



How-to Guide: Tenable Nessus for Lieberman

Last Revised: November 16, 2018

Table of Contents

Welcome to Nessus for Lieberman	3
Integrations	4
Windows Integration	5
SSH Integration	11
Database Integration	17
Additional Information	19
Lieberman System	20
About Tenable	21

Welcome to Nessus for Lieberman

This document provides information and steps for integrating Tenable Nessus with Lieberman.

Security administrators know that conducting network vulnerability assessments means getting access to and navigating an ever-changing sea of usernames, passwords, and privileges. By integrating Nessus with Lieberman, customers have more choice and flexibility.

The benefits of integrating Nessus with Lieberman include:

- Credentials update directly in Nessus, requiring less management.
- Reduced time and effort documenting where credentials are stored in the organizational environment.
- Automatic enforcement of security policies in specific departments or business unit requirements, simplifying compliance.
- Reduced risk of unsecured privileged accounts and credentials across the enterprise.

Integrations

The Lieberman system can be configured using either Windows or SSH. Click the corresponding link to view the configuration steps.

[Windows Integration](#)

[SSH Integration](#)

[Database Integration](#)

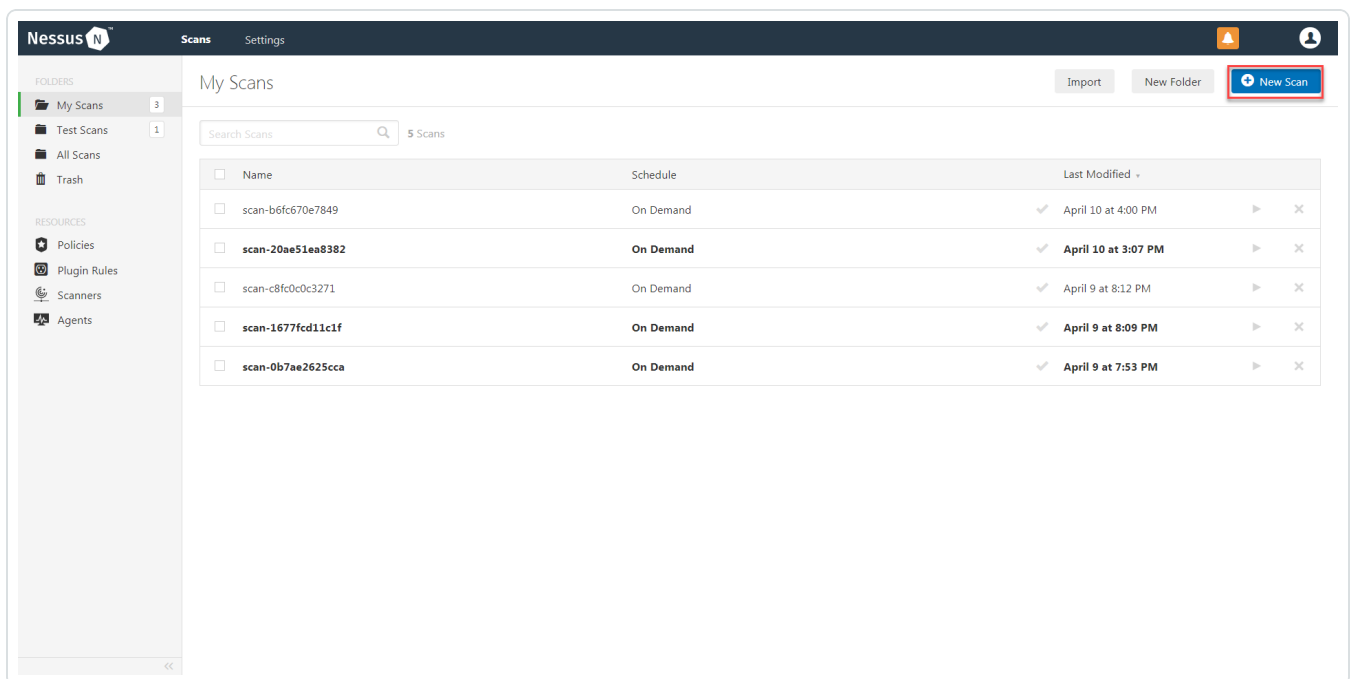
Windows Integration

Before you begin:

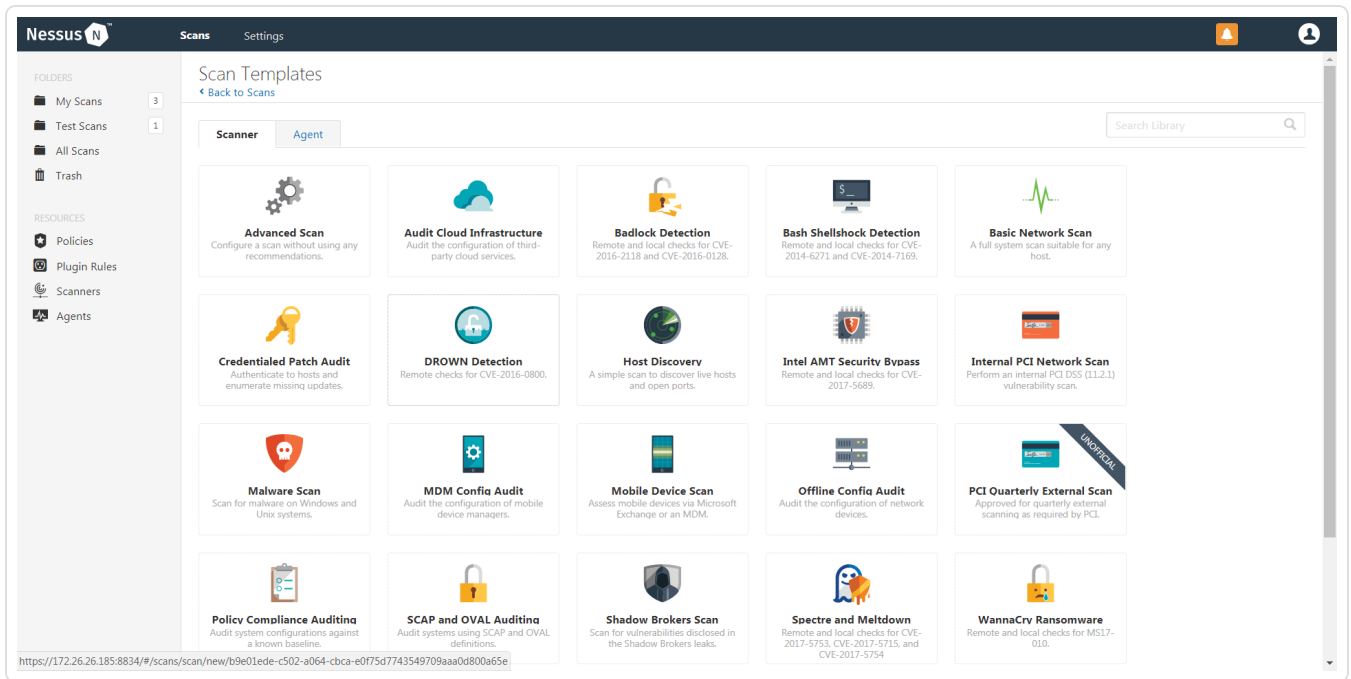
Caution: You must create an **Explicit Account** under *Delegation > Delegation Identities* in Lieberman. For additional information on how to create an Explicit Account, see the Explicit Accounts section in the [Lieberman RED Identity Management Administrator's Guide](#).

