

Tenable.io for ForeScout

Introduction

This document describes how to configure Tenable.io™ for integration with ForeScout CounterACT. Please email any comments and suggestions to support@tenable.com.

The ForeScout CounterACT Vulnerability Assessment Integration Module allows Tenable.io's Nessus® scanner to integrate with ForeScout CounterACT to quickly identify and take action against vulnerable systems within your environment. The CounterACT Nessus Plugin allows CounterACT to trigger a Tenable.io vulnerability scan against new devices detected on the network. In addition, CounterACT can also notify Tenable.io about previously unknown systems that may contain vulnerabilities. Through predefined or customizable policies, CounterACT can direct Tenable.io to scan endpoints only if they meet certain criteria or are in violation of those policies. In return, Tenable.io provides vulnerability data to CounterACT, allowing it to take actions such as automatically quarantining vulnerable systems, remediating the findings and/or notifying a system administrator.

Benefits of integrating Tenable.io with ForeScout CounterACT include:

- Reduced security risk through faster, automated vulnerability scans of newly introduced systems on your network
- Improved efficiency by focusing vulnerability scans on newly detected systems and on systems that have changed since the last scan
- Increased ability to identify and eliminate vulnerable systems in hard to reach or unknown areas within your network

Integration Requirements

The following are required to integrate Tenable.io with ForeScout CounterACT:

- ForeScout CounterACT version 7.0.0 or higher
- ForeScout CounterACT Nessus Plugin - available for download at [ForeScout Customer Support Licensed Plugins](#) page (login required)
- ForeScout CounterACT Nessus Plugin Guide - available for download at [ForeScout Customer Support Portal](#) (login required)
- ForeScout VA Integration Module license - a 30-day demo license is included with the plugin install. For information on acquiring a permanent license or extending the demo license, please refer to the [ForeScout CounterACT Console User Manual](#) (login required).
- Tenable.io, with a “standard” account dedicated to ForeScout CounterACT integration

Communication Architecture

The Tenable-ForeScout solution can work using two different topologies: peer-to-peer or appliance proxy.

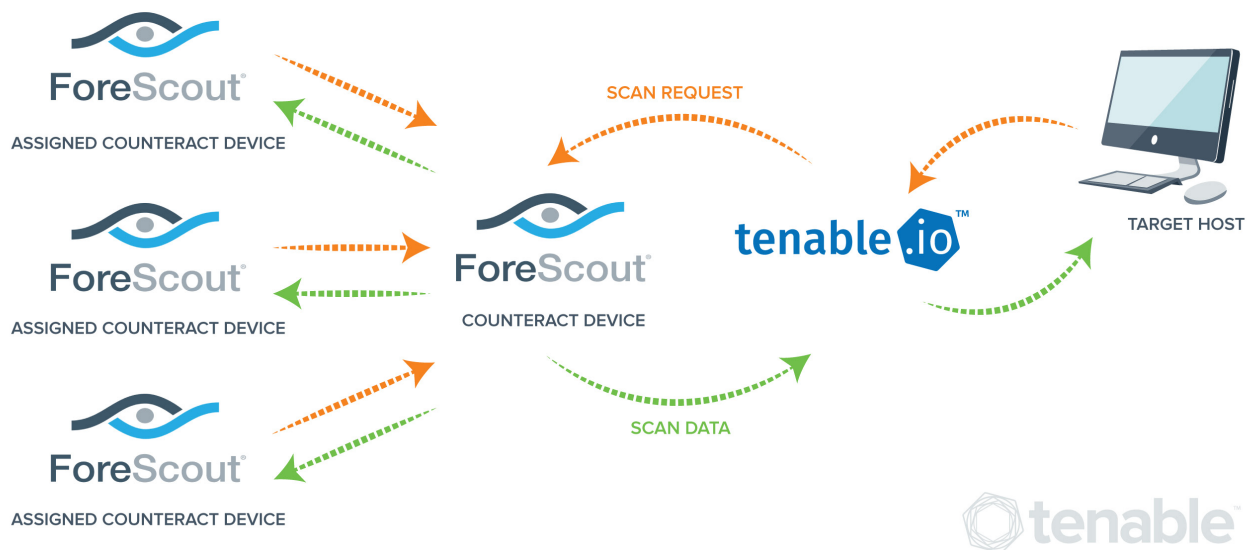
In the peer-to-peer design, a CounterACT appliance or virtual system communicates directly to an instance of Tenable.io. Only one instance of Tenable.io can be assigned to a CounterACT appliance or virtual system, so when using the peer-to-peer model, you will need a corresponding CounterACT system for each instance of Tenable.io.

