farm     |             | 4       | Common           |
| <input type="checkbox"/> | ●      | MAZ_SMTP_POOL  | MAZ Email Server Farm   |             | 4       | Common           |

On next page click on Members, here we can notice the status of each node is fine.

ONLINE (ACTIVE)  
Standalone

Main Help About

Local Traffic » Pools : Pool List » MAZ\_HTTP\_POOL

Properties Members Statistics

1

Load Balancing

Load Balancing Method: Dynamic Ratio (node)

Priority Group Activation: Disabled

Update

Current Members Add...

| <input type="checkbox"/> | Status | Member        | Address     | Service Port | FQDN | Ephemeral | Ratio | Priority Group | Connection Limit | Partition / Path |
|--------------------------|--------|---------------|-------------|--------------|------|-----------|-------|----------------|------------------|------------------|
| <input type="checkbox"/> | ●      | Server-100:80 | 10.1.61.100 | 80           |      | No        | 2     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/> | ●      | Server-101:80 | 10.1.61.101 | 80           |      | No        | 4     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/> | ●      | Server-102:80 | 10.1.61.102 | 80           |      | No        | 1     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/> | ●      | Server-103:80 | 10.1.61.103 | 80           |      | No        | 1     | 0 (Active)     | 0                | Common           |

Enable Disable Force Offline Remove

## 7. Verification

To verify above created custom http monitor, we need to do following steps:

### 7.1 Step 1: Verification through Monitor List

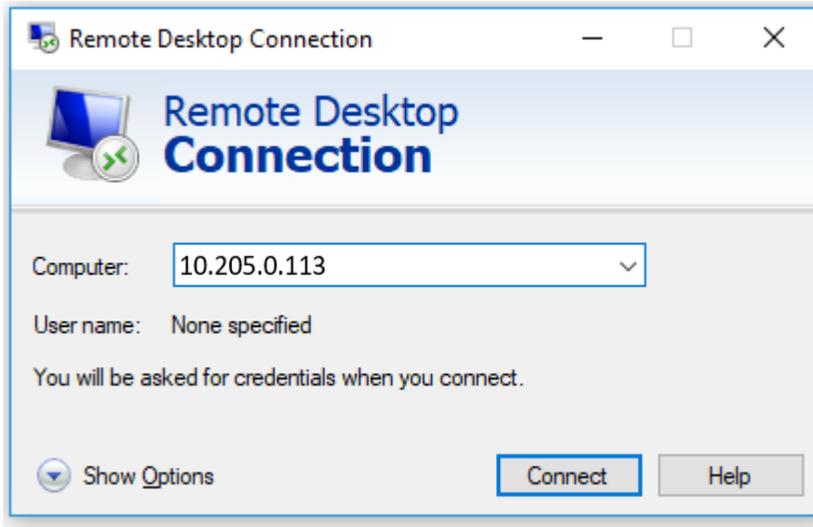
Click on **Local Traffic > Monitors**, here we can see newly created custom monitor

The screenshot shows the F5 BIG-IP LTM GUI. The top left corner displays the F5 logo and status: ONLINE (ACTIVE) Standalone. The navigation menu includes Main, Help, and About. The left sidebar contains various configuration sections: Statistics, iApps, DNS, SSL Orchestrator, and Local Traffic. Under Local Traffic, there are sub-sections for Network Map, Virtual Servers, Policies, Profiles, Ciphers, iRules, Pools, Nodes, and Monitors. The main content area is titled 'Local Traffic >> Pools : Pool List >> MAZ\_HTTP\_POOL'. It has three tabs: Properties, Members (highlighted with a red box and a circled '1'), and Statistics. Below the tabs, the 'Load Balancing' section shows 'Load Balancing Method' set to 'Round Robin' and 'Priority Group Activation' set to 'Disabled'. An 'Update' button is present. The 'Current Members' section features a table with columns: Status, Member, Address, Service Port, FQDN, Ephemeral, Ratio, Priority Group, Connection Limit, and Partition / Path. The table contains four rows of server information. A green box highlights the 'Status' column, which shows green indicator lights for all four servers. Below the table are buttons for 'Enable', 'Disable', 'Force Offline', and 'Remove'. An 'Add...' button is located at the top right of the table area.