To integrate with Windows:

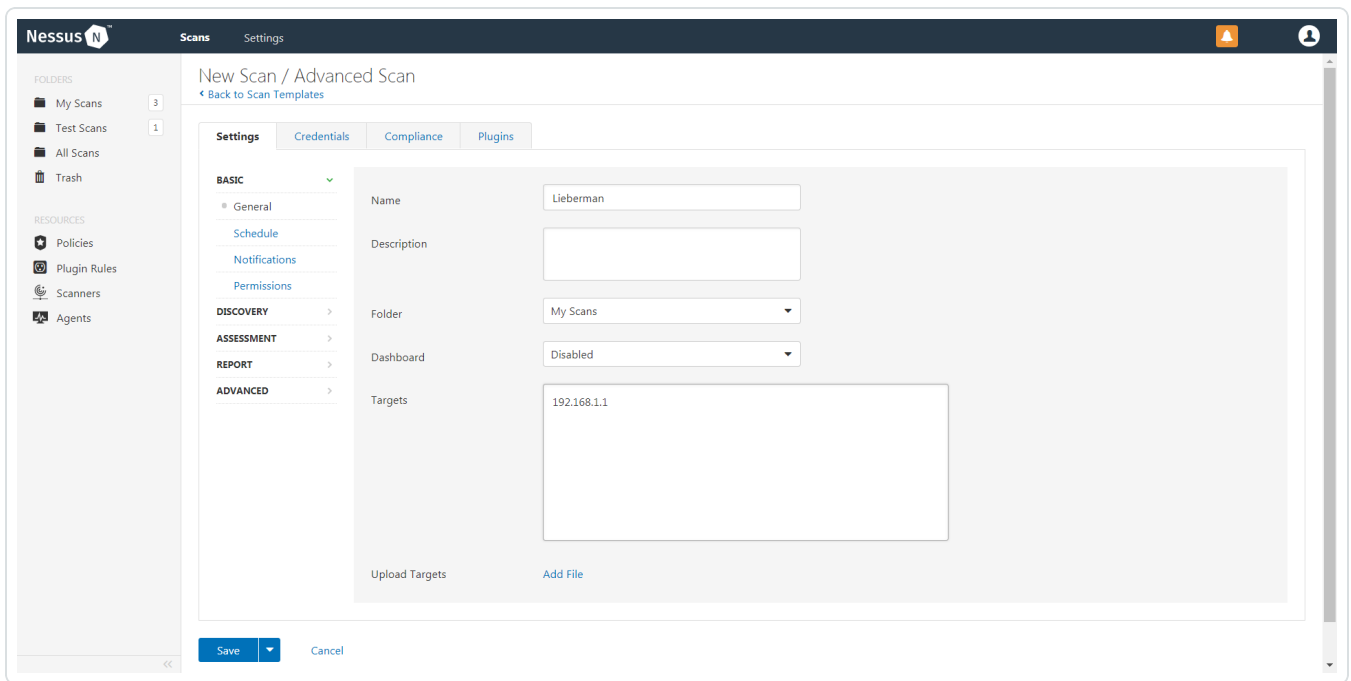
1. In a browser, log in to Nessus.
2. Navigate to the **Scans** section.
3. Click the **+ New Scan** button to configure Nessus for credentialed scans of Windows systems using Lieberman's password management solution.



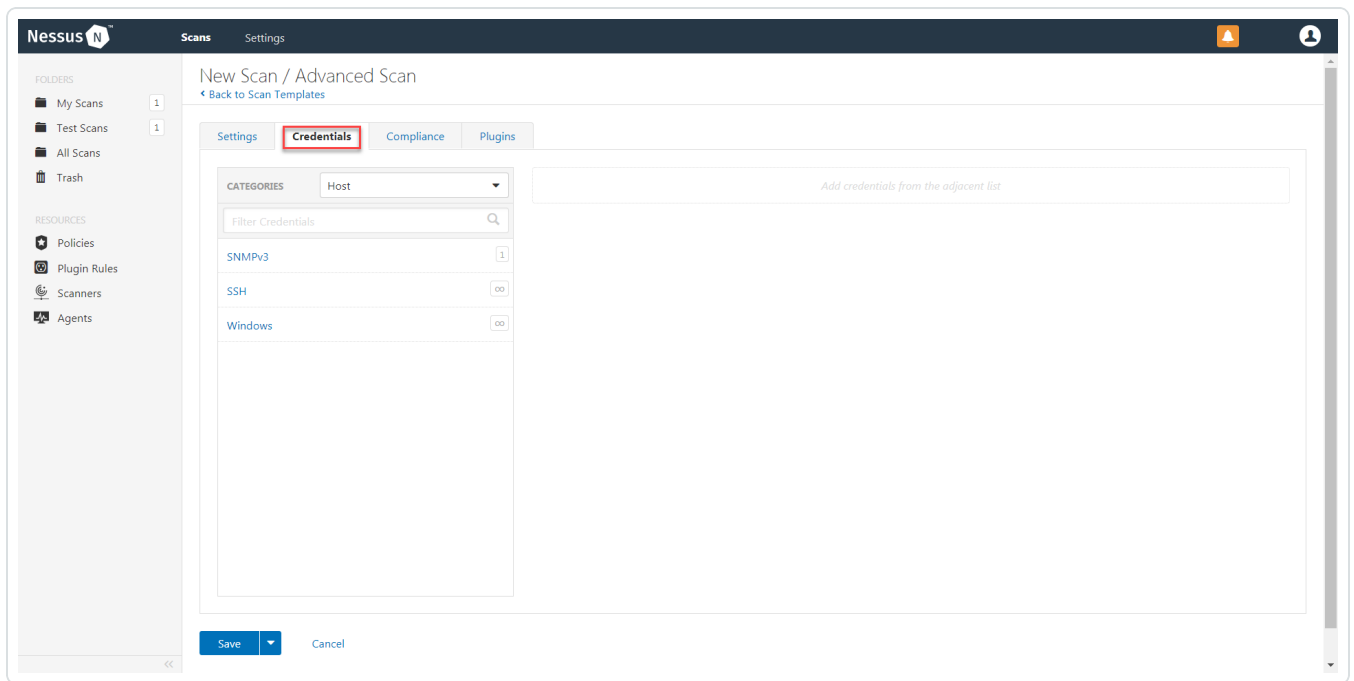
4. Select a **Scan Template** for the scan type required for your scan. For demonstration purposes, the **Advanced Network Scan** template is used.



