

Quick README of BGPmon version 6.

(The administrator's reference manual and technical specification will be released soon.)

1. Compile

To compile the BGPmon v6 package, go to the BGPmon directory and type "make".

2. Launch BGPmon

To start BGPmon, simply launch the server using:

bgpmon

By default, BGPmon tries to load a configuration file called bgpmon_config.txt. If no pre-existing configuration file is found, the server starts by listening administrator login on port 50,000 of loopback address.

If this is the first time you are using BGPmon, there is no existing configuration file and server is waiting for an administrator to login on port 50,000. If the port 50,000 is in use by other programs, the option `-p` can help.

`-p port` : instructs BGPmon to allow administrator login on the specified port.

3. Configure BGPmon

This section assumes the BGPmon server is running. Once the BGPmon server is running, an administrator can login and configure BGPmon.

If no previous configuration file is found, BGPmon is waiting for administrator login using the loopback address and port 50,000.

From the same machine to configure BGPmon, simply enter:

telnet loopback 50,000

After connecting to BGPmon, you will be prompted for an access password. By default, the access password is "**BGPmon**". Initially, an administrator is connected in access mode. In order to change the configuration, the user must switch to enable mode. To enter enable mode, type:

enable

To enter enable mode, you will be prompted for the enable password. By default, the enable password is also "**BGPmon**".

Once in the enable mode, the "**configure**" command can be used. This command will enter the user into a mode that allows them to change settings. This mode is designated by the text '(config)' appearing before the '#' prompt.

At this point, you are ready to configure BGPmon.

Next we will introduce the basic commands user to configure peers and listen address/port for clients. For the complete set of commands, please see the administrator's reference manual.

3.1 Peer Configuration

3.1.1 Add Peers

- a. Type “router bgp xxxx” to enter the config-router mode

```
router(config)#router bgp 65001
router(config-router)#
```

- b. Type “neighbor a.b.c.d remote as xxxx” to add a peer

```
router(config-router)#neighbor 1.1.1.1 remote 1111
router(config-router)#neighbor 2.2.2.2 remote 2222
router(config-router)#neighbor 3.3.3.3 remote 3333
```

This the minimal command to add a peer, all the other commands such as adding announce capabilities will be introduced in the administrator’s reference manual.

- C. Type “exit” to connect the new added peers.

```
router(config-router)#exit
router(config)#
```

3.1.2 Delete Peers

- a. Type “router bgp xxxx” to enter the config-router mode

```
router(config)#router bgp 65001
router(config-router)#
```

- b. Type “no neighbor a.b.c.d remote as xxxx” to add a peer

```
router(config-router)#no neighbor 1.1.1.1
```

3.1.3 Show Peering Session Status

- a. Type “show bgp neighbor address a.b.c.d” in enable mode

```
router#show bgp neighbor address 1.1.1.1
```

3.2 Client Listener Address/Port Configuration

- a. Type “client-listener address a.b.c.d” in configure mode

```
router#client-listener address 1.1.1.1
```

3.3 Show Running Configuration

- a. Type “show running” in enable mode

```
router#show running
```

4. Launch Clients

To start clients, simply using:

telnet a.b.c.d port

By default, BGPmon is listening on 50,001 of loopback address. But it can be changed as we mentioned in section 3.2.

If the client gets connected to BGPmon successfully, it will receive a XML stream constantly.

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