1. Identify the IP address of endava.com

2. Check if www.google.com domain is alive

3. Discovery the network path until amazon.com

4. Check if there are no loss packets on path until [www.cisco.com](http://www.cisco.com)

5. How much time do we need to reach www.facebook.com ?

6. Identify applications that use internet connection at the moment

7. Identify DNS server configured on local PC

8. Identify MAC address of your

9. Create a filter to catch all packets during a connectivity test. Simulate a DNS request. Save all packets from eth0 in the file and open it for analysis. Identify your DNS request

10. Download a page using Linux CLI

11. Copy a web request done in browser and repeat it from the CLI.

12. Create a CSR request to retrieve a certificate from an external provider.

13. Define and use Hostnames between machines

14. Configure network interfaces using netsh

15. Configure RDP on Windows 10 and Server 2016

16. Setup a Hostname for you windows machine and ping it

17. Configure a dummy interface and setup IP Forward (linux)

18. Setup a SSH server , generate a key and connect from your workstation