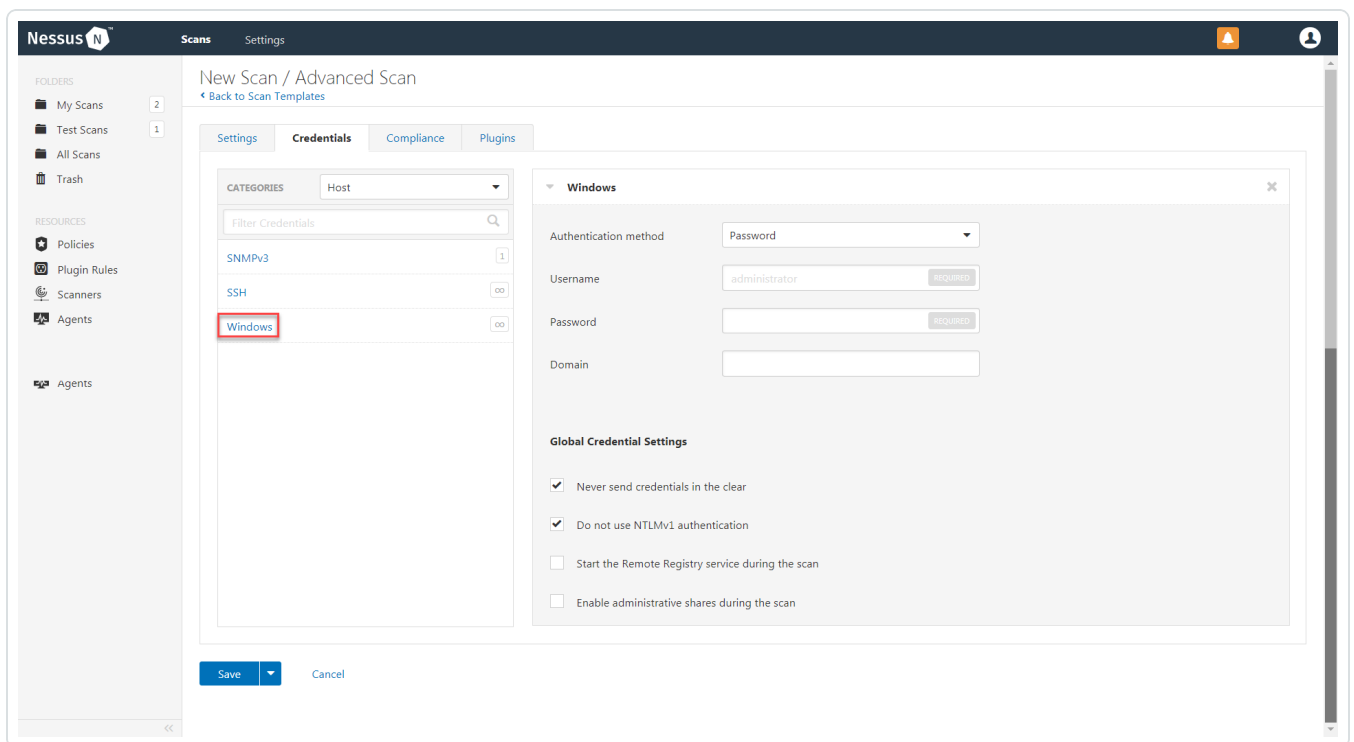
5. Enter a descriptive **Name** and the IP address(es) or hostname(s) of the scan **Targets**.



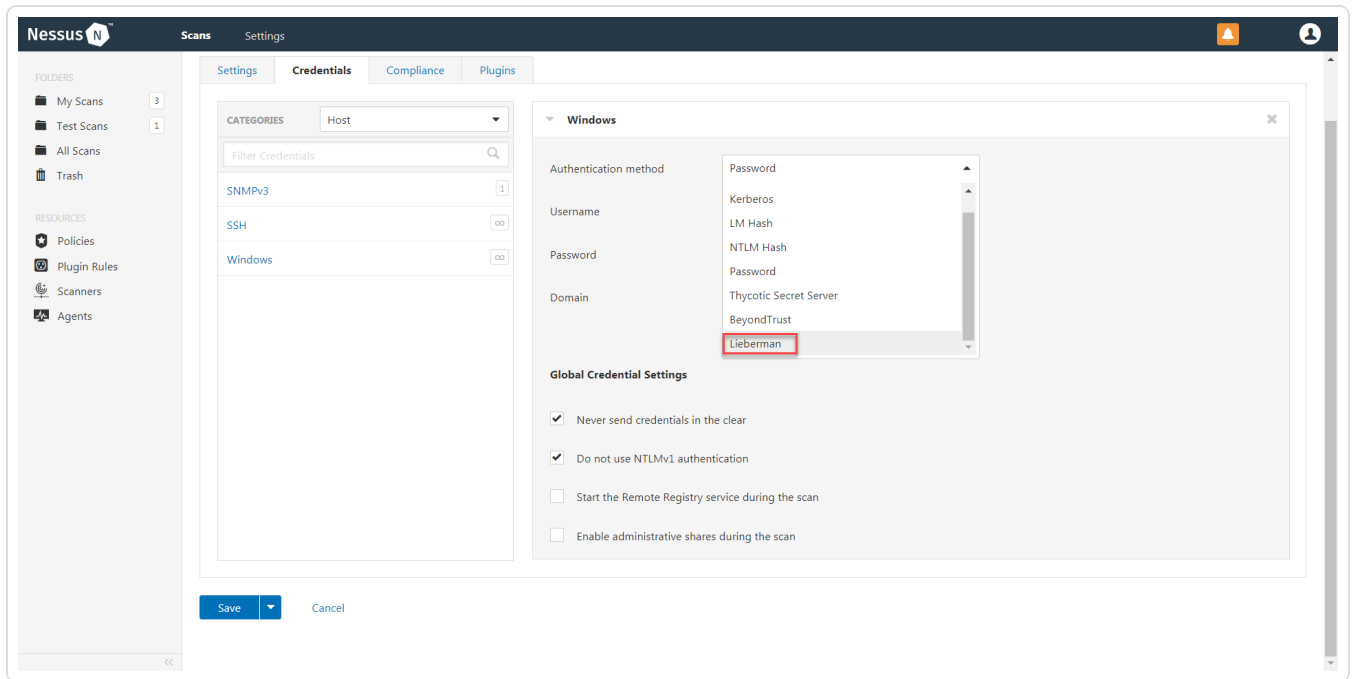
6. Click on the **Credentials** tab.