| ✓                        | ▼ Status | Member        | Address     | Service Port | FQDN | Ephemeral | Ratio | Priority Group | Connection Limit | Partition / Path |
|--------------------------|----------|---------------|-------------|--------------|------|-----------|-------|----------------|------------------|------------------|
| <input type="checkbox"/> | ●        | Server-100:80 | 10.1.61.100 | 80           |      | No        | 2     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/> | ●        | Server-101:80 | 10.1.61.101 | 80           |      | No        | 4     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/> | ●        | Server-102:80 | 10.1.61.102 | 80           |      | No        | 1     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/> | ●        | Server-103:80 | 10.1.61.103 | 80           |      | No        | 1     | 0 (Active)     | 0                | Common           |

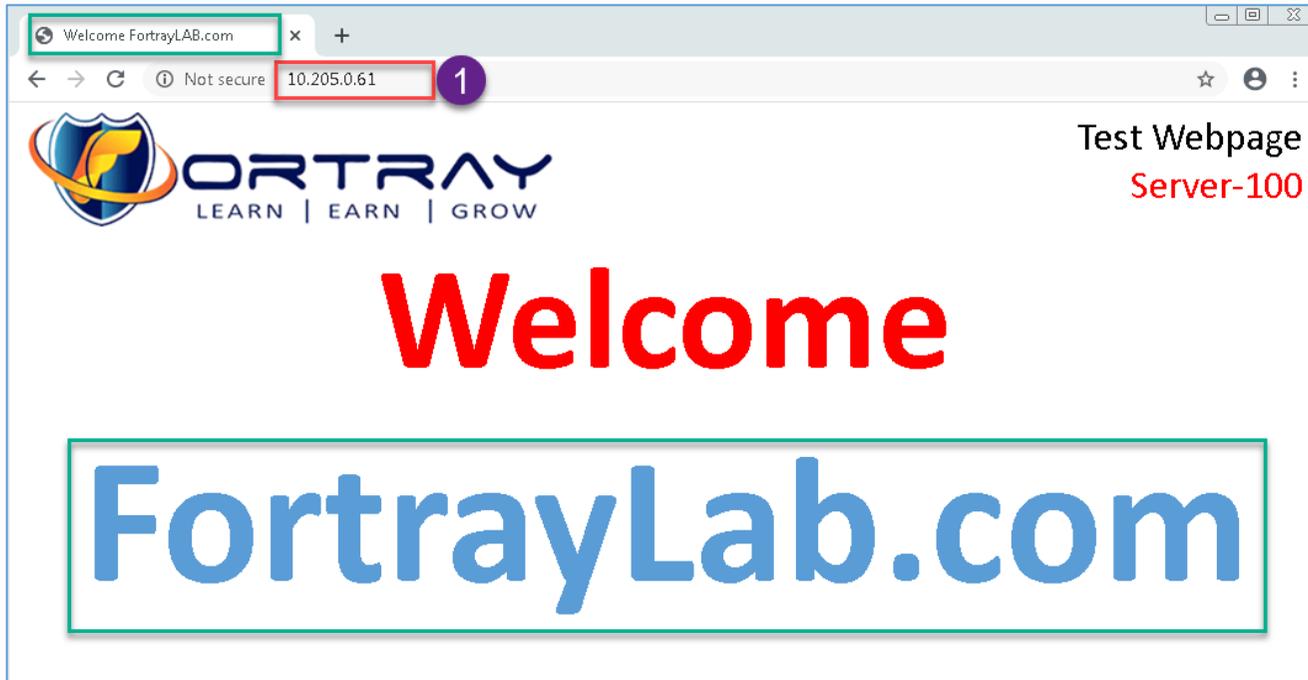
## 7.2 Step 2: Login to Remote Test PC

Login to your assigned Remote Test PC using **Remote Desktop Connection** Application, Use Administrator/Cisco as username/password to connect.



## 7.3 Step 3: Checking Current Website on Server-100

Open web browser and type server address <http://10.205.0.61>, we can see default website is running on server. Here we can notice FortrayLAB.com is visible in head and body parts.

