Tenable and Delinea Integration Guide

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Welcome to Tenable for Delinea

This document provides information and steps for integrating Tenable Vulnerability Management, Tenable Nessus, or Tenable Security Center with Delinea Privileged Access Management (PAM).

The Tenable® integration with Delinea delivers a comprehensive authenticated scanning solution that provides security teams better vulnerability insight in order to protect privileged accounts. This integration supports the storage of privileged credentials in Delinea and their automatic retrieval at scan time by Tenable. This ensures that sensitive passwords are safely stored, controlled, auditable, and easily changed without manual intervention.

For more information about each product integration, see *Delinea* in the Tenable Nessus, Tenable Vulnerability Management, and Tenable Security Center user guides.

Delinea Integrations

View one of the following options for Delinea integration steps:

- Database Integration
- SSH Integration
- Windows Integration

Database Integration

Tenable provides full database support for Delinea.

Requirements

- Tenable Vulnerability Management or Tenable Nessus account
- Delinea account

Required User Role: Standard, Scan Manager, or Administrator

To configure Tenable for Delinea database:

1. Log in to your Tenable user interface.
2. Click **Scans**.

   The **My Scans** page appears.
3. Click **+ New Scan**.

   The **Scan Templates** page appears.
4. Select a scan template.

   The scan configuration page appears.
5. In the **Name** box, type a name for the scan.
6. In the **Targets** box, type an IP address, hostname, or range of IP addresses.
7. (Optional) Add a description, folder location, scanner location, and specify target groups.
8. Click the **Credentials** tab.

   The **Credentials** pane appears.
9. Click the **Database** option.

   The **Database** options appear.
10. In the **Database Type** drop-down box, select **Cassandra**, **Oracle**, **DB2**, **MongoDB**, **PostgreSQL**, **MySQL**, **SQL Server**, or **Sybase ASE**.

11. In the **Auth Type** drop-down box, click **Delinea** Secret Server.

    The Delinea Secret Server options appear.

12. Configure each option for the **Database** authentication.

Option	Description	Required
Delinea Secret Name	The value of the secret on the Delinea server. The secret is labeled Secret Name on the Delinea server.	yes
Delinea Host	The Delinea Secret Server IP address or DNS address.	yes
Delinea Port	The port on which Delinea Secret Server listens.	yes
Delinea Authentication Method	Indicates whether to use credentials or an API key for authentication. By default, credentials are selected.	yes
Delinea Delinea Login Name	The username to authenticate to the Delinea server.	yes
Delinea Password	The password to authenticate to the Delinea server. This is associated with the Delinea Login Name you provided.	yes
Delinea API key	The API key provided by Delinea Secret Server.	yes
Use SSL	Enable if the Delinea Secret Server is configured to support SSL.	no
Verify SSL certificate	If enabled, verifies the SSL Certificate on the Delinea server.	no

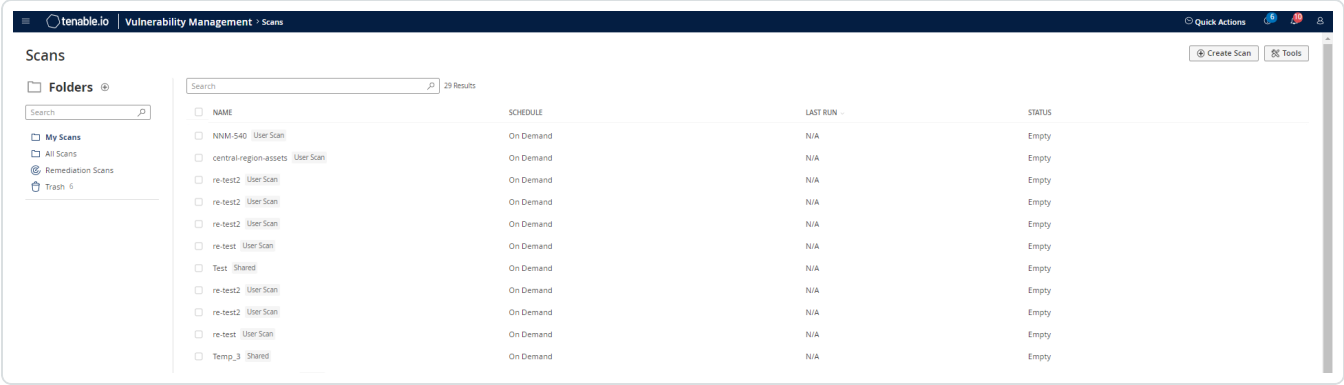
13. Click **Save**.