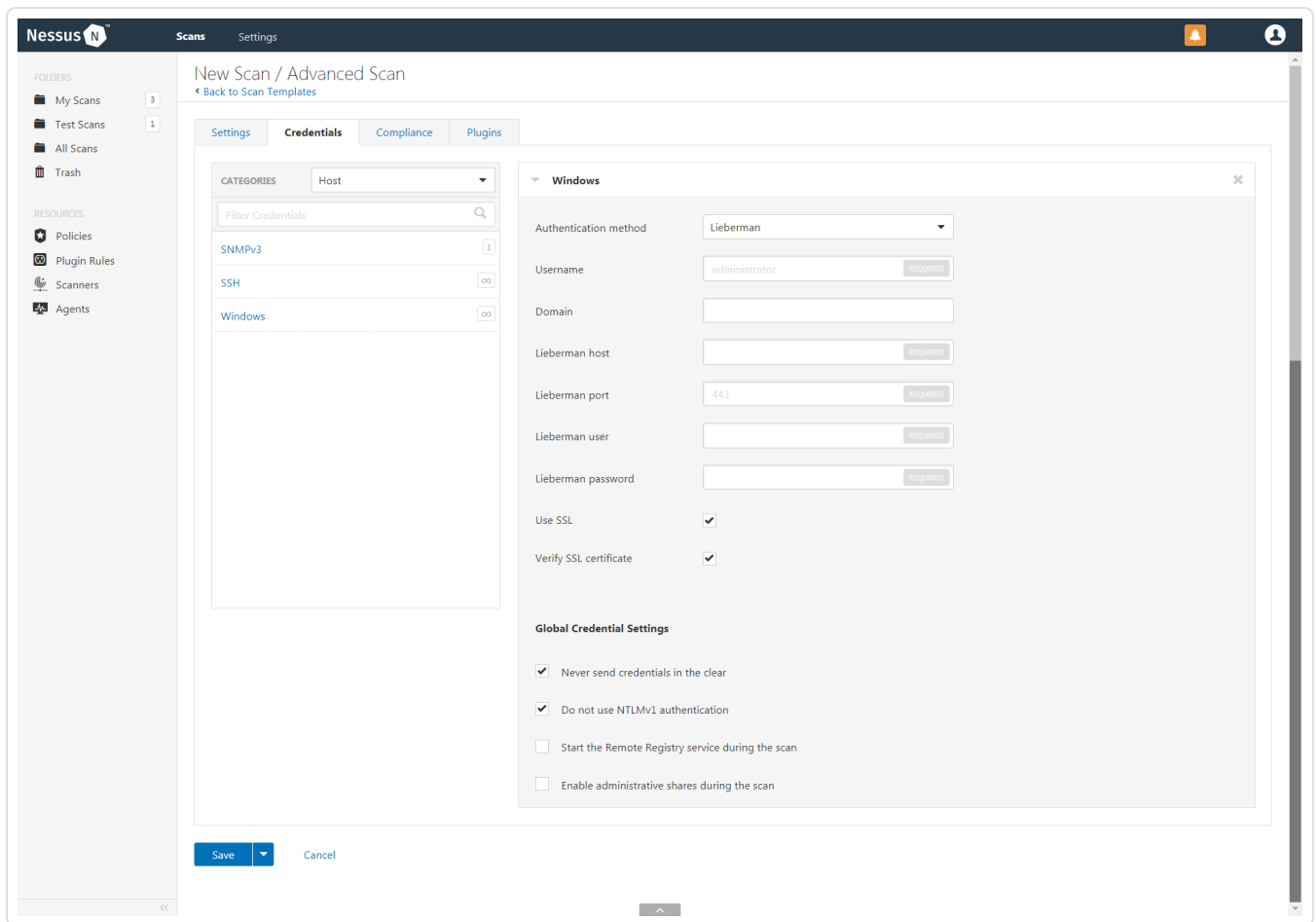
7. In the left-hand menu, select **Windows**.



8. From the **Authentication method** drop-down, select **Lieberman**.

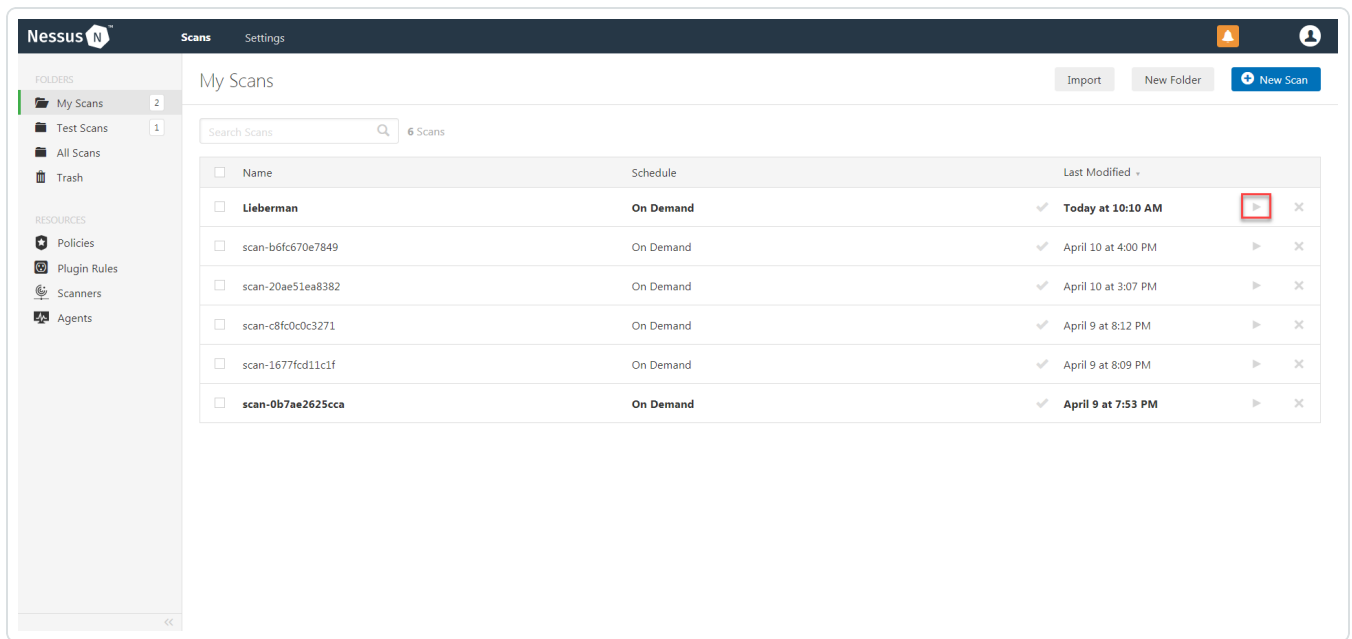


9. Configure each field for Windows authentication. See the [Nessus User Guide](#) to get detailed descriptions for each option.



10. Click **Save**.

11. To verify the integration works, click the **Launch** button to initiate an on-demand scan.



- Once the scan has completed, select the completed scan and look for the corresponding message - *Microsoft Windows SMB Log In Possible: 10394*. This validates that authentication was successful.

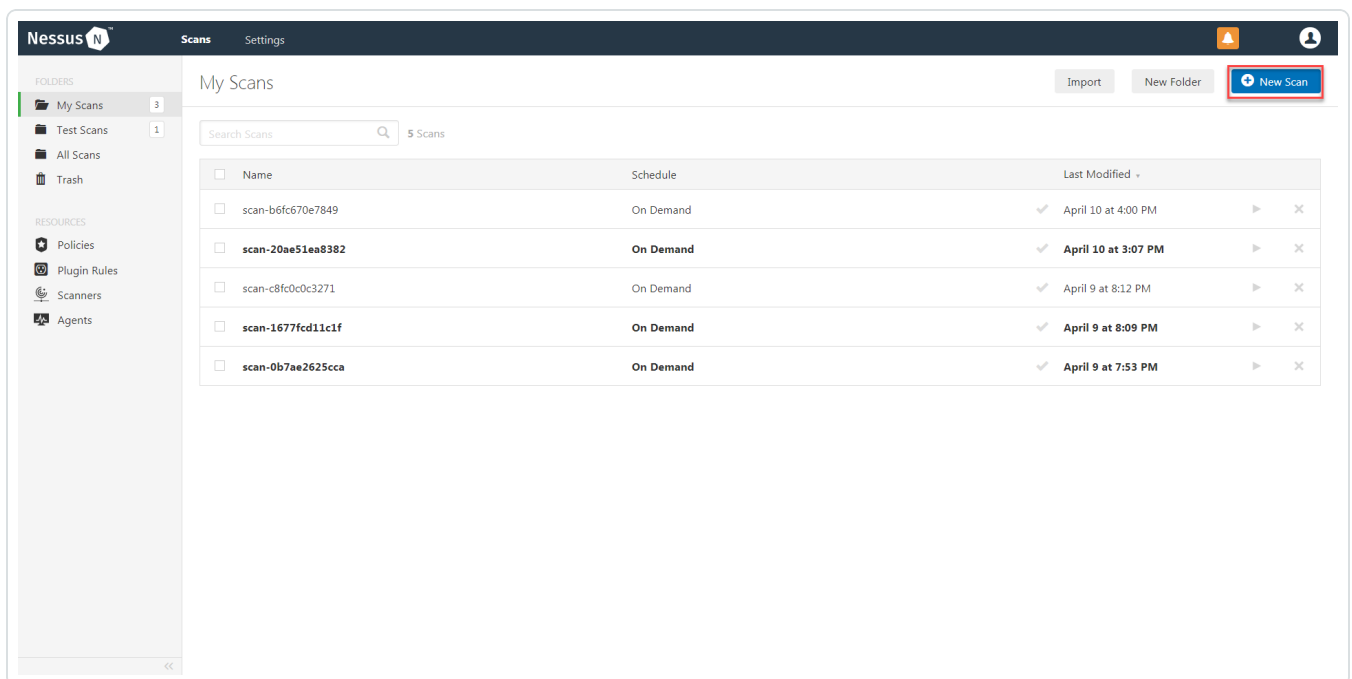
SSH Integration

Before you begin:

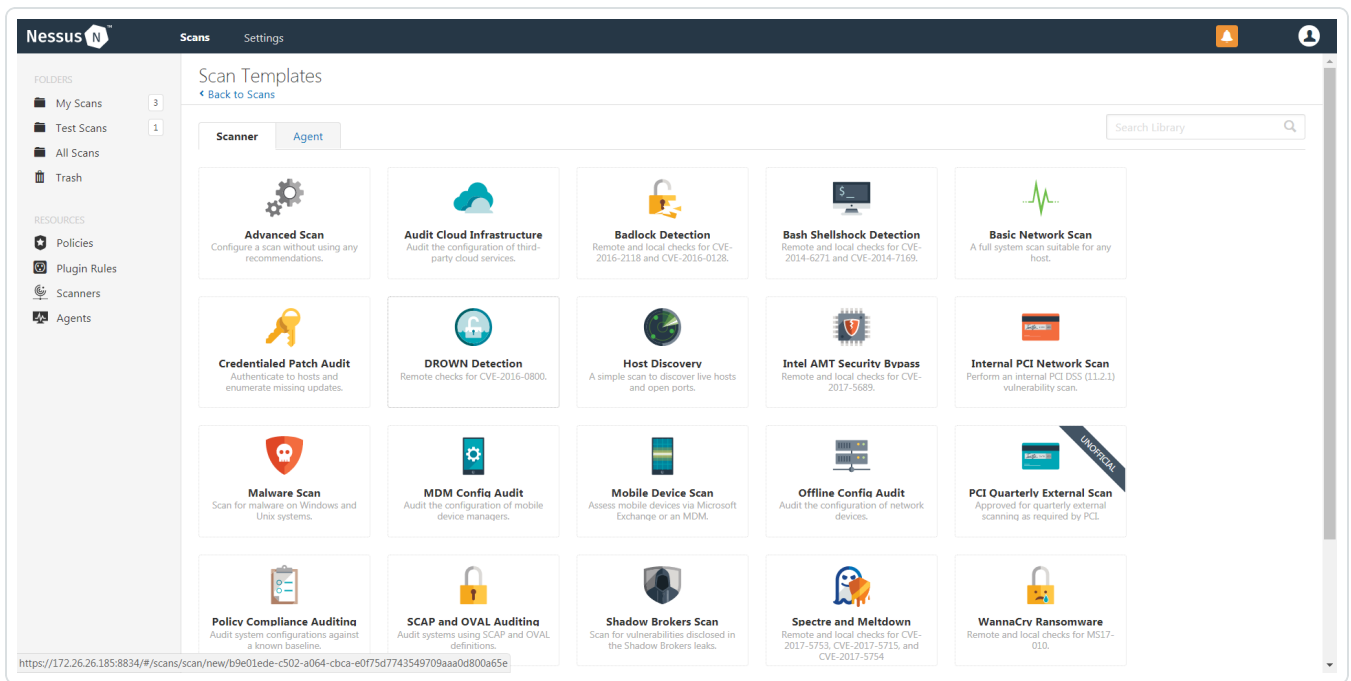
Caution: You must create an **Explicit Account** under *Delegation > Delegation Identities* in Lieberman. For additional information on how to create an Explicit Account, see the [Explicit Accounts section in the Lieberman RED Identity Management Administrator's Guide](#).

To integrate with SSH:

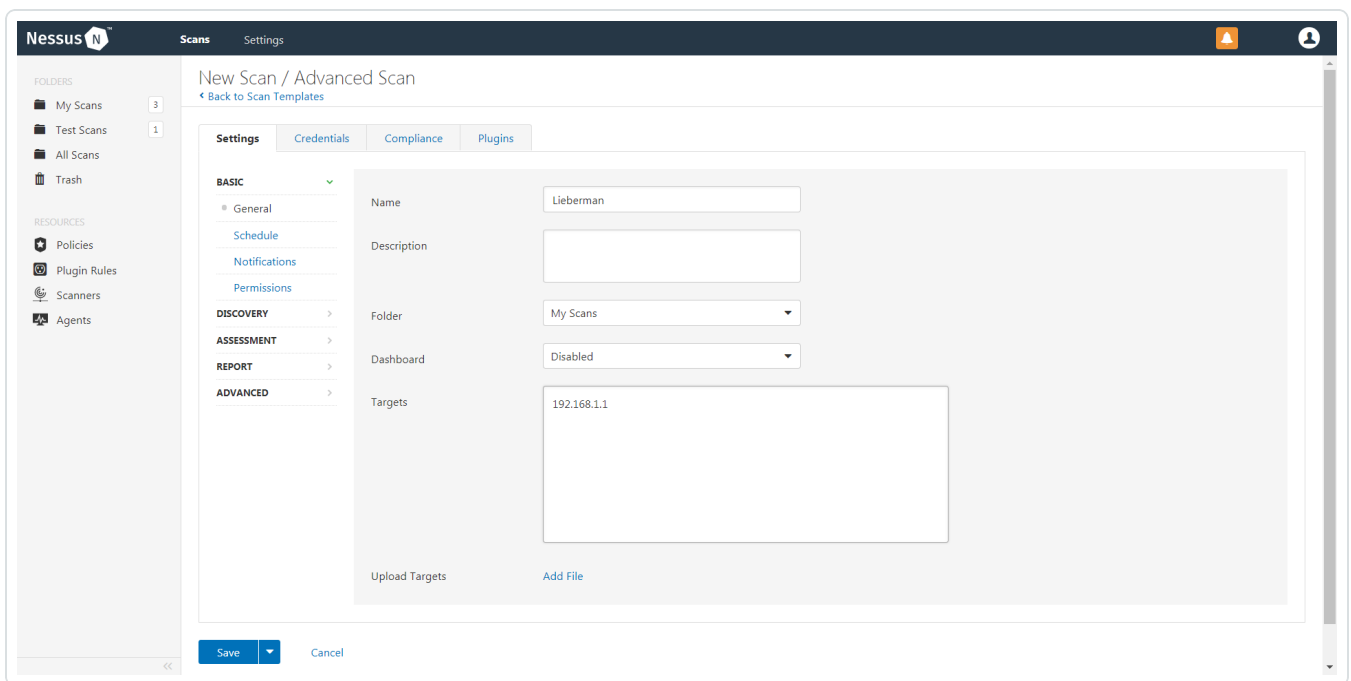
1. In a browser, log in to Nessus.
2. Navigate to the **Scans** section.
3. Click the **+ New Scan** button to configure Nessus for credentialed scans of Windows systems using Lieberman's password management solution.



