PHASE3- DETECTION OF THE LOCATIONS OF THE ACCOUNTS WITH WEAK PASSWORD

**Method:** Let’s assume a comprehensive network with four scopes, and each scope has at least five VLAN. Each VLAN represents a department. Then to find out the location of the device of a person with weak password,

1. Check its IP address taking a look at the DHCP Pool if it has a dynamic mapping. Otherwise use the static IP address that assigned to it.
2. By reference prefix of the IP address (for example ‘10.0.20’ is a prefix of the ‘10.0.20.0/24’ network address that can be a VLAN address) identify the VLAN the device in.
3. Finally, based on the information of VLAN, find out what department is the device of person in.

**Sceneriao With Selenium:**

To do this, use Selenium module of python. In this context;

1. Open the Pfsense Web Authenticator Interface with Selenium.
2. Go to the Services – FreeRADIUS (our RADIUS Server’s configuration section), and find Mac Address of device searching its description (name-surname) obtained from phase 2 as parameter.
3. Go to the Status – Dhcp Leases, then search for IP address with MAC Address obtained from the previous step.
4. Fetch the IP address of device through Selenium.

**Sceneriao With PHP:**