Exercise Nessus Vulnerability Scanner

1. Task description

Nessus is a powerful network & vulnerability scanner developed by Tenable, Inc.. In this challenge, you will get access to an instance of Nessus running in the Hacking Lab environment.
After learning howto import a previous scan in nessus, you did learn howto perform your own scan against a target. Please answer the following questions:

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1. Describe how you would configure a username and password when testing an
ftp service?
2. Describe how you would configure a domain when testing an Active
Directory
3. Describe how you would configure the portscan prior the vulnerability
scan
4. Is is possible to run a brute-force attack against an ssh service?
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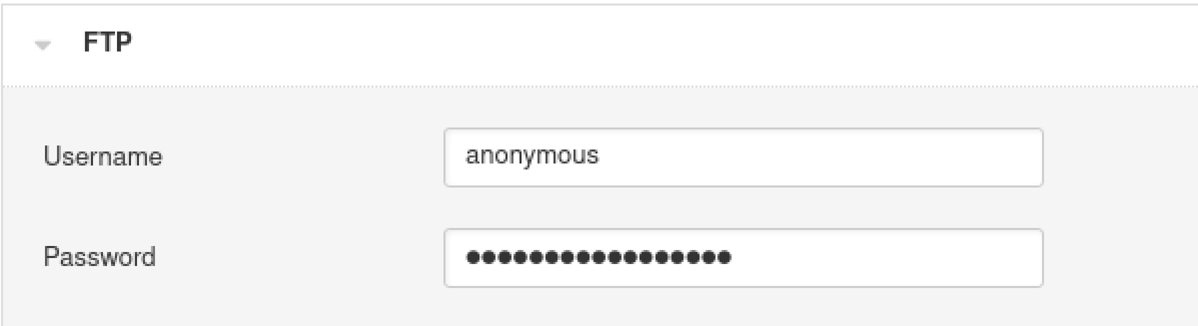
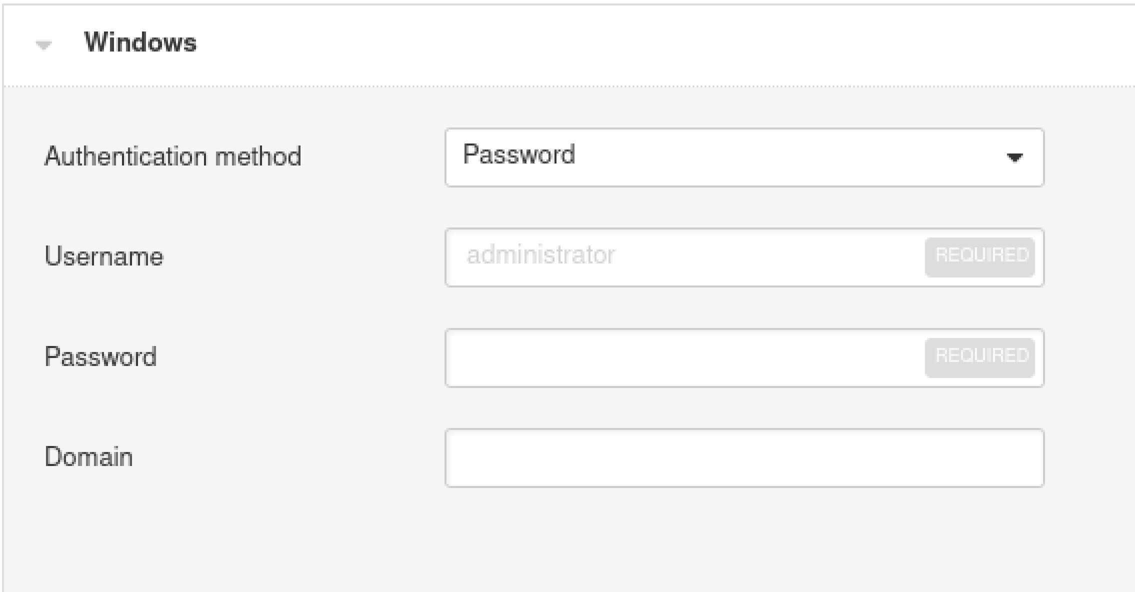
2. Answers

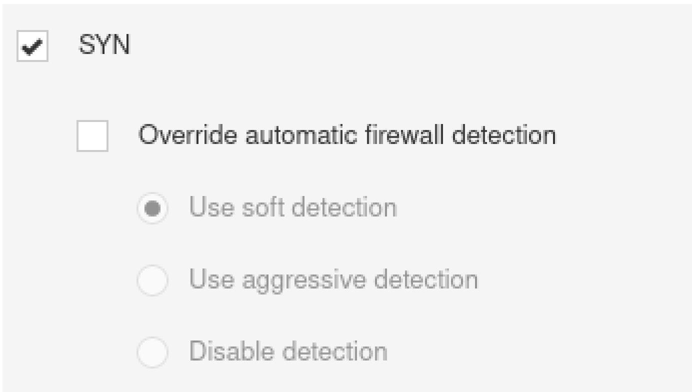
1. I would test if anonymous login is allowed. When you perform a new scan with nessus, you'll find a template for that under credentials.