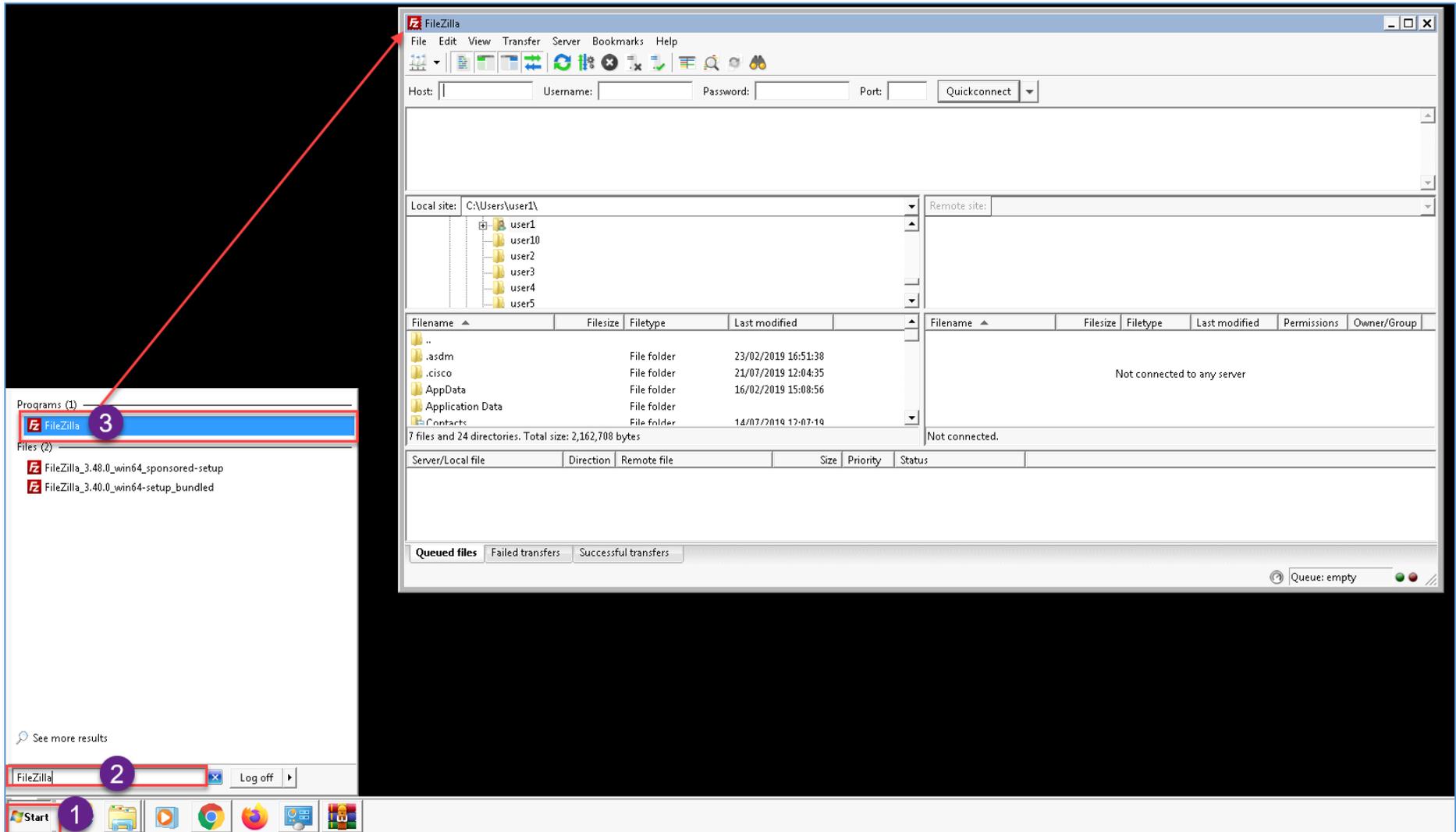


In this example we are considering first node Server-100. You can use any node you want

