Assessing the Security of VNC Servers: Automated Brute-Force Attacks Using the Metasploit

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The scanner/vnc_login module in Metasploit is used to brute-force VNC (Virtual Network Computing) server logins. It attempts to identify valid login credentials by trying a list of passwords against a VNC server.

How It Works:

- **Brute-Force Attack:** The module attempts to log in to a VNC server using a list of passwords or a single password specified by the user.
- **Protocol:** It targets the VNC protocol, which is used for remote desktop access.
- **Discovery:** If successful, the module reports the correct credentials, allowing the attacker to gain access to the remote desktop of the target system.

Configuration:

- **RHOSTS:** Set the target IP address or range of IP addresses.
- **RPORT:** Set the target port (default is usually 5900 for VNC).
- PASSWORD: Optionally set a specific password to try.
- PASS_FILE: Specify a file containing a list of passwords to try.

Example Usage:

- 1. **Set Module:** use auxiliary/scanner/vnc/vnc_login
- 2. Set RHOSTS: set RHOSTS <target IP>
- 3. **Set RPORT:** set RPORT 5900 (or another port if VNC is running on a different port)
- Set Password List: set PASS_FILE <path to password list> (in this project no password file was selected)
- 5. Run the Module: run