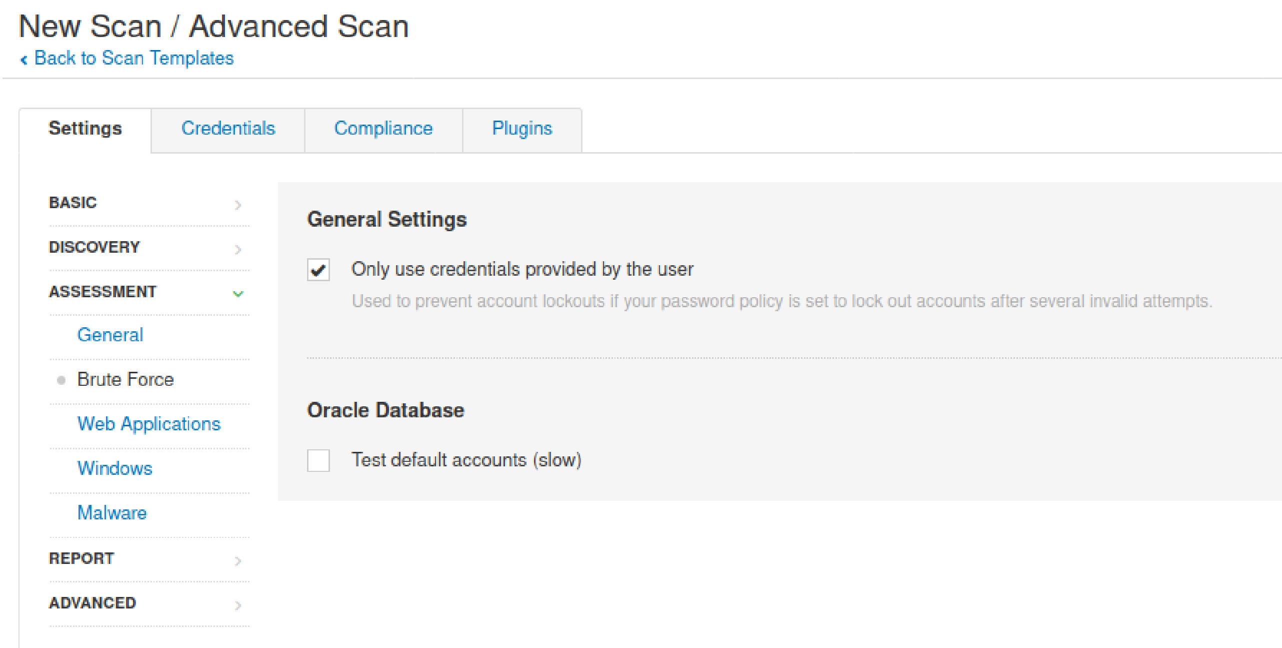
2. Under credentials there is also a template for windows. Here you can enter your active directory credentials.



3. I'd use the default SYN Scan with soft detection enabled.



4. I didn't find any option for that. By default setting it's not possible, but it works if hydra is installed on the same system.



Brute Force Options

> The Brute Force tab specifies how the scanner tests for information against SCADA systems.

> Additionally, if Hydra is installed on the same host as a Nessus server linked to SecurityCenter, the Hydra section will be enabled. Hydra extends brute force login testing for the following services: Asterisk, AFP, Cisco AAA, Cisco auth, Cisco enable, CVS, Firebird, FTP, HTTP-FORM-GET, HTTP-FORM-POST, HTTP-GET, HTTP-HEAD, HTTP-PROXY, HTTPS-FORM-GET, HTTPS-FORM-POST, HTTPS-GET, HTTPS-HEAD, HTTP-Proxy, ICQ, IMAP, IRC, LDAP, MS-SQL, MYSQL, NCP, NNTP, Oracle Listener, Oracle SID, Oracle, PC-Anywhere, PCNFS, POP3, POSTGRES, RDP, Rexec, Rlogin, Rsh, S7-300, SAP/R3, SIP, SMB, SMTP, SMTP Enum, SNMP, SOCKS5, SSH (v1 and v2), Subversion, Teamspeak (TS2), Telnet, VMware-Auth, VNC and XMPP.