if you see this webpage your test is successful

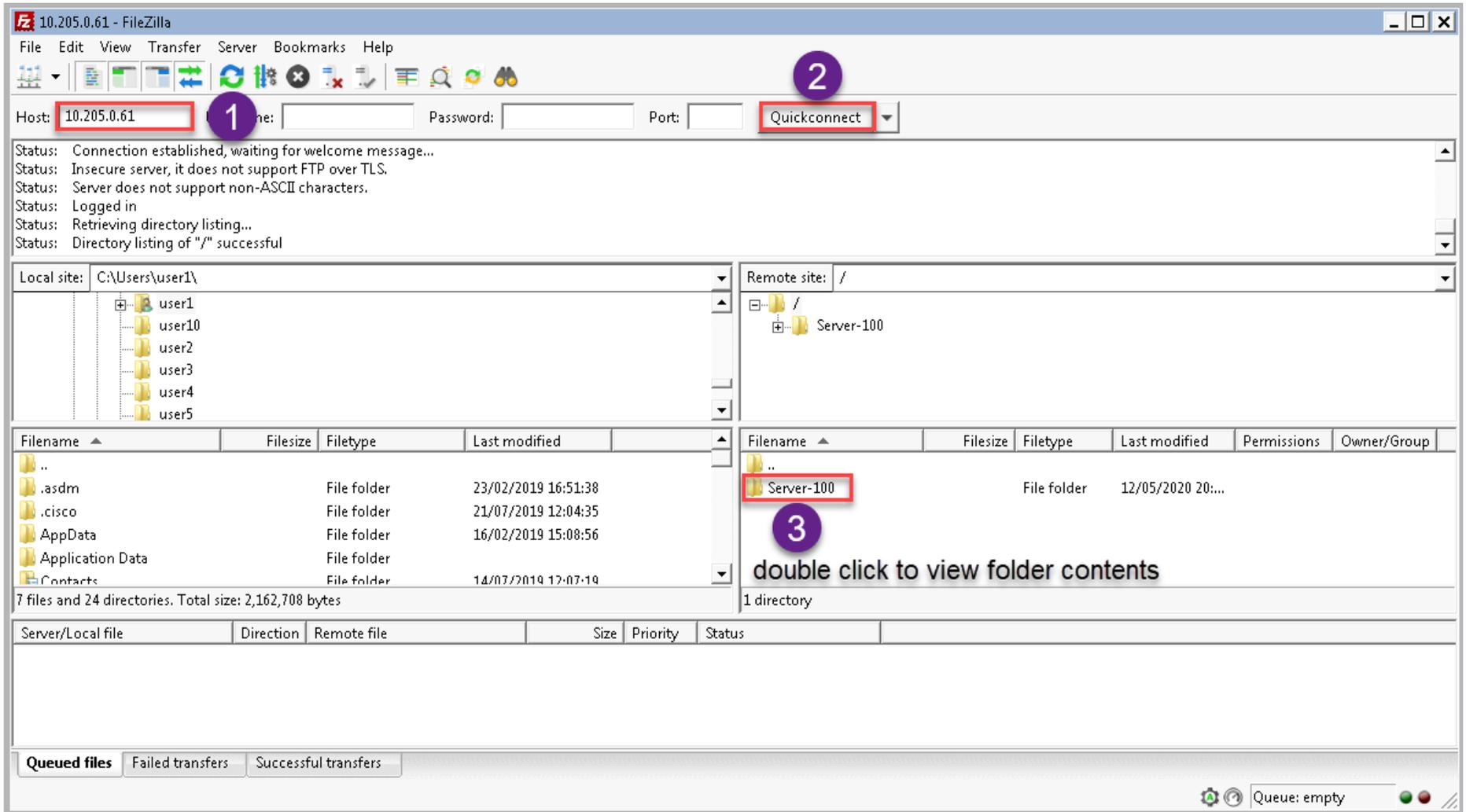
## 7.4 Step 4: Changing Default Webpage

Run FTP client program FileZilla (already installed on machine). If you don't see, you can install FileZilla.



In FileZilla type node address (10.205.0.61) and click Quick connect to connect to Server-100.

After connecting double click to view folder contents.



In folder Server-100, we have a file named **index.000**, rename this file to **index.html**

The screenshot shows the FileZilla interface with the local site set to C:\Users\user1\ and the remote site set to /Server-100. The remote directory listing shows a folder named 'index\_files' and two files: 'index.000' and 'index.htm'. The 'index.000' file is highlighted with a red box and a purple circle containing the number '1'. A red arrow points from this file to a zoomed-in view of the file list below, which shows the file has been renamed to 'index.html'.

| Filename    | Filesize | Filetype    | Last modified     | Permissions | Owner/Group |
|-------------|----------|-------------|-------------------|-------------|-------------|
| ..          |          |             |                   |             |             |
| index_files |          | File folder | 12/05/2020 18:... |             |             |
| index.000   | 48,234   | 000 File    | 12/05/2020 20:... |             |             |
| index.htm   | 48,240   | Chrome H... | 12/05/2020 16:... |             |             |

| Filename    | Filesize | Filetype    | Last modified     | Permissions | Owner/Group |
|-------------|----------|-------------|-------------------|-------------|-------------|
| ..          |          |             |                   |             |             |
| index_files |          | File folder | 12/05/2020 18:... |             |             |
| index.htm   | 48,240   | Chrome H... | 12/05/2020 16:... |             |             |
| index.html  | 48,234   | Chrome H... | 12/05/2020 20:... |             |             |

## 7.5 Step 5: Node down Pool Members Status

Click on **Local Traffic > Pool > [http pool] > Members**, we can notice Server-100 is down.

