BigFix

Known Exploited Vulnerabilities Content Pack Add-on User Guide

Special notice

Before using this information and the product it supports, read the information in Notices *(on page x)*.

Edition notice

This edition applies to BigFix version 11 and to all subsequent releases and modifications until otherwise indicated in new editions.

Contents

Chapter 1. CISA Known Exploited Vulnerabilities: Overview

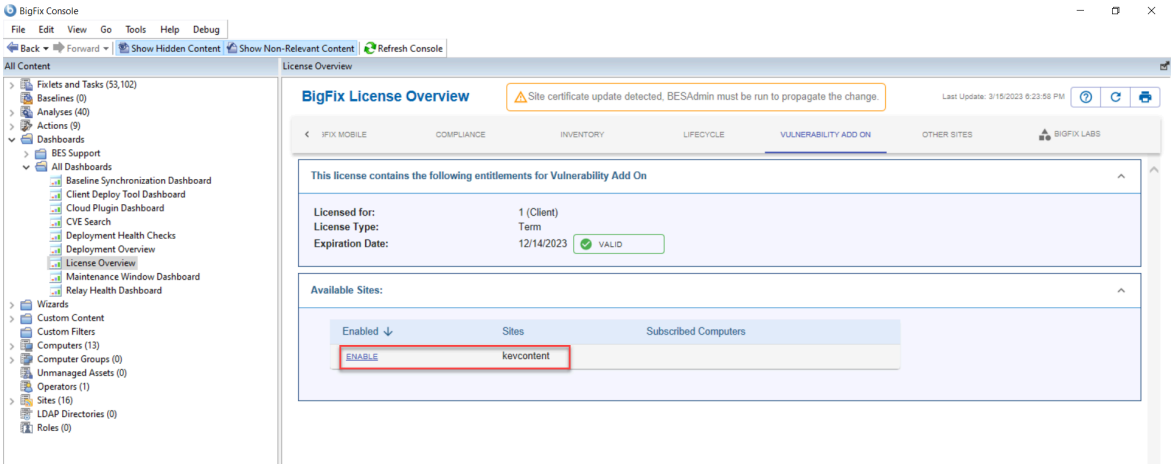
The Known Exploited Vulnerabilities (KEV) Content Pack is available as an **add-on** for BigFix. It is a collection of BigFix Fixlets that is derived from extensive research of the CISA KEV catalog, NVD, and Vendor Advisories. This KEV Content Pack provides BigFix operators with the ability to quickly identify endpoints with vulnerabilities that are high-risk and time-sensitive given that they are known to have been exploited or are actively being exploited.

The KEV Content Pack focuses on vulnerabilities associated with the devices that are in-scope for BigFix. For a list of supported CVEs, refer to BigFix Wiki at BigFix Known Exploited Vulnerabilities (KEV) Content Pack.

Chapter 2. Enable BigFix KEV Content Pack Site

This topic provides instructions on how to enable the Known Exploited Vulnerabilities (KEV) Content Pack and subscribe computers to the site.

1. In the License Overview Dashboard navigate to the **Vulnerability Add On** domain.
2. In the site list, find the **kevcontent** site and click **Enable**. The site gets enabled.