SSH Integration

To configure Tenable with Delinea using SSH integration:

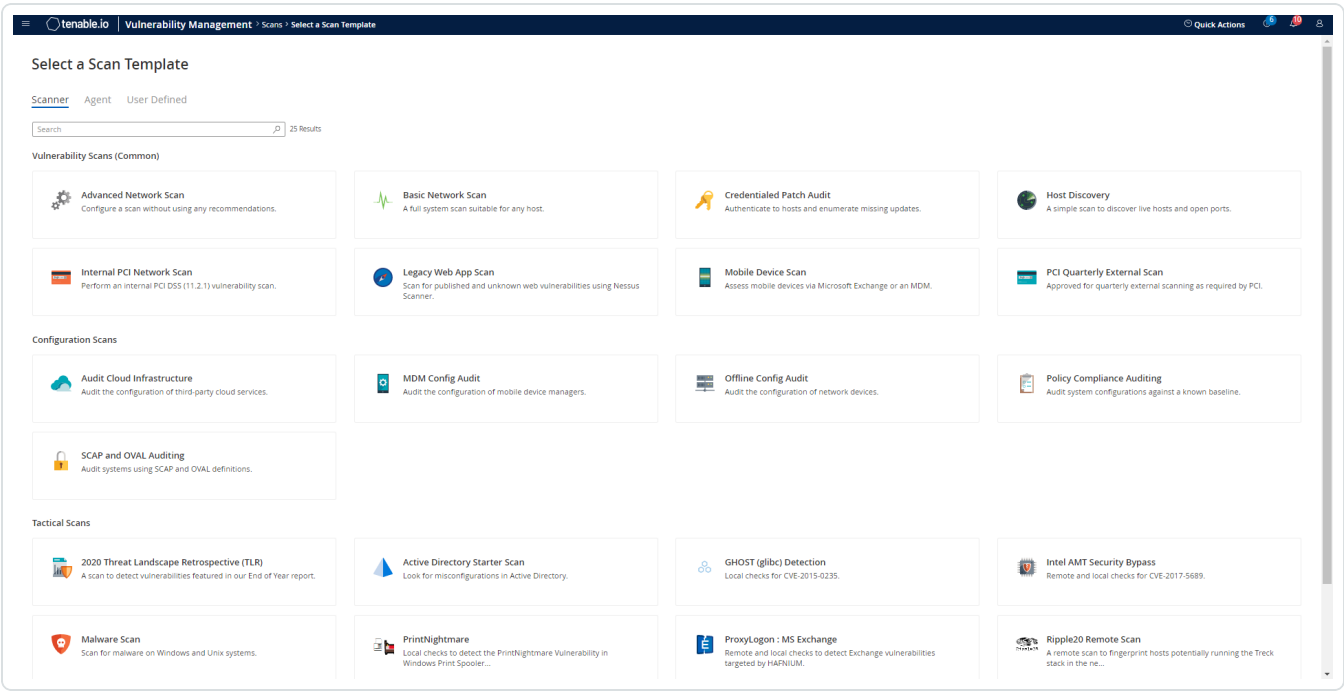
1. Log in to your Tenable user interface.
2. Click **Scans**.
3. Click **+ New Scan**.

   The **My Scans** page appears.

