How-to Guide: Tenable Nessus for Lieberman RED

Last Revised: August 14, 2018

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Introduction

This document describes how to configure Tenable Nessus for integration with Lieberman RED Identity Management system. Please email any comments and suggestions to support@tenable.com.

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 the Lieberman RED with Tenable's solutions, customers are now granted even more options and flexibility for reducing the credentials headache.

Benefits of integrating Tenable Nessus with Lieberman RED include:

- Credentials stored in Lieberman RED do not need to be managed and updated directly within Tenable Nessus.
- Reduce the time and effort needed to document where credentials are stored within the entire organizational environment.
- Automatically enforce security policies within specific departments or for specific business unit requirements, which simplifies compliance.
- Reduce the risk of unsecured privileged accounts and credentials across the enterprise.

Integrations

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

Windows Integration

SSH Integration

Database Integration

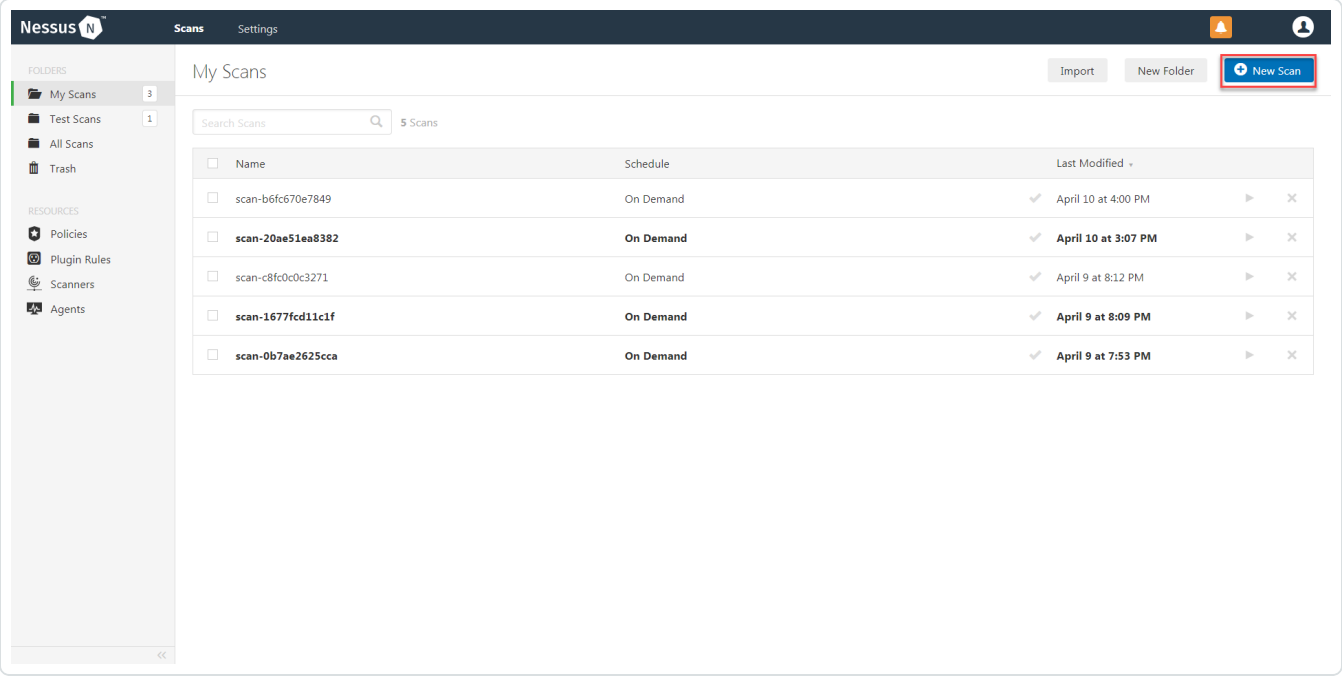
Windows Integration

Before you begin:

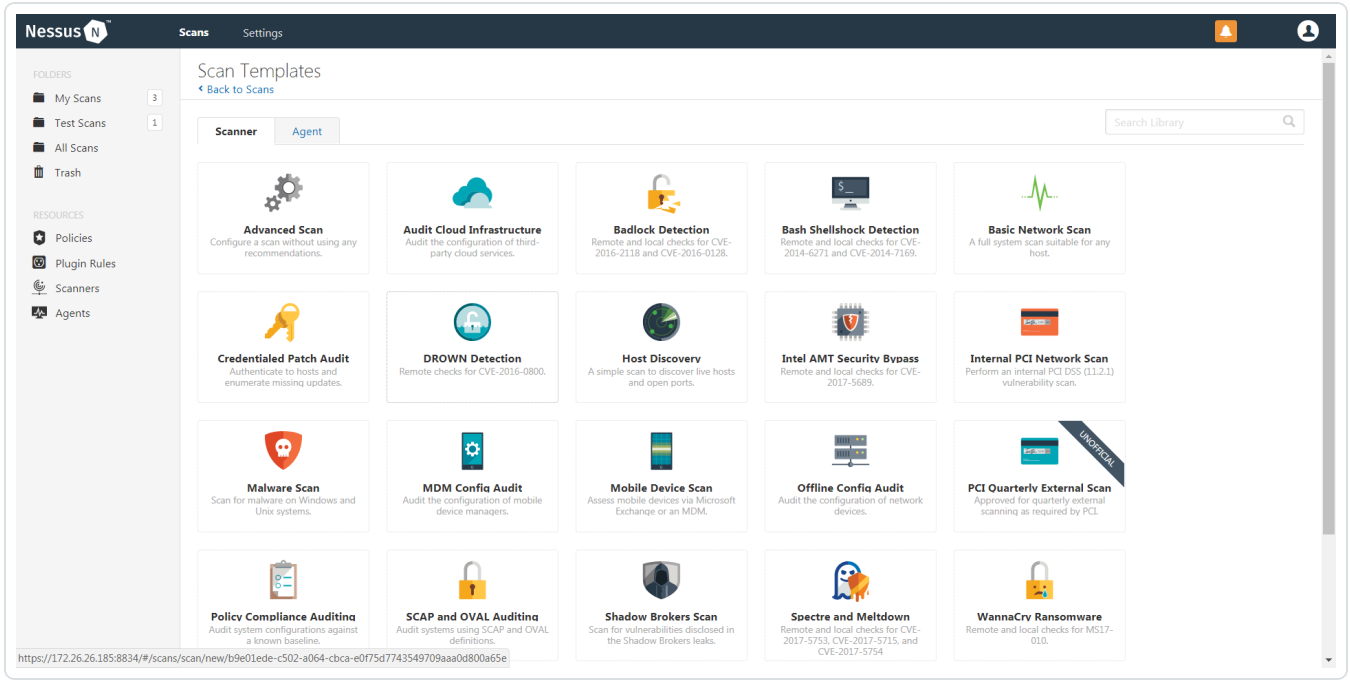
Caution: You must create an **Explicit Account** under *Delegation > Delegation Identities* in Lieberman. For additional information on how to create an Explicit Account, see the Explicit Accounts section in the Lieberman RED Identity Management Administrator's Guide.

