Security Policy Templates version 20.0.6

What's New?

This section describes the templates provided in this release. In the Policy creation wizard, these templates are available under the *Vulnerability and Response* sub-folder in the *Templates* tree.

New templates:

- VR Ripple20
- VR Ripple20 Vulnerability Scanner

Ripple20

Multiple vulnerabilities have been discovered in a popular TCP/IP stack implementation known as *Treck*. Forescout Research Labs partnered with JSOF and used data from Forescout's unique Device Cloud to identify dozens of vendors that could potentially be affected. These vulnerabilities include *remote code execution*, *Out-of-bounds Write*, and *sensitive data exposure*. For more information and best practices see:

- cve.mitre.org_CVE-2020-11896–CVE-2020-11914 (19 vulnerabilities in total)
- Carnegie_Mellon_University_Vulnerability_Note
- Forescout_Blog:_Identifying_and_Protecting_Devices_Vulnerable_to_Ripple20

VR Ripple20

Policies you create with this template use both passive and active inspection methods to evaluate if devices are *potentially vulnerable*. If the VR Ripple20 Vulnerability Scanner is also running, the VR Ripple20 policies also detect which devices are *vulnerable*. Both managed and unmanaged endpoints are evaluated. No credentials are required to access endpoints.

Caution

Policies created with this template use Nmap scans, including Nmap OS detection scans to detect potentially vulnerable devices. If you have sensitive devices (for example, OT devices) in your environment, and you do not want to expose them to this type of scan, limit the policy scope by adding the sensitive devices to the Passive Learning group. For more information refer to the section on *Passive Management of Sensitive Endpoints* in the *Forescout Operational Technology Module Configuration Guide* and/or the section on the *Passive Learning Mode Template* in the *Forescout Administration Guide.*

Requirements

- CounterACT 8.0.0 or above.
- These policies use active inspection methods. Make sure to whitelist all scans originating from the Forescout platform in your next generation firewall, antivirus, and any other similar software.
- The Advanced Tools Plugin must be running.

Limitations

This policy might result some false positives and/or false negatives.

Best Practices

For optimal performance:

- Ensure proper network hygiene and isolation of highly sensitive information from external contact using the Forescout eyeSegment application and SilentDefense LAN CP (Forescout Operational Technology Module). For more information refer to the *Forescout eyeSegment Application How-to Guide* and the *Forescout Operational Technology Module Configuration Guide.*
- Configure your organization's firewall to allow ICMP MS SYNC traffic (type 165 and 166) to travel to and from CounterACT Appliances.
- Enable DHCPv6 on your CounterACT devices.

  On each CounterACT Appliance:

  a. Run this command: **`fstool dhclass set_property config.enable_reading_dhcpv6_packets.value 1`**

  b. Restart the DHCP Classifier Plugin.

For more information on best practices refer to the Forescout_Blog.

VR Ripple20 Vulnerability Scanner

This policy template detects devices that are *vulnerable* to the *Ripple20* vulnerabilities, and delivers this information into the *VR Ripple20* policy. Both managed and unmanaged endpoints are evaluated. No credentials are required to access endpoints.

Caution

Policies created with this template send malformed packets to endpoints in order to detect endpoints that are vulnerable to this type of attack. If you have sensitive devices (for example, OT devices) in your environment, and you do not want to expose them to this type of inspection, limit the policy scope by adding the sensitive devices to the Passive Learning group. For more information refer to the section on *Passive Management of Sensitive Endpoints* in the *Forescout Operational Technology Module Configuration Guide* and/or the section on the *Passive Learning Mode Template* in the *Forescout Administration Guide.*

Requirements

- CounterACT 8.0.0 or above.
- These policies use active inspection methods. Make sure to whitelist all scans originating from the Forescout platform in your next generation firewall, antivirus, and any other similar software.
- The Advanced Tools Plugin must be running.
- VR Ripple20 must be running. If you are running the 20.0.6 Early Availability version of VR Ripple20, redeploy the Ripple20 policy after downloading this module.

Limitations

This policy might result some false positives and/or false negatives.