Peer-to-Peer Topology



The appliance proxy design allows for multiple CounterACT systems to communicate with one instance of Tenable.io. In this model, one CounterACT system communicates directly with Tenable.io and acts as a proxy for the other assigned CounterACT systems. The proxy CounterACT system queues the scan requests from the assigned CounterACT systems and controls the number of requests sent to Tenable.io.

Appliance Proxy Topology





IP Address Range: The Tenable.io instance(s) must be configured to scan the same IP address range as the CounterACT devices assigned to it. To view the IP address range assigned to the CounterACT system, navigate to “Tools” > “Options” > “CounterACT Devices” in the CounterACT console. Double-click the device and select “IP Assignment.” The assigned IP ranges will be displayed in the right-hand pane.

Integrating with ForeScout CounterACT

Tenable.io Configuration

To create the dedicated account, log in to Tenable.io using a previously created administrator account, navigate to “Settings,” “Users” and click “**New User**” (highlighted below).

The screenshot shows the Tenable.io interface. The top navigation bar includes 'Dashboards', 'Scans', 'Reports', and 'Settings'. A search bar for 'Search Users' is present. The left sidebar shows 'SETTINGS' with 'About' and 'ACCOUNTS' with 'My Account', 'Users', and 'Groups'. The main content area is titled 'Users' and features a 'New User' button (highlighted with a red box). Below the button is a descriptive text and a table of existing users.

<input type="checkbox"/>	Name	Last Login	Last Failed	Total Failed	Role	
<input type="checkbox"/>	admin@tenable.com	06/02/16	Never	0	Administrator	×
<input type="checkbox"/>	admin@tenable.com	05/31/16	05/31/16	5	System Administrator	×
<input type="checkbox"/>	admin@tenable.com	05/08/16	05/04/16	3	Basic	×
<input type="checkbox"/>	admin@tenable.com	05/28/16	05/27/16	1	Standard	×

Enter an account “Username”, “Full Name”, “Email” and “Password.” Next, click the “Role” drop-down and select “Standard.” Click “Save” to finalize the settings.

The screenshot shows the Tenable.io interface for creating a new user. The left sidebar contains navigation options: SETTINGS (About), ACCOUNTS (My Account, Users, Groups). The main content area is titled 'New User' and includes a 'Back to Users' link. The form is organized into sections: 'Account Settings' (which is currently collapsed) and 'User Info'. The 'User Info' section contains the following fields: Username (ForeScoutUser@example.com), Full Name (ForeScout User), Email (ForeScoutUser@example.com), and Role (Standard). Below these is the 'Password' section, which includes a Password field with a 'Show' toggle and a strength indicator showing 'STRONG' with a green bar. At the bottom of the form are 'Save' and 'Cancel' buttons.



The Tenable.io username and password will be needed during the CounterACT configuration steps.

CounterACT Configuration

Before beginning the CounterACT configuration, you will need to download the CounterACT Nessus Plugin from [ForeScout Customer Support Licensed Plugins](#) (login required). Once the plugin has been downloaded, refer to the “**CounterACT Nessus Plugin Configuration Guide**” located at the [ForeScout Support Login](#) page (login required) to complete the integration configuration.

Once the configuration is completed, you will be able to retrieve Tenable vulnerability data for evaluating endpoint posture with CounterACT.

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 21,000 customers worldwide, organizations trust Tenable for proven security innovation. Tenable customers range from Fortune Global 500 companies, to the global public sector, to mid-sized enterprises 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.