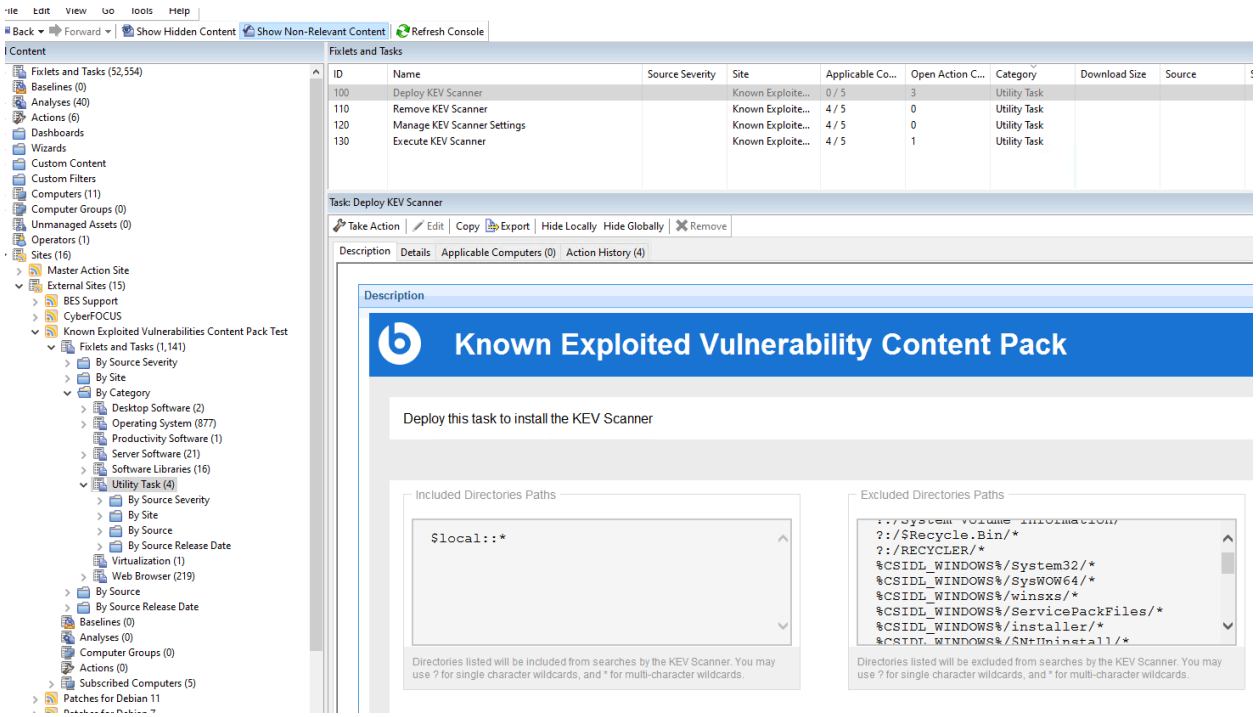


3. To subscribe computers to the site, click the site name.
4. From the **Computer Subscriptions** tab, indicate which subset of your BigFix Client computers you want to subscribe to this site. Select a suitable option:
    - **All Computers**. Select this option to automatically subscribe all Clients to this site.
    - **No Computers**. Select this option if you are not yet ready to subscribe any computers.
    - **Computers which match the condition below**. Select this option to describe a set of criteria that must all evaluate to TRUE before a BigFix Client is subscribed. From the pull-down menu, you can select from dozens of properties to test for inclusion.

    For information on how to subscribe computers to the site, refer to Computer Subscriptions Tab.

Chapter 3. KEV Scanner Policy Action Management

BigFix provides four utility tasks to facilitate the deployment, execution, and configuration of the Known Exploited Vulnerabilities (KEV) Scanner. The KEV Scanner is necessary to identify certain CVEs (for more details on which CVEs require the KEV Scanner, refer to BigFix Wiki at BigFix Known Exploited Vulnerabilities (KEV) Content Pack).



- **Task 100**: Deploy KEV Scanner. This task is used to produce a policy action to deploy the KEV Scanner on endpoints in your environment.
- **Task 110**: Remove KEV Scanner. This task is used to remove the KEV Scanner and any artifacts on an endpoint.
- **Task 120**: Manage KEV Scanner Settings. This task is used to manage settings on an endpoint, where the KEV Scanner is deployed.
- **Task 130**: Execute KEV Scanner. This task is used to periodically execute the KEV Scanner on the endpoint.

Note: You can prevent the KEV Scanner from being executed on any device by applying the `KEV_Deny` client setting with the value as 1 on that device. For more information on client settings and how to apply them, refer to List of settings and detailed descriptions.

- **Included Directory Paths/Excluded Directory Paths**

  These are path wildcards that can be leveraged to direct the scanner on where or where not to search. These wildcard paths may leverage environment variables, ? for signal character matching, and * for zero or more character matching.

- **CPU Throttling Threshold**
  - This setting limits the CPU Utilization of the scanner on the endpoint to roughly a certain percentage of the CPU.
  - Default: 100

Chapter 4. CVE probe management

This topic provides instructions on how to enable the CVE Detection Probes for the target operating systems.

To minimize the impact of this content pack to the evaluation loop of our BigFix agent, a Probe Task has been developed for each type of operating system (Windows, Linux and MacOS) to enable the consolidation and scheduling of resource intensive vulnerability detection methodologies. You can deploy these probe tasks as policy actions, with a recommended interval of once per day.

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