The screenshot shows the F5 BIG-IP LTM GUI. The top left corner displays the F5 logo and the status 'ONLINE (ACTIVE) Standalone'. The navigation menu on the left includes 'Main', 'Help', 'About', 'Statistics', 'iApps', 'DNS', 'SSL Orchestrator', and 'Local Traffic'. Under 'Local Traffic', the 'Pools' menu item is selected, leading to the 'MAZ\_HTTP\_POOL' configuration page. The 'Members' tab is active, showing the 'Current Members' table. The table has columns for Status, Member, Address, Service Port, FQDN, Ephemeral, Ratio, Priority Group, Connection Limit, and Partition / Path. The first row, 'Server-100:80', has a red diamond status icon, while the other three rows ('Server-101:80', 'Server-102:80', 'Server-103:80') have green circle status icons. Below the table are buttons for 'Enable', 'Disable', 'Force Offline', and 'Remove'.

| ✓                        | ▼ Status | ↕ Member      | ▲ Address   | ↕ Service Port | ↕ FQDN | ↕ Ephemeral | ↕ Ratio | ↕ Priority Group | ↕ Connection Limit | ↕ Partition / Path |
|--------------------------|----------|---------------|-------------|----------------|--------|-------------|---------|------------------|--------------------|--------------------|
| <input type="checkbox"/> | ◆        | Server-100:80 | 10.1.61.100 | 80             |        | No          | 2       | 0 (Inactive)     | 0                  | Common             |
| <input type="checkbox"/> | ●        | Server-101:80 | 10.1.61.101 | 80             |        | No          | 4       | 0 (Active)       | 0                  | Common             |
| <input type="checkbox"/> | ●        | Server-102:80 | 10.1.61.102 | 80             |        | No          | 1       | 0 (Active)       | 0                  | Common             |
| <input type="checkbox"/> | ●        | Server-103:80 | 10.1.61.103 | 80             |        | No          | 1       | 0 (Active)       | 0                  | Common             |

If we type server-100 address in browser <http://10.205.0.61>, we can see website is up but our monitoring string is not available. Although website is running but string FortrayLAB.com is changed to Fortray.com.



## 7.6 Step 6: Changing Website to default

In FileZilla, rename **index.html** file back to **index.000**,

The screenshot shows the FileZilla interface with the following details:

- Host:** 10.205.0.61
- Local site:** C:\Users\user1\
- Remote site:** /Server-100
- Command Log:**
  - Response: 350 File exists, ready for destination name
  - Command: RNT0 index.bak
  - Response: 550 index.bak: Access is denied.
  - Status: Renaming '/Server-100/index.000' to '/Server-100/index.html'
  - Status: Renaming '/Server-100/index.html' to '/Server-100/index.000'
  - Status: Renaming '/Server-100/index.000' to '/Server-100/index.html'
- Local File List:**

| Filename         | Filesize | Filetype    | Last modified       |
|------------------|----------|-------------|---------------------|
| ..               |          |             |                     |
| .asdm            |          | File folder | 23/02/2019 16:51:38 |
| .cisco           |          | File folder | 21/07/2019 12:04:35 |
| AppData          |          | File folder | 16/02/2019 15:08:56 |
| Application Data |          | File folder |                     |
| Contacts         |          | File folder | 14/07/2019 17:07:19 |
- Remote File List (Main):**

| Filename    | Filesize | Filetype    | Last modified     | Permissions | Owner/Group |
|-------------|----------|-------------|-------------------|-------------|-------------|
| ..          |          |             |                   |             |             |
| index_files |          | File folder | 12/05/2020 18:... |             |             |
| index.htm   | 48,240   | Chrome H... | 12/05/2020 16:... |             |             |
| index.html  | 48,234   | Chrome H... | 12/05/2020 20:... |             |             |
- Remote File List (Inset):**

| Filename    | Filesize | Filetype    | Last modified     | Permissions | Owner/Group |
|-------------|----------|-------------|-------------------|-------------|-------------|
| ..          |          |             |                   |             |             |
| index_files |          | File folder | 12/05/2020 18:... |             |             |
| index.000   | 48,234   | 000 File    | 12/05/2020 20:... |             |             |
| index.htm   | 48,240   | Chrome H... | 12/05/2020 16:... |             |             |

Refreshing browser, we can see default website.