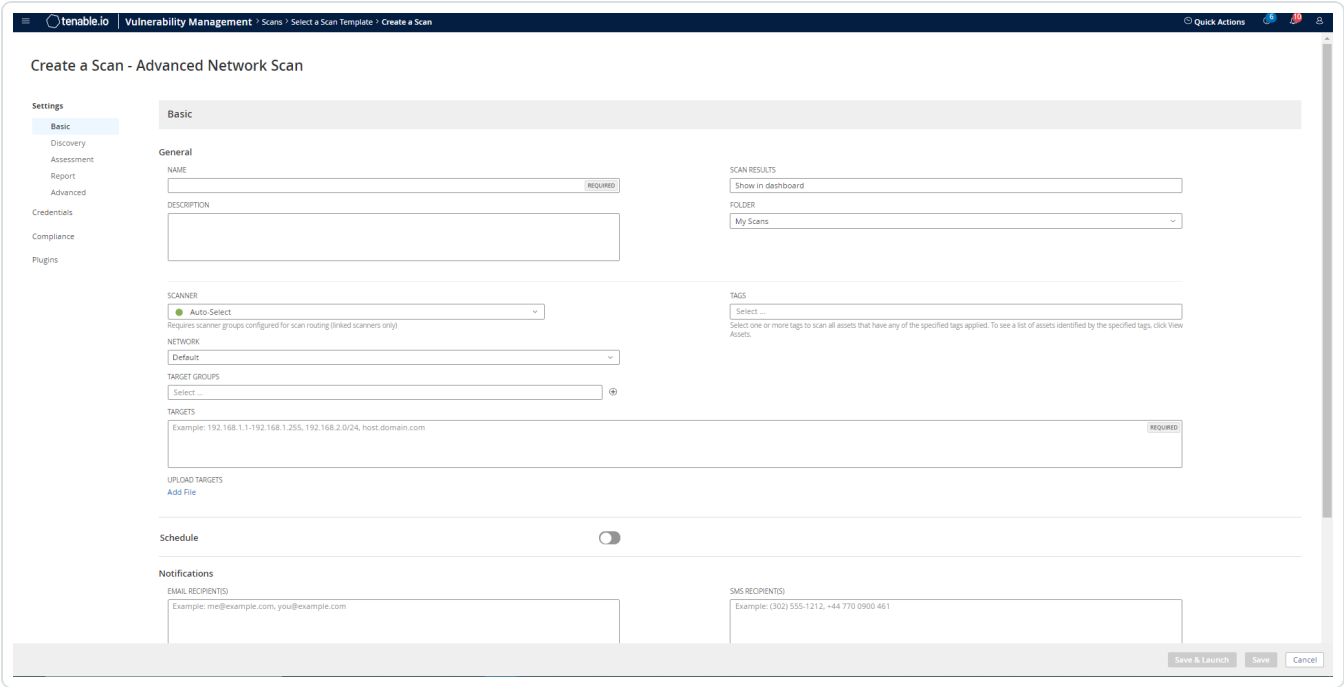


4. Select a scan template.

   The **Scan Templates** page appears.

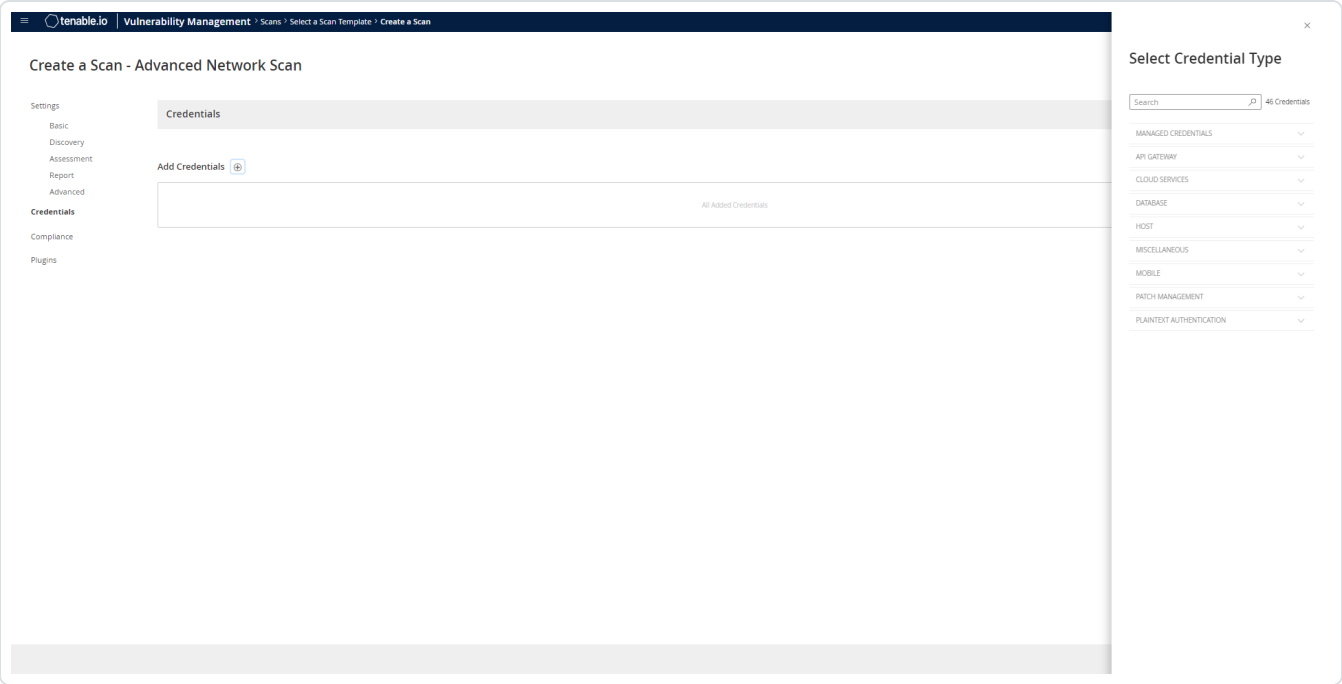


The scan configuration page appears.