About Security Policy Templates

Security Policy Templates is a Content Module that uses existing Forescout functionality to detect, evaluate and respond to vulnerabilities and threats - speeding and simplifying your network response. When this module is installed, templates are available in the Policy view of the Console under the *Vulnerability and Response* sub-folder in the *Templates* tree. Security Policy Templates are named according to the format - *VR <vulnerability name>*. To work with these templates, it is recommended to:

- Read the release notes, and review policy logic in the Console's Policy view.
- Enable/add mitigation actions to generated policies.

For details of working with Forescout policies, see the *Forescout Administration Guide*.

Review and understand the detection/logic model provided by Forescout in these templates before you add or edit rules, or make more extensive customizations.

For details about individual policy templates, see the *Security Policy Templates Configuration Guide*.

Requirements for Security Policy Templates

In addition to the requirements in this section, see the requirements for each template you wish to implement.

General:

- Windows Vulnerability DB 18.0.1 or above. Windows Vulnerability DB 18.0.5 or above to work with the VR CredSSP template.
- Windows PowerShell scripts must be allowed to run on Windows managed endpoints running Windows 7, Windows 20XX Server or above for working with VR Foreshadow, VR Meltdown and VR Spectre templates.

- To run policy actions on endpoints with SecureConnector installed, SecureConnector must be running as a service. When using the *Potentially Vulnerable - Latest Security Patches not Installed* sub rule on endpoints with dissolvable SecureConnector installed, it is recommended to run SecureConnector as an administrator.
- To run policy actions on endpoints with Remote Inspection, the user must have administrator privileges.
- To create policies that classify the network into CounterACT groups, make sure that either a Primary Classification or an Asset Classification policy is running on relevant endpoints, and The Add to Group actions in the classification policy are enabled.
- To take advantage of more precise classification profiles, create and run Primary Classification policies instead of Asset Classification policies.

Compatibility

- For information about the vendor models (hardware/software) and versions (product/OS) that are validated for integration with this Forescout component, refer to the Forescout Compatibility Matrix.

If you are working with CounterACT 8.0, Forescout 8.1, or Forescout 8.2:

- Networking Module version 1.0 with the following components running:
  - Wireless Plugin for working with VR WPA2 KRACK and VR Cisco IOS/IOS-XE security templates.
  - VPN Concentrator for working with VR ASA security templates.
  - Switch Plugin for working with VR Cisco IOS/IOS-XE or VR CDP security templates.
- Endpoint Module version 1.0 with the following components running:
  - Linux Plugin for working with VR Intel SA-00075 AMT/ISM/SBT, VR Intel SA-00086 ME/SPS/TXE, and VR AMDflaws security templates.
  - OS X Plugin for working with VR macOS High Sierra Admin Bypass and VR AMDflaws security templates.
- Core Extensions Module version 1.0 with the Advanced Tools Plugin installed and running.

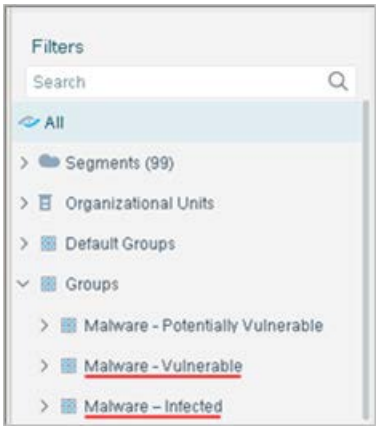
If you are working with CounterACT 7.0.0:

- An active Maintenance Contract for CounterACT devices is required.
- Wireless Plugin 1.5.1 or above must be installed and running to work with VR Cisco IOS/IOS-XE security templates.
- Switch Plugin 8.7.3 or above must be installed and running to work with VR Cisco IOS/IOS-XE or VR CDP security templates.
- Wireless Plugin 1.7.0.2009 or above is required for working with VR WPA2 KRACK security templates.
- VPN Concentrator Plugin 4.0.6 or above installed and running for working with VR ASA security templates.