The screenshot shows a web browser window with the following elements:

- Address bar: "Welcome FortrayLAB.com" (highlighted in green), "10.205.0.61" (highlighted in red), and a "1" notification bubble.
- Page header: Fortray logo (LEARN | EARN | GROW) on the left, and "Test Webpage Server-100" on the right.
- Main content: "Welcome" in large red font, and "FortrayLab.com" in large blue font inside a green-bordered box.
- Footer: "if you see this webpage your test is successful"

## 7.7 Step 7: Verification Node Status

Refreshing page on F5 configuration, we can see node is back.

The screenshot shows the F5 BIG-IP LTM configuration interface. The top status bar indicates the device is 'ONLINE (ACTIVE) Standalone'. The navigation menu on the left includes 'Main', 'Help', 'About', 'Statistics', 'iApps', 'DNS', 'SSL Orchestrator', and 'Local Traffic'. The 'Local Traffic' section is expanded to show 'Pools : Pool List >> MAZ\_HTTP\_POOL'. The 'Members' tab is selected, displaying the 'Current Members' table. The table shows four active members, each with a green status indicator. Below the table are buttons for 'Enable', 'Disable', 'Force Offline', and 'Remove'.

**Current Members**

| <input checked="" type="checkbox"/> | Status | Member        | Address     | Service Port | FQDN | Ephemeral | Ratio | Priority Group | Connection Limit | Partition / Path |
|-------------------------------------|--------|---------------|-------------|--------------|------|-----------|-------|----------------|------------------|------------------|
| <input type="checkbox"/>            | ●      | Server-100:80 | 10.1.61.100 | 80           |      | No        | 2     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/>            | ●      | Server-101:80 | 10.1.61.101 | 80           |      | No        | 4     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/>            | ●      | Server-102:80 | 10.1.61.102 | 80           |      | No        | 1     | 0 (Active)     | 0                | Common           |
| <input type="checkbox"/>            | ●      | Server-103:80 | 10.1.61.103 | 80           |      | No        | 1     | 0 (Active)     | 0                | Common           |

Buttons: Enable, Disable, Force Offline, Remove

## 7.8 Step 8: Verification Through System Logs

Click on **System > Logs > Local Traffic**. On logs page go to last page to see latest updates.

The screenshot displays the Fortray Networks management console. The left sidebar contains navigation options: Main, Help, About, Statistics, iApps, DNS, SSL Orchestrator, Local Traffic, Acceleration, Device Management, Network, System, Configuration, Crypto Offloading, Users, Logs, Logins, and Support. The 'System' menu is expanded, showing 'Local Traffic' selected. The main content area shows the 'System >> Logs : Local Traffic' page with a search bar and a table of log entries. The table has columns for Timestamp, Log Level, Host, Service, Status Code, and Event. The last entry is highlighted with a green border. At the bottom right, there is a 'Page 3 of 3' dropdown and a 'Go to Last Page' button.

| Timestamp                   | Log Level | Host              | Service     | Status Code | Event  |
|-----------------------------|-----------|-------------------|-------------|-------------|--|
| Wed Jun 3 02:54:48 BST 2020 | notice    | FN-F5-PRIMARY-160 | mcpd[4652]  | 01070727    | Pool /Common/MAZ_SMTP_POOL member /Common/Server-100:25 monitor status up. [ /Common/smtp-monitor: up ] [ was node down for 61hrs:40mins:49sec ] |
| Wed Jun 3 02:54:48 BST 2020 | notice    | FN-F5-PRIMARY-160 | tmm1[16583] | 01010221    | Resuming log processing at this invocation; held 1 messages.   |
| Wed Jun 3 02:54:48 BST 2020 | notice    | FN-F5-PRIMARY-160 | tmm1[16583] | 01010221    | Pool /Common/MAZ_SERVER-100_POOL now has available members   |
| Wed Jun 3 02:54:48 BST 2020 | notice    | FN-F5-PRIMARY-160 | tmm[16583]  | 01010221    | Resuming log processing at this invocation; held 1 messages.   |
| Wed Jun 3 02:54:48 BST 2020 | notice    | FN-F5-PRIMARY-160 | tmm[16583]  | 01010221    | Pool /Common/MAZ_SERVER-100_POOL now has available members   |
| Wed Jun 3 02:57:27 BST 2020 | notice    | FN-F5-PRIMARY-160 | mcpd[4652]  | 01070727    | Pool /Common/MAZ_HTTP_POOL member /Common/Server-100:80 monitor status up. [ /Common/MAZ-HTTP-Monitor: up ] [ was down for 0hr:3mins:59sec ]     |

# Thanks, and Good Luck