

Monitoring

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Lab Summary 6

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Monitoring

The lab for this module contains a 1x Linux web server, 1x Linux client, and 1x Windows client. In the Windows machine, the extra storage should be 50GB. The evidence of the metric should be in the Linux webserver. Each machine should have the network and ping each other. The Linux and Windows clients need SSH access to the webserver. The Linux machine should communicate with other clients; the Apache communicates from other clients as well.

Configuring Apache

When accessing the Linux web server, the server should be updated and upgraded. The command line is `apt-get update && apt-get upgrade -y`, and the machine should start updating and upgrading. Once the update and upgrade are complete, the user installs Apache 2 by using `apt-get install apache2`. After completed, Apache 2 will be on the list. The `htop` and `elinks` should be installed as well. The `htop` is the interactive process viewer for Unix systems, and `elinks` is a text-mode web browser with the advanced and well-established feature in Unix. By using service `apache2 status/stop/start` command lines, the user can check the status of `apache2`.

Communicating with each other

From the Linux web server, ping to other clients would verify the connectivity to other clients. When ping from the Linux-based environment, the number of pings should be determined. If not, the machine will keep ping until the stopping command line is typed. Also, from other clients, the website for Apache was accessible by finding with the public IP address. When there are access logs, the user can find the logs by using `tail -f access.log`.