- Linux Plugin version 1.1.0 or above installed and running for working with VR Intel SA-00075 AMT/ISM/SBT, VR Intel SA-00086 ME/SPS/TXE, and VR AMDflaws security templates.
- OS X Plugin version 1.2.0 or above installed and running for working with VR macOS High Sierra Admin Bypass and VR AMDflaws security templates.
- Advanced Tools Plugin version 2.2.0.1 or above installed and running.

Tracking Vulnerable and Infected Endpoints

To let you track infected and vulnerable endpoints for further handling, policies assign endpoints to Forescout groups based on policy evaluation. The plugin creates the Malware-Vulnerable and Malware-Infected groups and parallel Inventory views. In addition, specific policies may create other groups.



Known Issues

This section describes known issues for this release.

Issue	Description
SPT-107	AMD has not provided a patch for the vulnerabilities at this time. However, since the detection for the vulnerability is done by CPU type, the vulnerability will be reported as a false positive once the patch is available and has been applied.
SPT-119	Some Vulnerability and Response policies have a high CPU consumption when activated. CounterACT users should take this into account.
SPT-127	The Wireless plugin does not report IOS version for Cisco Wireless Controllers (WLC). As a result, WLCs are not detected as vulnerable by the VR Cisco IOS/IOS-XE. Workaround: WLC can be found vulnerable by checking the vulnerability state of Lightweight Access Points.
SPT-377	If you are working with CounterACT **7.0.0 service pack 3.0.2.5**, CounterACT **8.0.1.2**, or Forescout **8.1.2.3**, the following policy templates are not deployable: VR Cisco RV, VR Citrix, VR Exim, VR GoAhead, VR IoT Reaper, VR Jira, VR Mirai, VR PHP, VR VPNFilter Malware. For more information and assistance, please contact Forescout Customer Care.

Installation

Before installing the latest Security Policy Templates, make sure you have installed all the required dependencies, for example, the Windows Vulnerability DB.

> *To benefit from the updated policy templates provided in this release, it is recommended to remove previously created policies from CounterACT and create and activate new policies based on this release.*

If you are working with CounterACT 8.0 or above:

To install the module:

1. Navigate to one of the following Forescout download portals, depending on the licensing mode your deployment is using:
   - Product Updates Portal - ***Per-Appliance Licensing Mode***
   - Customer Portal, Downloads Page - ***Flexx Licensing Mode***

   To identify your licensing mode, select **Help > About ForeScout** from the Console.
2. Download the module **`.fpi`** file.
3. Save the file to the machine where the Console is installed.
4. Log into the Console and select **Options** from the **Tools** menu.
5. Select **Modules**. The Modules pane opens.
6. Select **Install**. The Open dialog box opens.
7. Browse to and select the saved module **`.fpi`** file.
8. Select **Install**. The Installation screen opens.
9. Select **I agree to the License Agreement** to confirm that you have read and agree to the terms of the License Agreement and select **Install**. The installation cannot proceed unless you agree to the license agreement.

   > *The installation begins immediately after selecting Install and cannot be interrupted or canceled.*

   > *In modules that contain more than one component, the installation proceeds automatically one component at a time.*

10. When the installation completes, select **Close** to close the window. The installed module is displayed in the Modules pane.

    > *Some components are not automatically started following installation.*

If you are working with CounterACT 7.0.0:

To install the plugin:

1. Navigate to the Product Updates Portal, Base Plugins page and download the plugin `.fpi` file.
2. Save the file to the machine where the CounterACT Console is installed.
3. Log into the CounterACT Console and select **Options** from the **Tools** menu.
4. Select **Plugins**. The Plugins pane opens.
5. Select **Install**. The Open dialog box opens.
6. Browse to and select the saved plugin `.fpi` file.
7. Select **Install**.
8. An installation or upgrade information dialog box and a license agreement dialog box will open. Accept the license agreement to proceed with the installation.
9. Once the installation is complete, select **Close**. The plugin is listed in the Plugins pane.

Contact Information

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About the Documentation

- Refer to the Technical Documentation page on the Forescout website for additional documentation: https://www.Forescout.com/company/technical-documentation/
- Have feedback or questions? Write to us at documentation@forescout.com

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