To integrate with Windows:

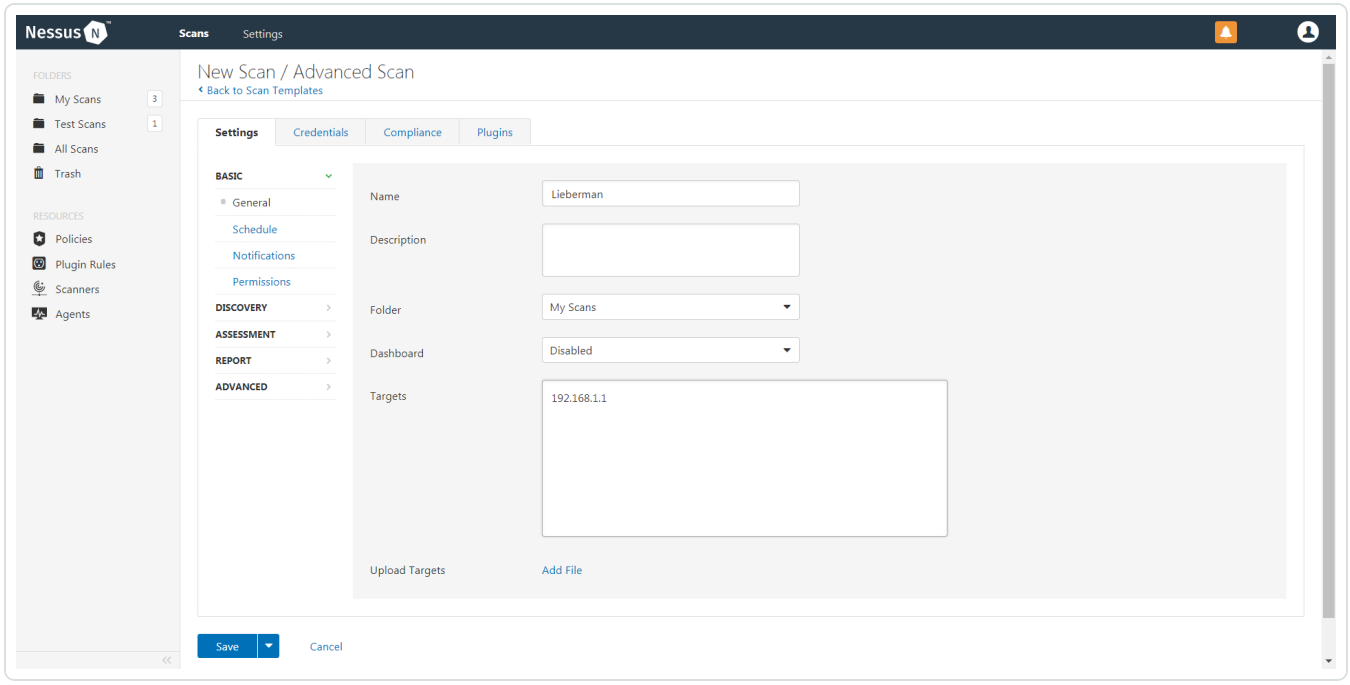
1. In a browser, log in to Nessus.
2. Navigate to the **Scans** section.
3. Click the **+ New Scan** button to configure Nessus for credentialed scans of Windows systems using Lieberman's password management solution.



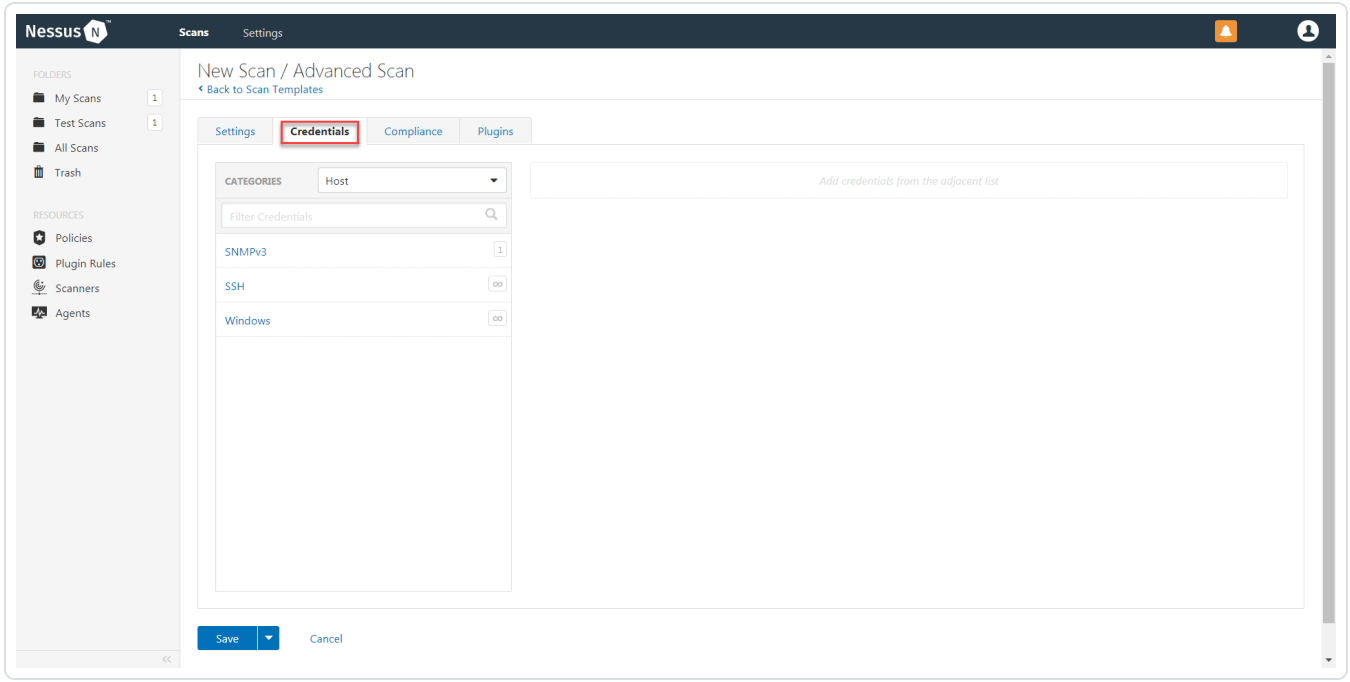
4. Select a **Scan Template** for the scan type required for your scan. For demonstration purposes, the **Advanced Network Scan** template is used.