5. In the **Name** box, type a name for the scan.
6. In the **Targets** box, type an IP address, hostname, or range of IP addresses.
7. (Optional) Add a description, folder location, scanner location, and specify target groups.
8. Click the **Credentials** tab.

   The Credentials options appear.



9. In the **Select a Credential** menu, select the **Host** drop-down.
10. Select **SSH**.

    The **Delinea** field options appear.
11. Configure each field for **SSH** authentication.

Option	Description	Required
Delinea Authentication Method	Indicates whether to use credentials or an API key for authentication. By default, **Credentials** is selected.	yes
Delinea Login Name	The username to authenticate to the Delinea server.	yes
Delinea Password	The password to authenticate to the Delinea server. This is associated with the Delinea Login Name you provided.	yes
Delinea API Key	The API key generated in the Secret Server user interface. This setting is required if the **API Key**	yes

	authentication method is selected.	
Delinea Secret Name	The value of the secret on the Delinea server. The secret is labeled **Secret Name** on the Delinea server.	yes
Delinea Host	The Delinea Secret Server host to pull the secrets from.	yes
Delinea Port	The Delinea Secret Server Port for API requests. By default, Tenable uses 443.	yes
Use Private Key	If enabled, uses key-based authentication for SSH connections instead of password authentication.	no
Checkout Duration	The duration Tenable should check out the password from Delinea. Duration time is in hours and should be longer than the scan time.	yes
Use SSL	Enable if the Delinea Secret Server is configured to support SSL.	no
Verify SSL Certificate	If enabled, verifies the SSL Certificate on the Delinea server.	no
Elevate privileges with	The privilege escalation method you want to use to increase users' privileges after initial authentication. Multiple options for privilege escalation are supported, including su, su+sudo and sudo. Your selection determines the specific options you must configure.	no
Custom password prompt	Some devices are configured to prompt for a password with a non-standard string (for example, "secret-passcode"). This setting allows recognition of these prompts. Leave this blank for most standard password prompts.	no

Targets to Prioritize Credentials	Specify IPs or CIDR blocks on which this credential is attempted before any other credential. To specify multiple IPs or CIDR blocks, use a comma or space-separated list. Using this setting can decrease scan times by prioritizing a credential that you know works against your selected targets. For example, if your scan specifies 100 credentials, and the successful credential is the 59th credential out of 100, the first 58 credentials have to fail before the 59th credential succeeds. If you use **Targets To Prioritize Credentials**, you configure the scan to use the successful credential first, which allows the scan to access the target faster.	no

12. Click **Save**.

Windows Integration

To configure Tenable with Delinea using Windows integration:

1. Log in to Tenable Vulnerability Management.
2. In the upper-left corner, click the ☰ button.

   The left navigation plane appears.
3. In the left navigation plane, click **Settings**.

   The **Settings** page appears.
4. Click the **Credentials** widget.

   The **Credentials** page appears. The credentials table lists the managed credentials you have permission to view.
5. Click the ⊕ button next to the **Credentials** title.

   The credential form plane appears.
6. In the **Host** section, click **Windows**.

   The selected credential options appear.
7. In the **Authentication Method** drop-down, select **Delinea**.

   The **Delinea** options appear.

8. Configure the **Delinea** credentials.

Option	Description	Required
Delinea Authentication Method	Indicates whether to use credentials or an API key for authentication. By default, **Credentials** is selected.	yes
Delinea Login Name	The username to authenticate to the Delinea server.	yes
Delinea Password	The password to authenticate to the Delinea server. This is associated with the Delinea Login Name you provided.	yes
Delinea API Key	The API key generated in the Secret Server user interface. This setting is required if the **API Key** authentication method is selected.	yes
Delinea Secret Name	The value of the secret on the Delinea server. The secret is labeled **Secret Name** on the Delinea server.	yes
Delinea Host	The Delinea Secret Server IP address for API requests.	yes
Delinea Port	The Delinea Secret Server Port for API requests. By default, Tenable uses 443.	yes
Delinea Password	The password to authenticate to the Delinea server. This is associated with the Delinea Login Name you provided.	yes
Checkout Duration	The duration Tenable should check out the password from Delinea. Duration time is in hours and should be longer than the scan time.	yes
Use SSL	Enable if the Delinea Secret Server is configured to	no

	support SSL.	
Verify SSL Certificate	If enabled. verifies the SSL Certificate on the Delinea server.	no

9. Click **Save**.