**Security Assessment**

**Network Security:**

**Scope Determination**:

* All internal and external network devices, servers, and services.

**Tool Selection for Network Security Assessment:**

* Vulnerability Scanners --- Nessus, OpenVAS and Qualys
* Network Mapping Tool --- Nmap, Zenmap
* Network Pentest Tool --- Metasploit

**Web application automated Pentest:**

* Burp Suite Enterprise Edition [ web app pentest and auditing ]
* Nikto [ web application testing ]
* SQLMap [ mainly for sqlinjection on login, parameters ]

Risk Assessment Tools:

* OpenVAS
* Wazuh [ XDR , SEIM ]