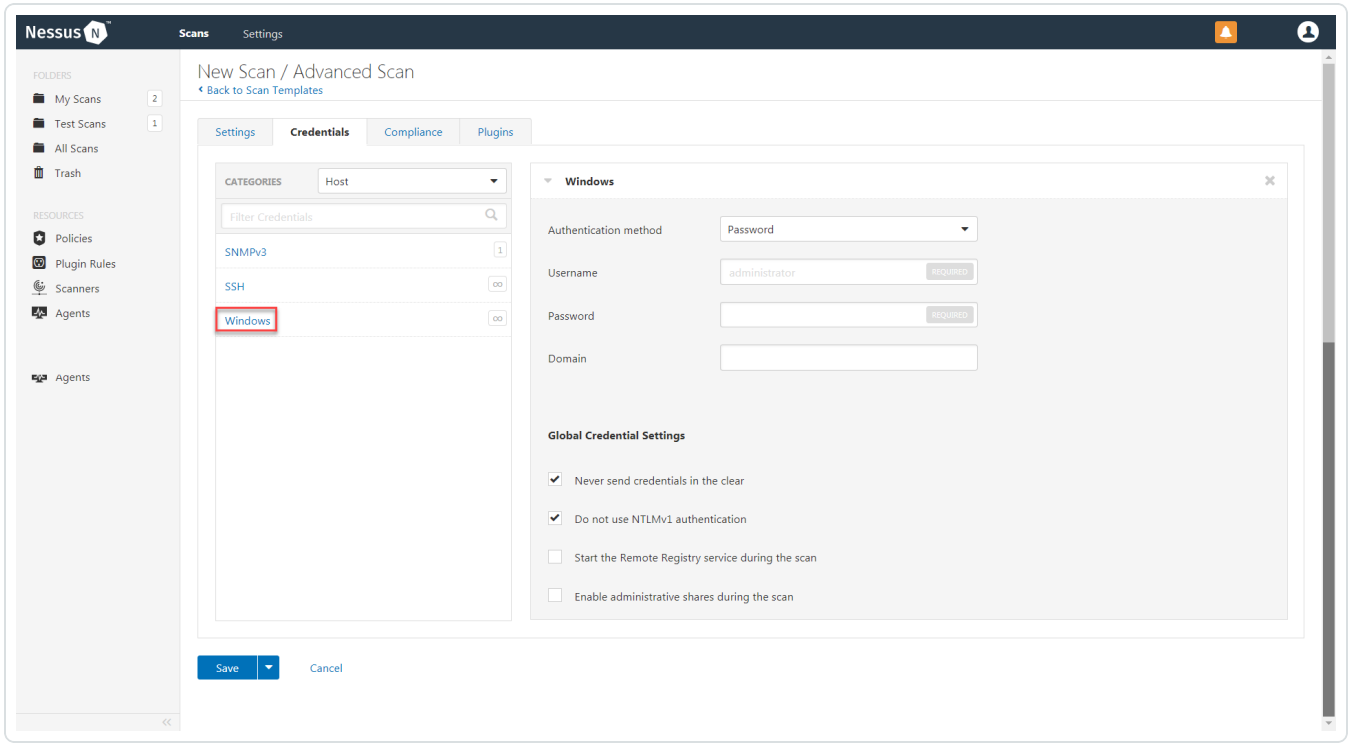
5. Enter a descriptive **Name** and the IP address(es) or hostname(s) of the scan **Targets**.



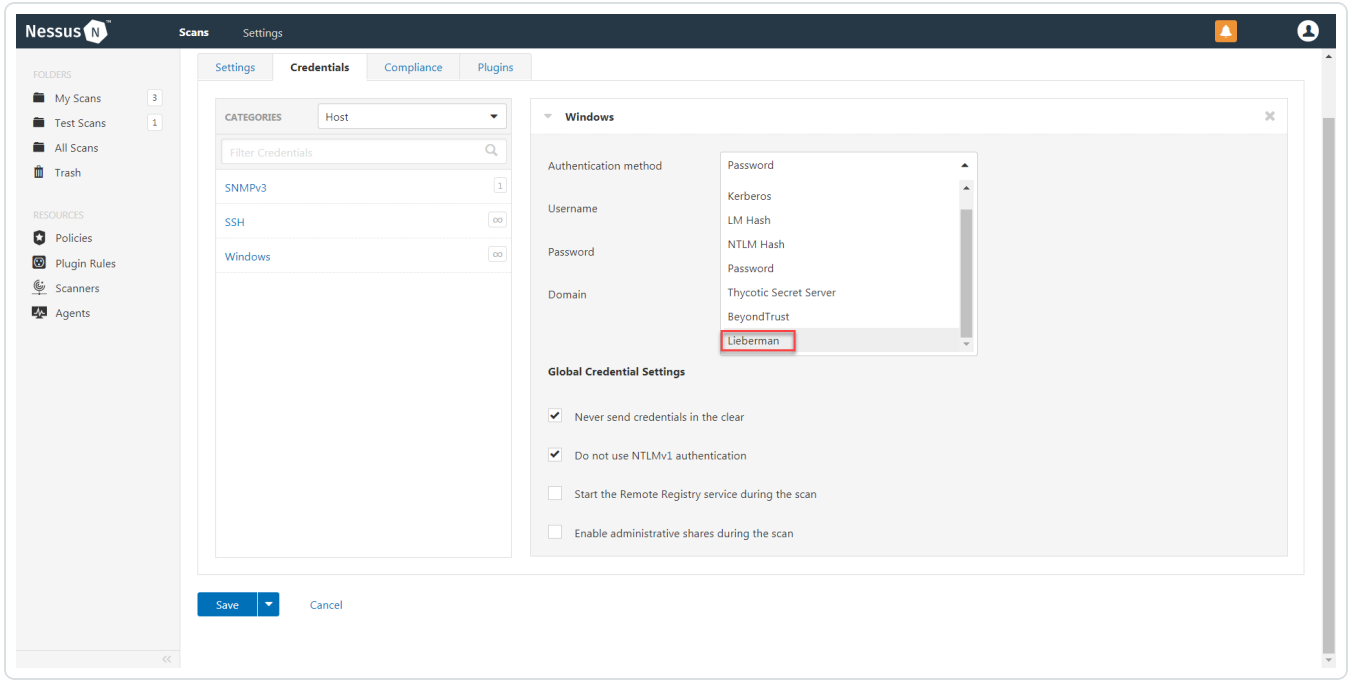
6. Click on the **Credentials** tab.



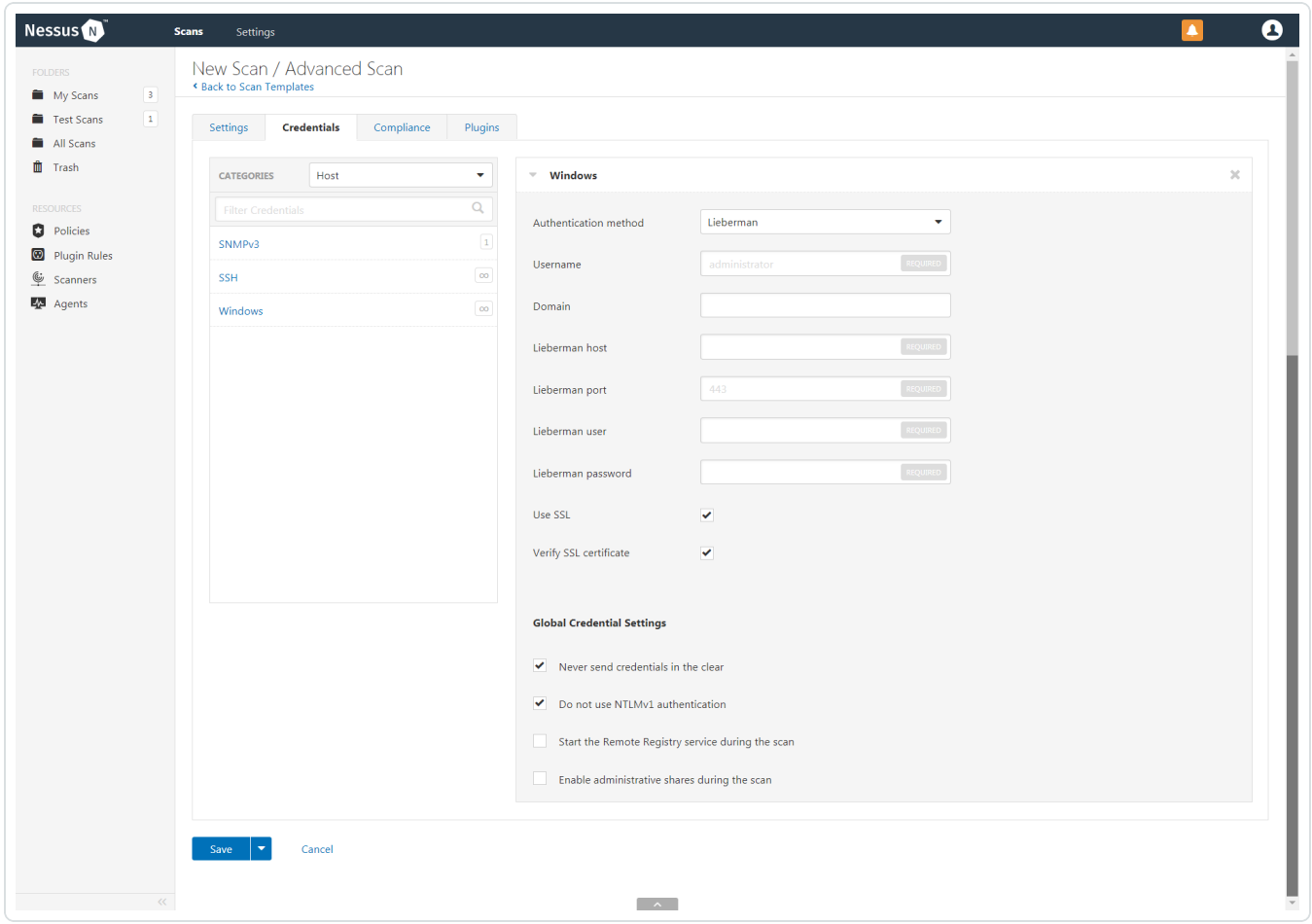
7. In the left-hand menu, select **Windows**.



