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# Micro Focus Security ArcSight Load Balancer

Software Version: 8.0.0.1081.0

## Release Notes

Document Release Date: July 31, 2020

Software Release Date: July 31, 2020



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## Support

### Contact Information

<b>Phone</b>	A list of phone numbers is available on the Technical Support Page: <a href="https://softwaresupport.softwaregrp.com/support-contact-information">https://softwaresupport.softwaregrp.com/support-contact-information</a>
<b>Support Web Site</b>	<a href="https://softwaresupport.softwaregrp.com/">https://softwaresupport.softwaregrp.com/</a>
<b>ArcSight Product Documentation</b>	<a href="https://community.softwaregrp.com/t5/ArcSight-Product-Documentation/ct-p/productdocs">https://community.softwaregrp.com/t5/ArcSight-Product-Documentation/ct-p/productdocs</a>

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# Overview

ArcSight SmartConnector Load Balancer provides a “connector-smart” load balancing mechanism by monitoring the status and load of SmartConnectors. Currently, it supports two types of event sources and SmartConnectors. One distributes the syslog input stream to syslog connectors using TLS, TCP, or UDP protocol and the other downloads files from a remote server and distributes them to the file-based connectors. Note that the TLS protocol is supported for the SmartConnector for Syslog NG Daemon only.

Load Balancer ensures efficiency by distributing the load to a pool of SmartConnectors. Load Balancer supports high availability configuration with active and standby nodes. It distributes the events received to one or more SmartConnectors predefined in the SmartConnector pool.

Load Balancer is aware of the following information for SmartConnectors defined as the SmartConnector pool:

- **Availability (up or down)** - Load Balancer monitors SmartConnectors for availability. Events are not forwarded to a SmartConnector if it is not running (down). Instead, events are forwarded to the next available SmartConnector in the pool per the defined load-balancing algorithm rules.
- **SmartConnector Load** - CPU usage, memory usage, and queue drop rate for events.

For more information about downloading, installing and configuring the Security ArcSight SmartConnector Load Balancer application for use with event collection for ArcSight products, refer to the Load Balancer Configuration guide available on the [Micro Focus Community](#) page.

## What's New in this Release

Load Balancer 8.0.0.1081.0 includes the following capabilities:

- Ability to optionally change the default remote management user name and password values whenever the remote management credentials of connectors are changed. To change the credentials, you must update the `lbConfig.xml` configuration file by adding the following properties as `additionalParameters` under each destination of connector:  

```
<property key="username" value="newusername"/>  
<property key="password" value="newpassword"/>
```
- Java Runtime Environment is upgraded to version 8U252.
- Security vulnerability fixes.

## System Requirements

For details about hardware, software or platform, and SmartConnector requirements, refer to the [ArcSight Security Open Data Platform \(SODP\) Support Matrix](#) guide available on the [Micro Focus Software Community](#) page.

## SmartConnector Requirements

- SmartConnector 7.12.X or later
- SmartConnector for Syslog NG Daemon and file-based SmartConnectors

## Hardware Requirements

- CPU: 2 CPU X 4 Cores each (2 x Intel E5620, quad core, 2.4 Ghz or better)
- RAM: 16 GB
- Disk: 60 GB
- Number of network interfaces—1 Dedicated Gig Ethernet interface

**Note:** To achieve better performance, use a server with higher system specifications.

## Download Files

Download the 64-bit executable "ArcSightSmartConnectorLoadBalancer-8.0.0.1081.0.bin" and the Micro Focus SmartConnector Load Balancer Configuration Guide from the Support website - <https://softwaresupport.softwaregrp.com/>. When downloading the documentation zip file, create a folder for documentation (such as C:\ArcSight\Docs) and unzip the file in that folder.

For a successful Load Balancer installation, see the "Installing the Load Balancer" section, in the Micro Focus Security ArcSight SmartConnector Load Balancer Configuration Guide.

## Closed Issues

This release resolves the following issues:

Key	Description
CONLB-444	<p>Need to update the default Cipher Suites in Load Balancer Configuration to match the newer suites in connectors.</p> <p>Fix: Now, the default Cipher Suites for TLS connections have been updated to TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256 and TLS_RSA_WITH_AES_128_GCM_SHA256.</p>

## Open Issues

This release contains the following open issues:

**Note:** This table includes legacy issue from the ArcSight Installer.

Key	Description
CONLB-417	<p>When you upgrade Load Balancer while the services are still running, after the successful upgrade, the Load Balancer <code>arc_connlb</code> service does not start and displays an error message in the <code>lb.out.wrapper.log</code> even after you start the <code>arc_connlb</code> service manually.</p> <p><b>Workaround:</b> When you upgrade Load Balancer while the services are still running, the system displays a notification message to stop all the programs before continuing with the upgrade. However, it does not mention the specific services you need to stop. Perform the following steps to fix this issue:</p> <ol style="list-style-type: none"> <li>1. After you install Load Balancer as a service, before you upgrade, stop the <code>arc_connlb</code> service by using the following command: <pre># /etc/init.d/arc_connlb stop</pre> <p>or</p> <pre>service arc_connlb stop</pre> </li> <li>2. After Load Balancer is successfully upgraded, start the <code>arc_connlb</code> service by using the following command: <pre># /etc/init.d/arc_connlb start</pre> <p>or</p> <pre>service arc_connlb start</pre> </li> </ol>

## Known Limitations

### LoadBalancer null pointer exception.

When the LoadBalancer is being started, a `NullPointerException` may occur if the `lbConfig.xml` file does not contain a `<globalParameters>` section.

Workaround:

Before starting the LoadBalancer:

- Go to the `$ARCSIGHT_HOME/user/loadbalancer` and manually edit the following parameter in the `lbConfig.xml` file:

```
<globalParameters>
```



```
<properties/>  
</global Parameters>
```

**Note:** This can go anywhere in the xml but not in the middle of another parameter.

Refer to the section Starting LoadBalancer on the [SmartConnector Load Balancer 8.0.0.1081.0 Configuration Guide](#).

[CONLB-485]

## Upgrading to Version 8.0.0.1081.0

Perform the following steps to upgrade to Load Balancer 8.0.0.1081.0:

1. Download Load Balancer 8.0.0.1081.0 from <https://softwaresupport.softwaregrp.com/>.
2. Stop Load Balancer. If running in HA mode, stop Load Balancer on both hosts.

**Note:** Micro Focus does not support running mismatched versions of Load Balancer during the upgrade.

3. Move the existing current directory to 1.4.1 or 1.4.2.
4. Install Load Balancer 8.0.0.1081.0 in the same directory where you had the previous version installed. It will create a new directory for the current version.
5. Run the following command in the installation directory to move configuration and batch files to 8.0.0.1081.0:  
For 1.4.1 users: `cp -a 1.4.1/user current`  
For 1.4.2 users: `cp -a 1.4.2/user current`
6. If Load Balancer is running in HA mode, repeat the installation steps on the other host.
7. Start Load Balancer. If running in HA mode, start the primary instance first.

## Verify Your Upgrade Files

A digital public key is provided for you to use to verify that the signed software you received is indeed from a safe source, and has not been manipulated in any way by a third party.

Visit the following site for information and instructions:

<https://entitlement.mfgs.microfocus.com/ecommerce/efulfillment/digitalSignIn.do>

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**Feedback on Release Notes (Load Balancer 8.0.0.1081.0)**

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