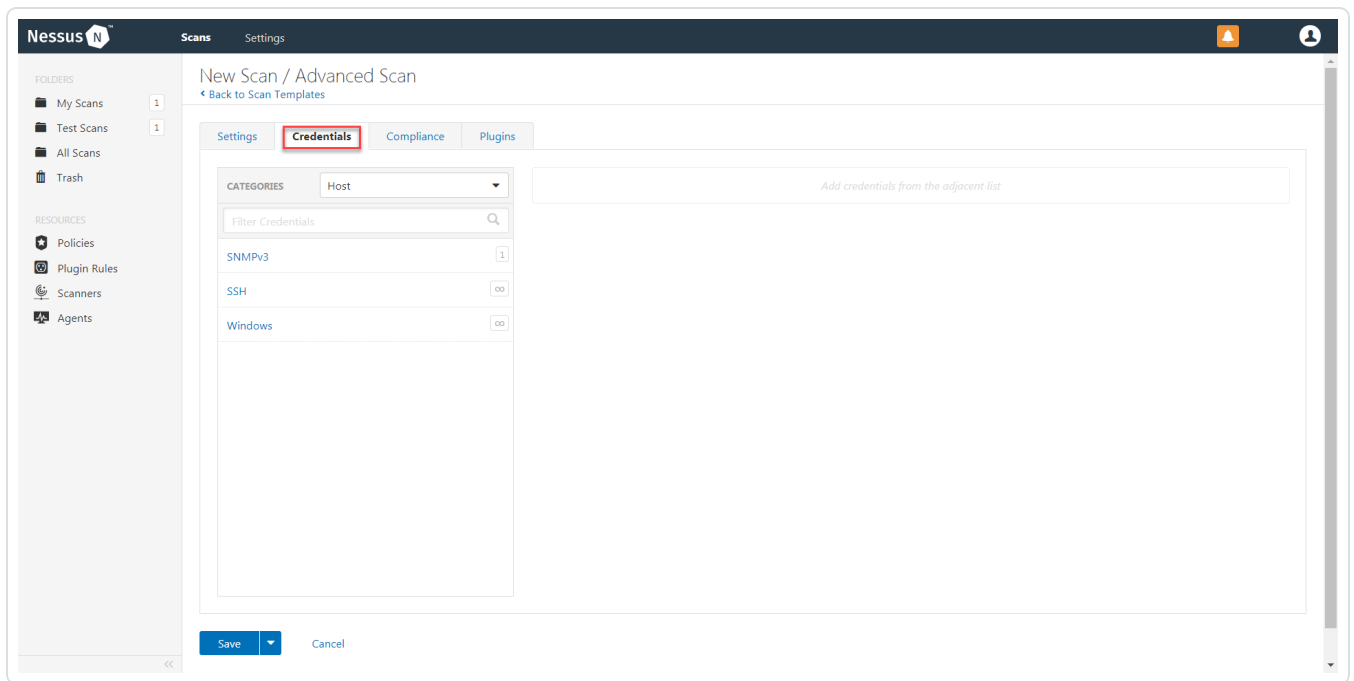
4. Select a **Scan Template** for the scan type required for your scan. For demonstration purposes, the **Advanced Network Scan** template is used.



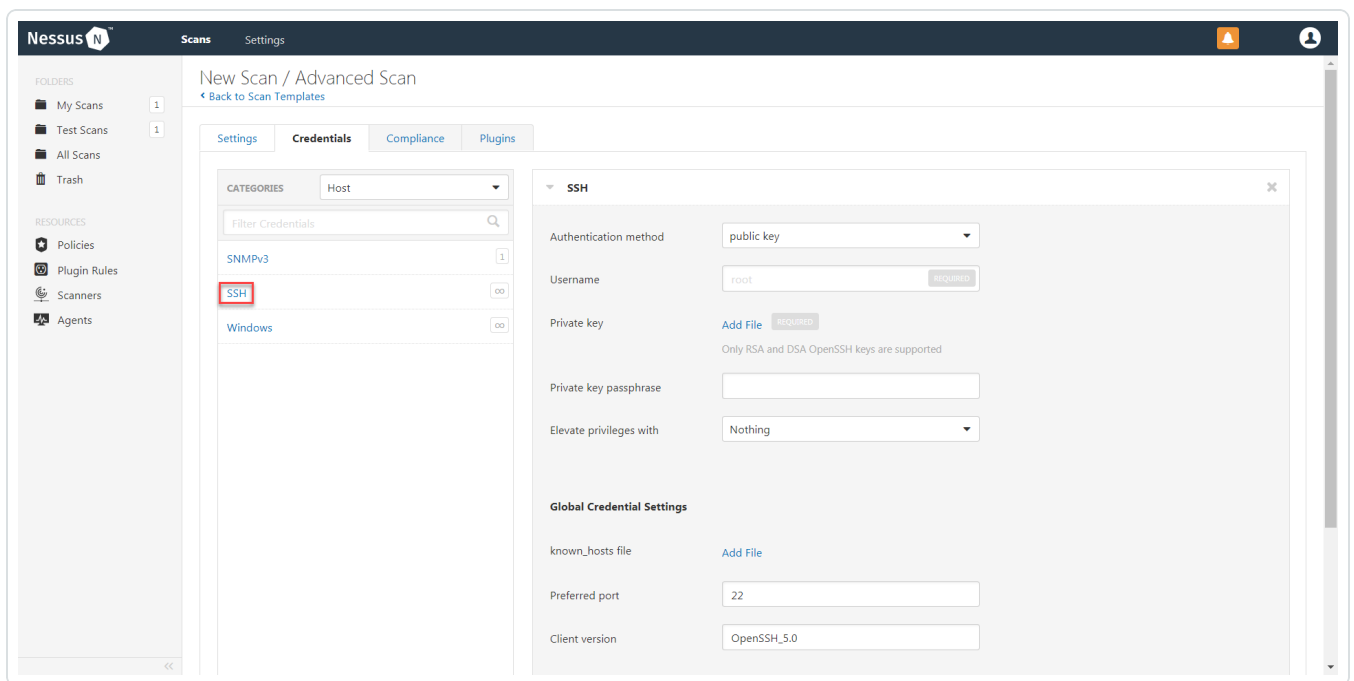
5. Enter a descriptive **Name** and the IP address(es) or hostname(s) of the scan **Targets**.