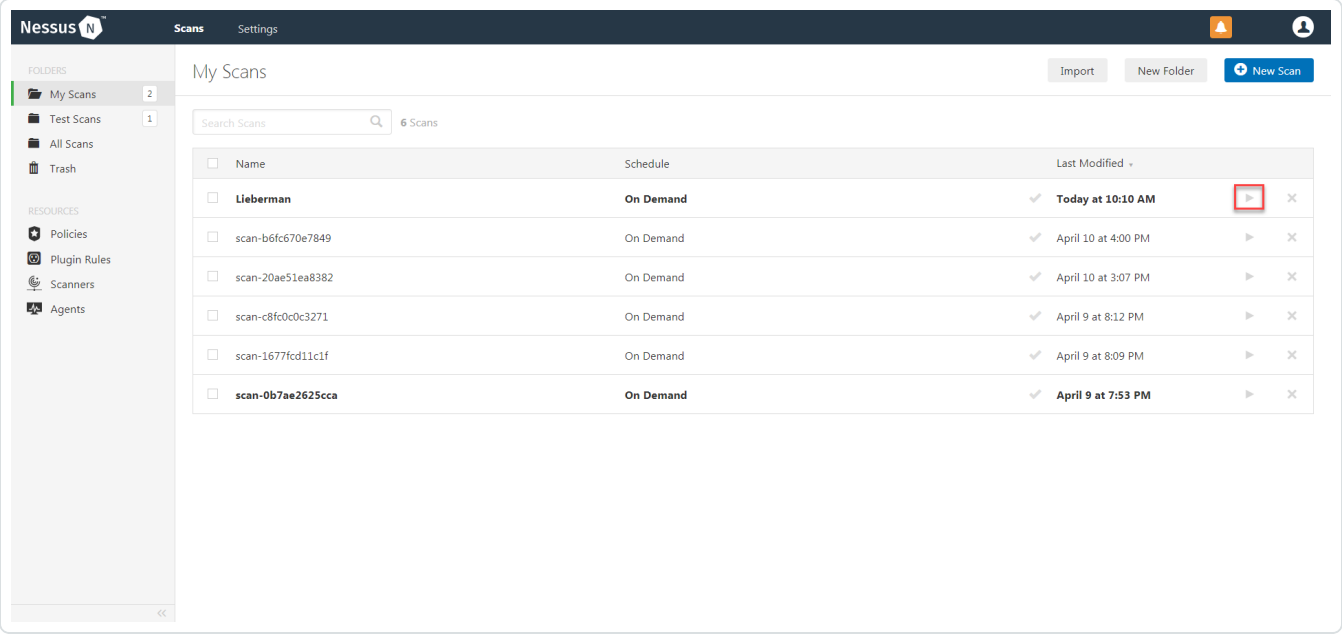
8. From the **Authentication method** drop-down, select **Lieberman**.



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.



12. 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.

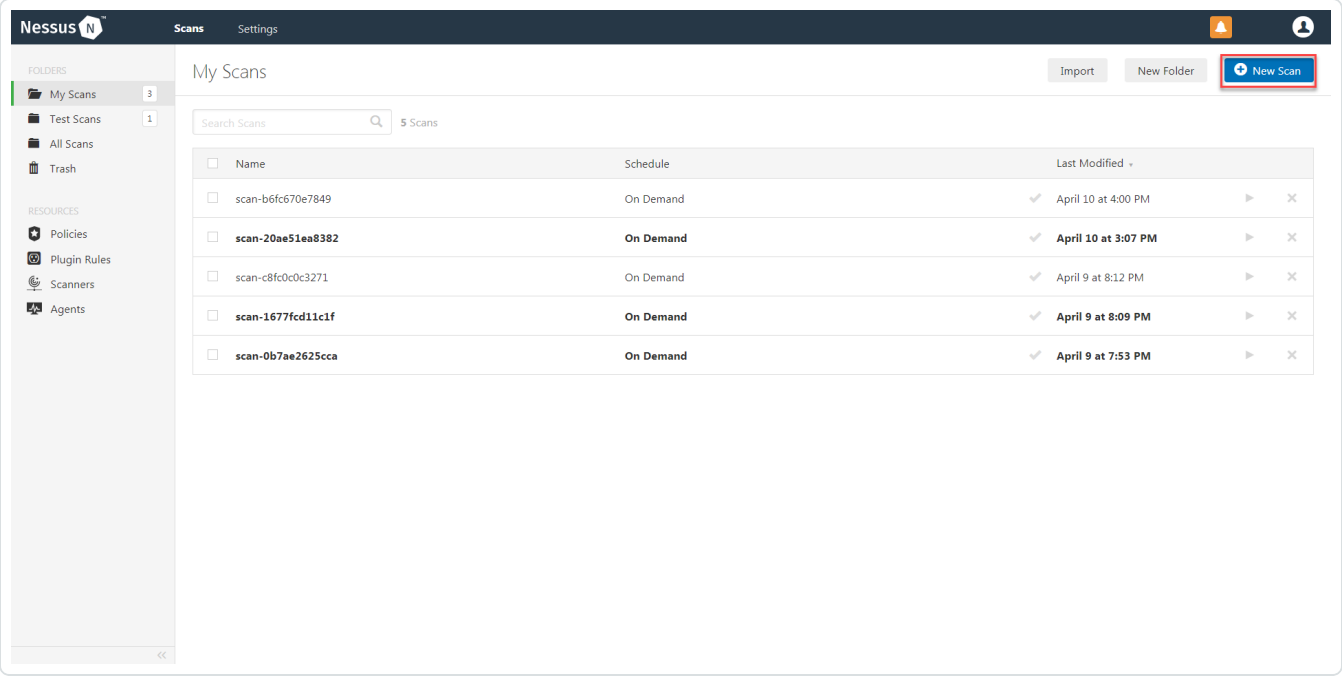
SSH Integration

Before you begin:

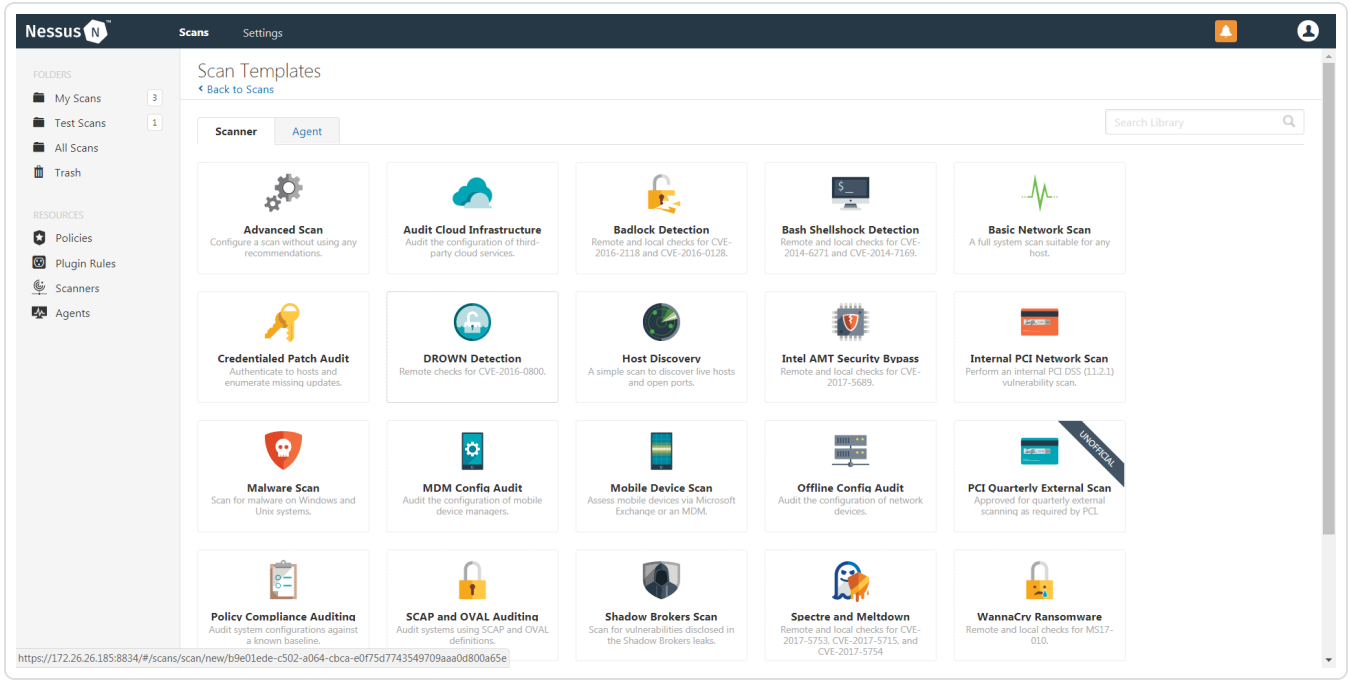
Caution: You must create an **Explicit Account** under *Delegation* > *Delegation Identities* in Lieberman. For additional information on how to create an Explicit Account, see the Explicit Accounts section in the Lieberman RED Identity Management Administrator's Guide.

To integrate with SSH:

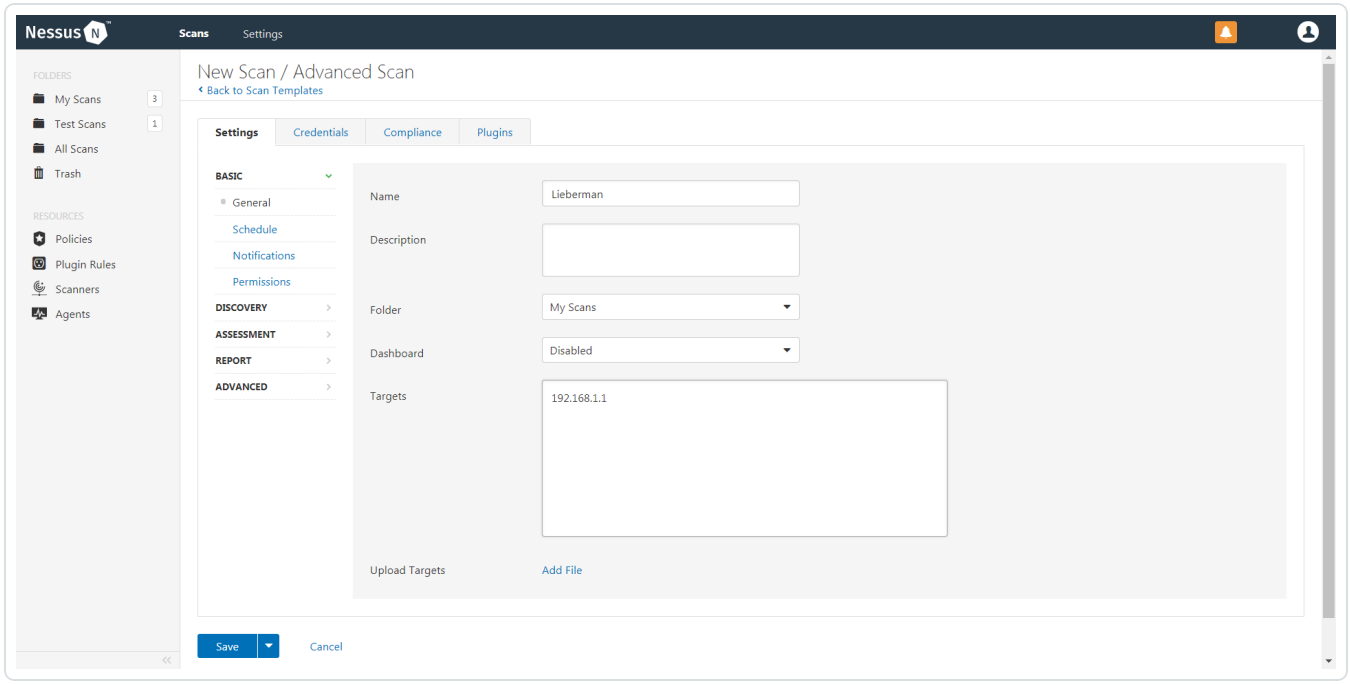
1. In a browser, log in to Nessus.
2. Navigate to the **Scans** section.
3. Click the **+ New Scan** button to configure Nessus for credentialed scans of Windows systems using Lieberman's password management solution.