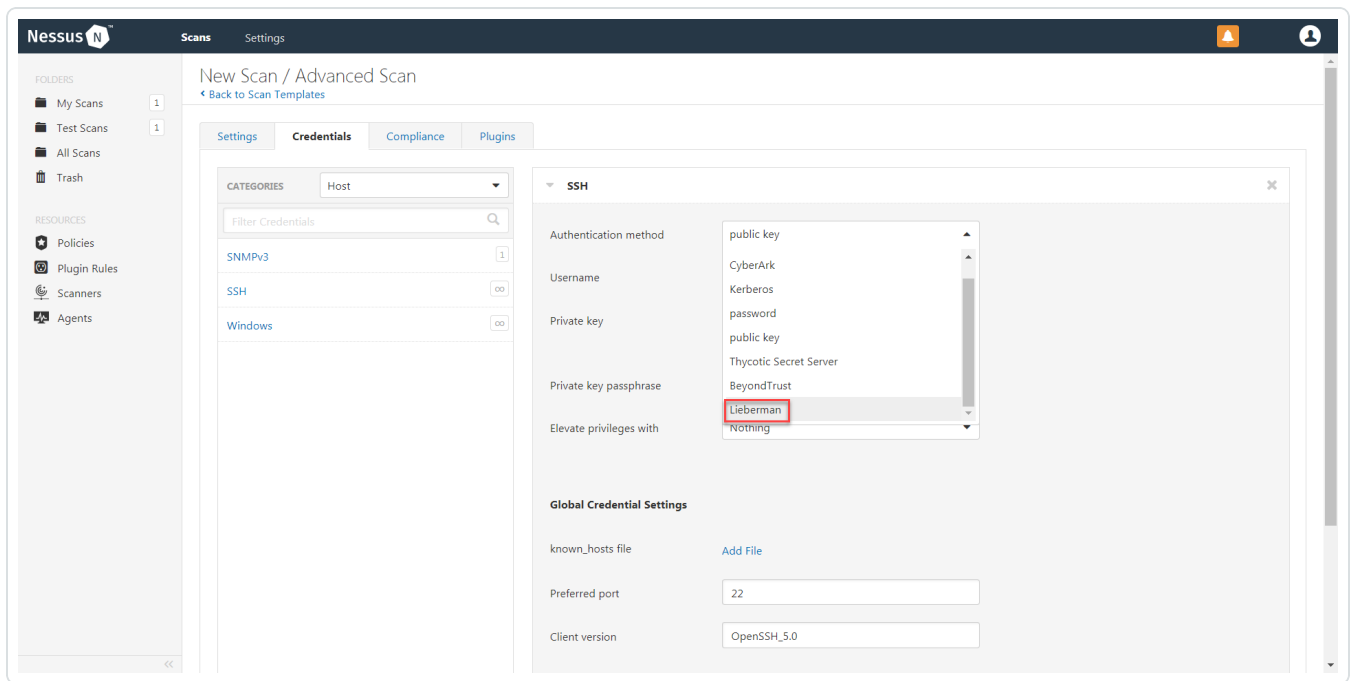
6. Click on the **Credentials** tab.



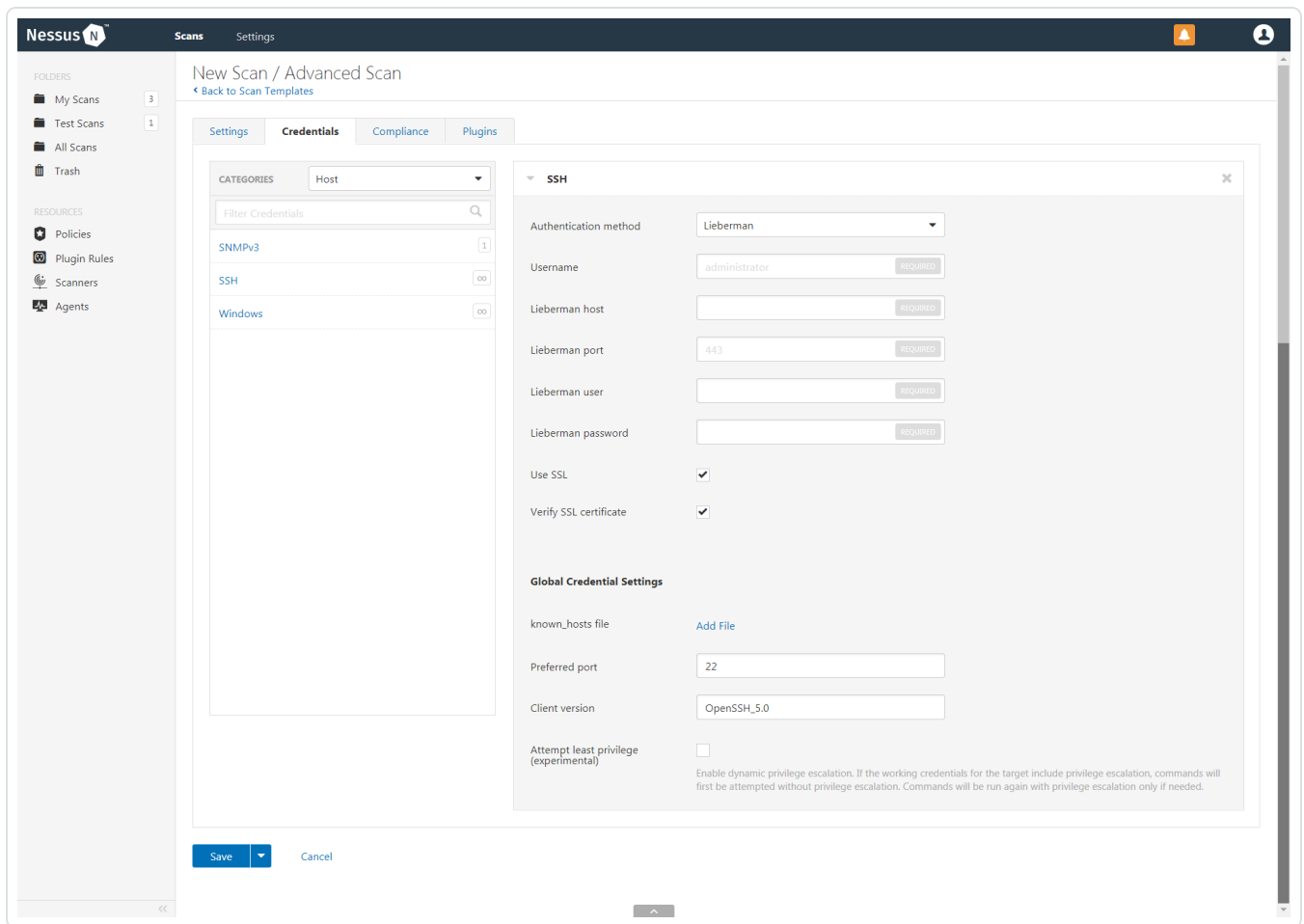
7. In the left-hand menu, select **SSH**.