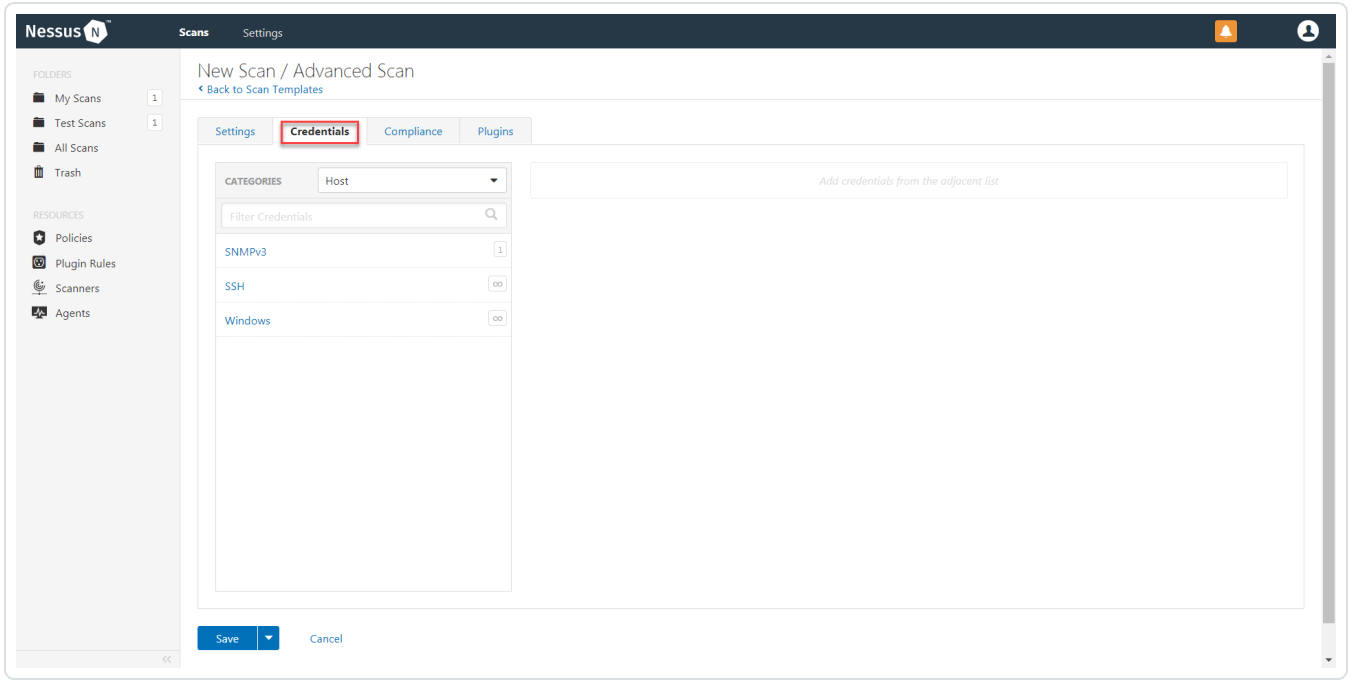
4. Select a **Scan Template** for the scan type required for your scan. For demonstration purposes, the **Advanced Network Scan** template is used.



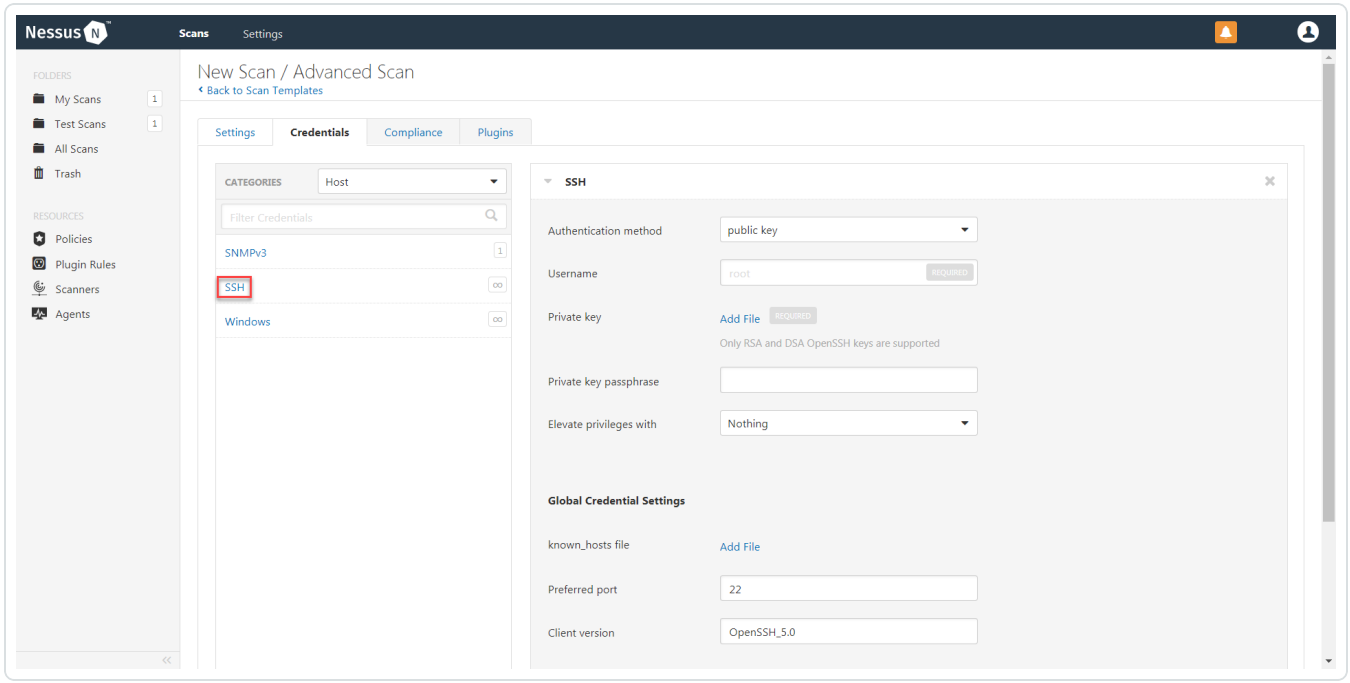
5. Enter a descriptive **Name** and the IP address(es) or hostname(s) of the scan **Targets**.



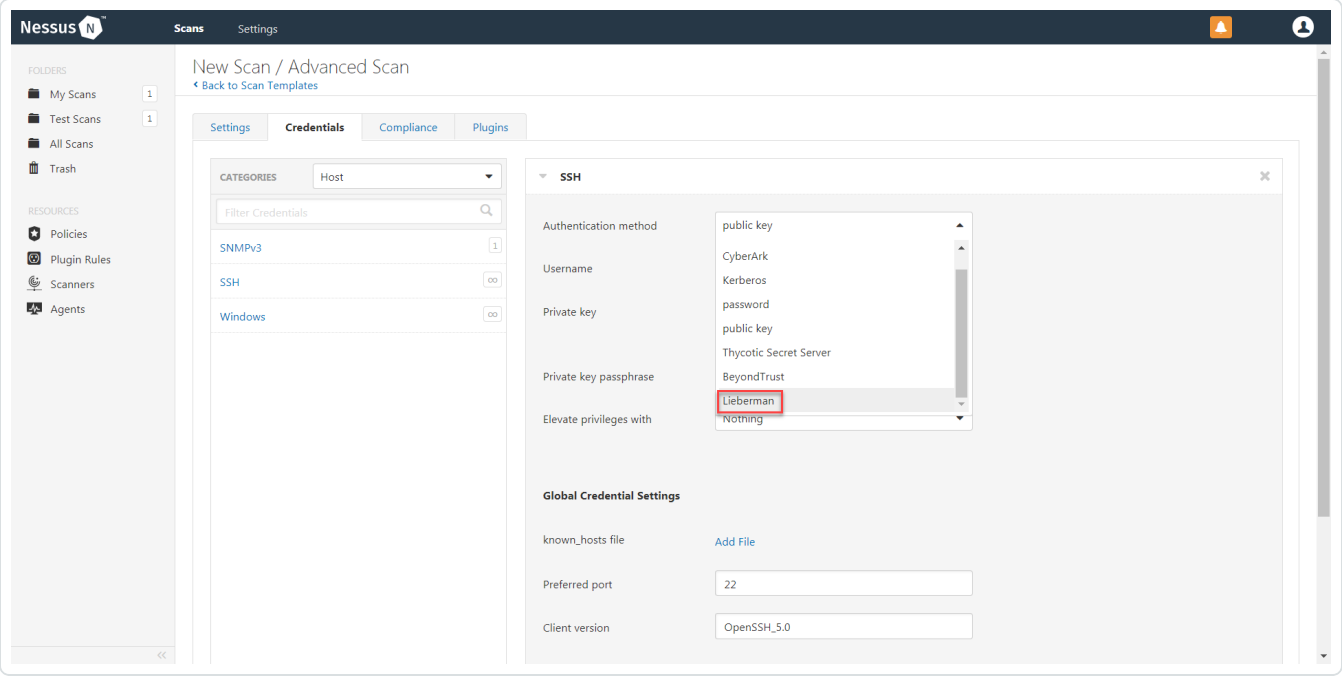
6. Click on the **Credentials** tab.



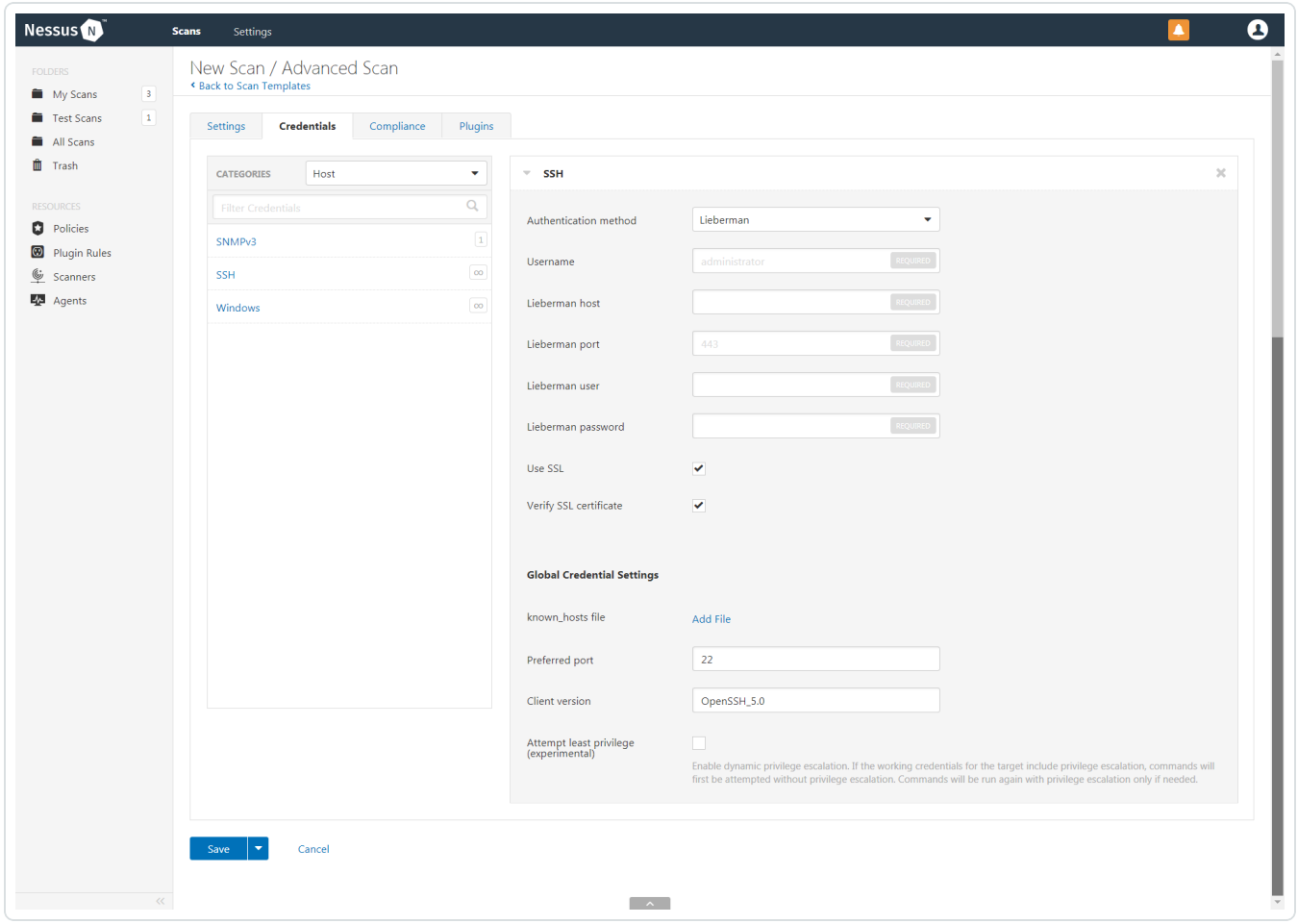
7. In the left-hand menu, select **SSH**.



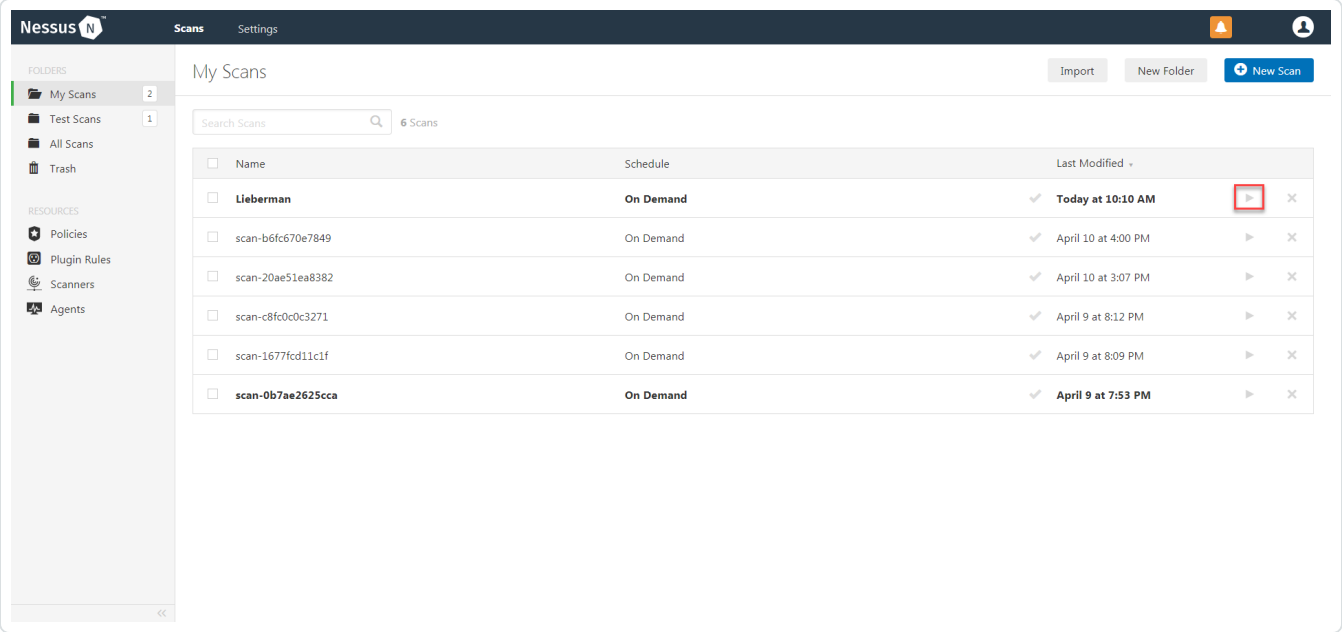
8. From the **Authentication Method** drop-down, select **Lieberman**.