8. From the **Authentication Method** drop-down, select **Lieberman**.

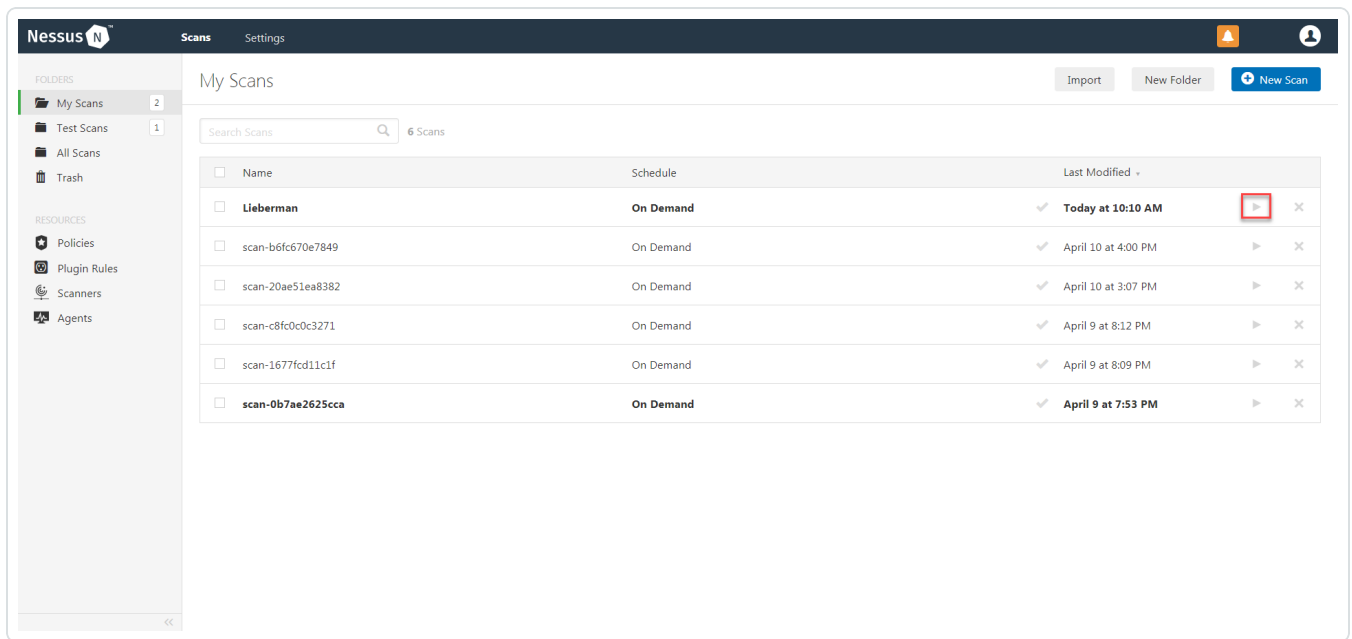


9. Configure each field for SSH authentication. See the [Nessus User Guide](#) to get detailed descriptions for each option.



10. Click **Save**.

11. To verify the integration is working, click the **Launch** button to initiate an on-demand scan.

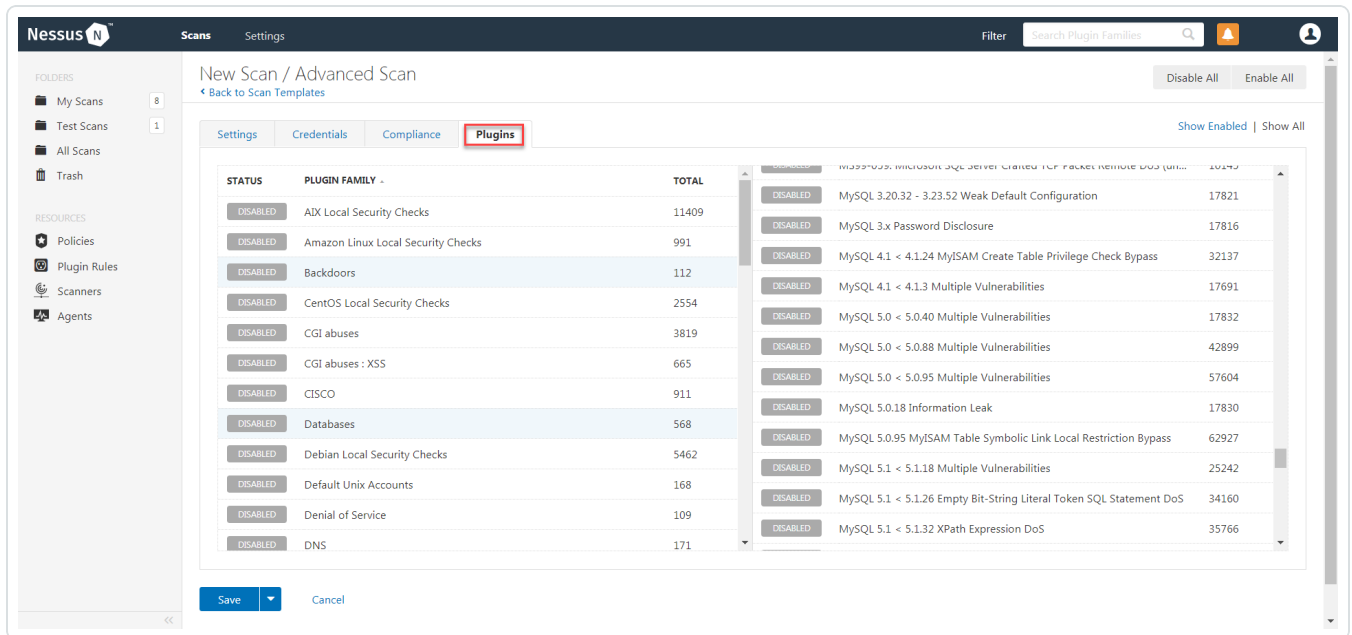


- Once the scan has completed, select the completed scan and look for **Plugin ID 97993** and the corresponding message - *It was possible to log into the remote host via SSH using 'password' authentication*. This validates that authentication was successful.

Database Integration

Tenable Nessus provides full database support for Lieberman. Enable the plugins in the scanner to display them in the output.

1. Go to the **Plugins** tab on the scan configurations page.



2. Click the **Status** button to Enable the database plugin.

scan-58dc178c3601 / Configuration

Settings | Credentials | Compliance | **Plugins**

STATUS	PLUGIN FAMILY	TOTAL	DISABLED	ENABLED
DISABLED	Oracle WebLogic Server Multiple Vulnerabilities (O...	78541	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	AIX Local Security Checks	11409	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Amazon Linux Local Security Checks	991	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Oracle WebLogic Server Multiple Vulnerabilities (O...	103935	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Backdoors	112	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Oracle WebLogic Server Node Manager Remote C...	44316	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	CentOS Local Security Checks	2554	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Oracle WebLogic Server Security Subcomponent ...	73914	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	CGI abuses	3819	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DISABLED	OS Identification and Installed Software Enumerati...	97993	<input type="checkbox"/>	<input checked="" type="checkbox"/>
DISABLED	CGI abuses : XSS	665	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	pam_ssh Login Prompt Remote Username Enume...	38197	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	CISCO	909	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Patch Management: Dell KACE K1000 Computer L...	76867	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Databases	568	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Patch Management: Dell KACE K1000 Report	76869	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Patch Management: Get Packages from Symante...	80860	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Debian Local Security Checks	5458	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Patch Management: Host information from VMwar...	57027	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Default Unix Accounts	168	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Patch Management: Missing updates from Dell KA...	76868	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Denial of Service	109	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Patch Management: Missing updates from SCCM	57030	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	DNS	171	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Patch Management: Missing Updates from Syman...	78012	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	F5 Networks Local Security Checks	607	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Patch Management: Missing updates from Tivoli E...	62560	<input type="checkbox"/>	<input type="checkbox"/>
DISABLED	Fedora Local Security Checks	12543	<input type="checkbox"/>	<input type="checkbox"/>

Save Cancel

3. Click **Save**.

Note: See the chart for database plugin types and corresponding IDs.

Plugin Type	Plugin ID
MSSQL	91827
Oracle	91825
MySQL	91823
PostgreSQL	91826

Additional Information

[Lieberman System](#)

[About Tenable](#)

Lieberman System

For additional information and documentation about the Lieberman system, go to <https://liebsoft.com/support/documentation/>.

About Tenable

Tenable transforms security technology for the business needs of tomorrow through comprehensive solutions that provide continuous visibility and critical context, enabling decisive actions to protect your organization. Tenable eliminates blind spots, prioritizes threats, and reduces exposure and loss. With more than one million users and more than 20,000 enterprise customers worldwide, organizations trust Tenable for proven security innovation. Tenable's customers range from Fortune Global 500 companies, to the U.S. Department of Defense, to mid-sized and small businesses in all sectors, including finance, government, healthcare, higher education, retail, and energy. Transform security with Tenable, the creators of Nessus and leaders in continuous monitoring, by visiting tenable.com.