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.

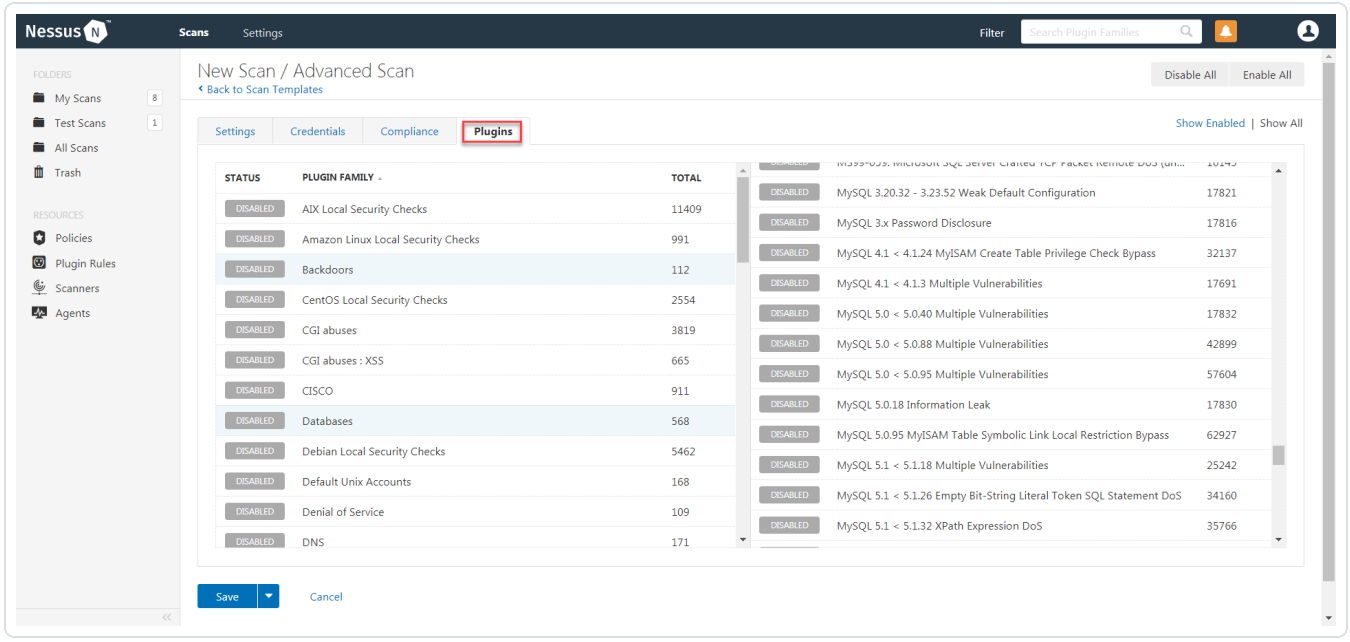


12. Once the scan has completed, select the completed scan and look for **Plugin ID 97993** and the corresponding message - *It was possible to log into the remote host via SSH using 'password' authentication*. This validates that authentication was successful.

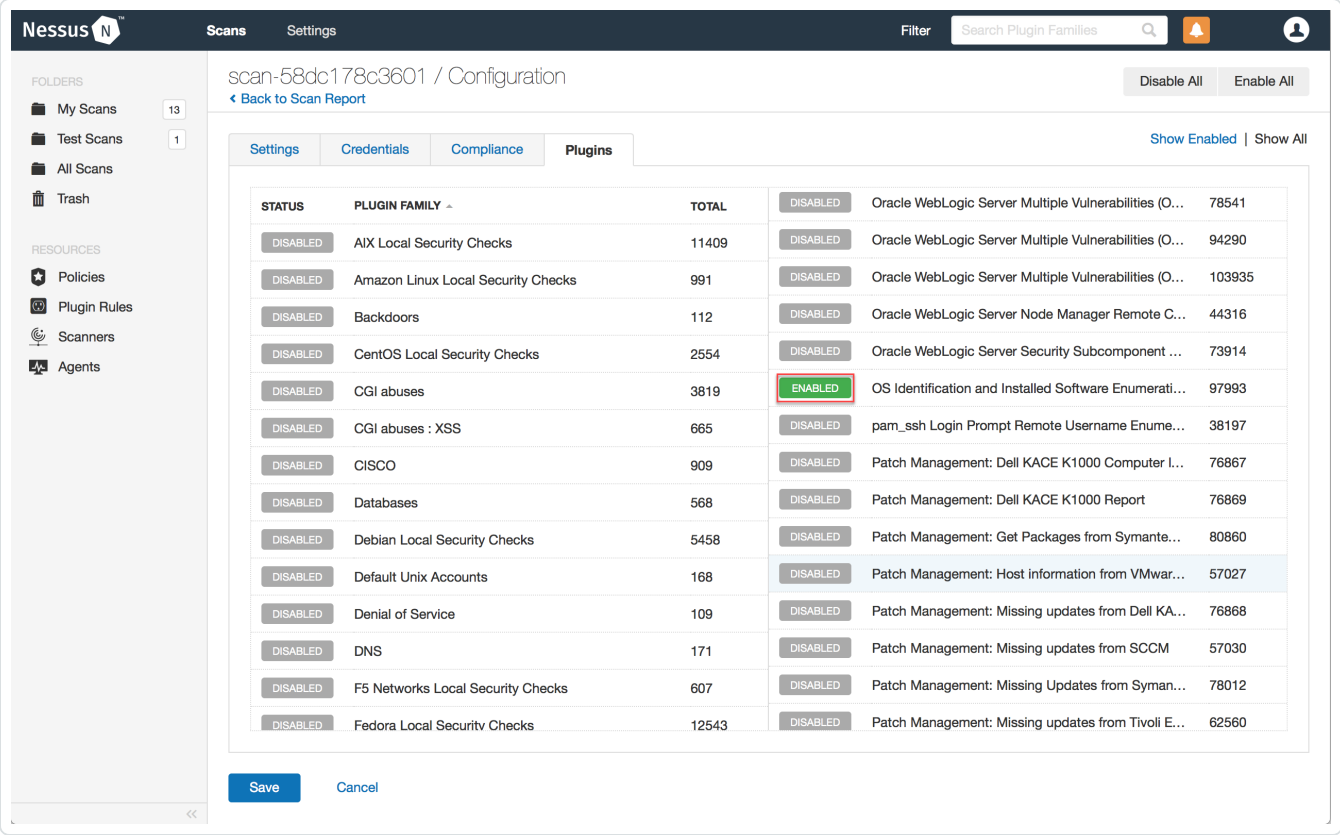
Database Integration

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.



3. Click **Save**.

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

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

Additional Information

Lieberman RED System

About Tenable

Lieberman RED System

For additional information and documentation about the Lieberman RED Identity Management 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.