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# Micro Focus ArcSight Management Center

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## Release Notes

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### 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://www.microfocus.com/documentation/arcsight/#gsc.tab=0">https://www.microfocus.com/documentation/arcsight/#gsc.tab=0</a>

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# About ArcSight Management Center

ArcSight Management Center (ArcMC), one of the Security Open Data Platform (SODP) family of products, is a centralized management tool that simplifies security policy configuration, deployment maintenance, and monitoring in an efficient and cost-effective way.

ArcMC offers these key capabilities:

- **Management and Monitoring:** A single management interface to administer and monitor ArcSight managed nodes, such as: Transformation Hub, Loggers, Collectors, Connectors, Connector Appliances, and other ArcMC instances.

The table below clarifies the management of ArcMC and Fusion ArcMC (part of the containerized ArcSight Suite as a component of the Fusion capability) instances:

	Manages	Doesn't Manage
- ArcMC	ArcMC	Fusion ArcMC
- Fusion ArcMC	ArcMC	Fusion ArcMC

- **Connector Deployment:** Remotely deploy and manage connectors across your network.
- **SmartConnector Hosting:** For the hardware appliance, ArcMC hosts SmartConnectors.

ArcMC includes these benefits:

- Rapid implementation of new and updated security policies
- Increased level of accuracy and reduction of errors in configuration of managed nodes
- Improves operational capabilities and lower total cost of ownership

## What's New in this Release

This version of ArcMC includes the following new features and enhancements:

- Resolved several security vulnerabilities, including log4j.
- Supported third-party platforms have been updated, including: RHEL 8.4, JRE 8u312, Apache Tomcat 9.0.54, Apache Web Server 2.4.51, Postgres 11.13, Open SSL 1.02za, Tzdata 2021a.
- Delivered ArcMC 3.0.0 Post Upgrade Fix - SaaS Phase 3 and vCHA delivery for SaaS release
- Miscellaneous resolved issues listed under [Closed Issues](#).

## More Information

For detailed information about ArcMC features and functionality, refer to the ArcMC Administrator's Guide, and other documentation, available from the [ArcSight Product](#)

[Documentation Community.](#)

# Technical Requirements

## For ArcSight Management Center

<b>Server</b>	<p>For software form factor:</p> <ul style="list-style-type: none"><li>• Red Hat Enterprise Linux (RHEL) 8.4, 8.2, 8.1, 7.9, 7.8, 7.7, 6.10.</li><li>• Additionally, for RHEL7.x installation of software ArcMC: See <a href="#">"Prerequisite for ArcMC Installation or Upgrade on RHEL 7.x" on page 10</a>.</li><li>• CentOS 8.2, 8.1, 7.9, 7.8, 7.7, 6.10.</li></ul> <p>For appliance upgrade: Red Hat Enterprise Linux 7.9, and 6.10.</p>
<b>Client System</b>	<ul style="list-style-type: none"><li>• Windows 7, 8, 10</li><li>• RHEL 6.10, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.9, 8.1, 8.2, 8.3, 8.4.</li></ul>
<b>CPU</b>	1 or 2 Intel Xeon Quad Core (or equivalent)
<b>Memory</b>	<ul style="list-style-type: none"><li>• 16 GB RAM</li><li>• 80 GB Disk Space (for software form factor)</li></ul>
<b>Supported Client Browsers</b>	<ul style="list-style-type: none"><li>• Microsoft Edge (version current as of release date)</li><li>• Firefox ESR (version current as of release date)</li><li>• Google Chrome (version current as of release date)</li></ul>
<b>Screen Resolution</b>	Optimal screen resolution is 1920x1200
<b>Hardware Models</b>	For upgraded deployments, all models C660x and C670X running RHEL 7.9, as well as models C65XX running on RHEL 6.10.

## For Managed ArcSight Products

Managed Node	Form Factor	Supported Product Versions	Certified Product Versions	Appliance Model
ArcMC	Software and Appliance	3.0.0 2.9.6 2.9.5 2.9.4 2.9.3.1 2.9.2 2.9.1 2.9.0	3.1.0	C6700 C6600
SmartConnector	Software	8.2 8.1 8.0	8.3	
Collector	Software	8.2 8.1 8.0	8.3	
Logger	Software and Appliance	7.2.x 7.1.1 7.1 7.0.1 7.0	7.2..1	L7700 L7600
Transformation Hub	Software	3.5 3.4 3.3 3.2	3.6	
ESM	Software	7.5 7.4 7.3 7.2 SP1 7.2	7.6	



# Installer Files

Micro Focus provides a digital public key for you to verify that the signed software you received is indeed from Micro Focus 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>

The installation package is available for download from the entitlements page at <https://entitlement.mfgs.microfocus.com>. The installer files for ArcSight Management Center 3.1.0 are named as follows:

- **For Software ArcMC:** ArcSight-ArcMC-3.1.0.<build\_number>.0.bin
- **Software installer for use remotely with the ArcMC Node Management as well as local upgrade:** arcmc-sw-<build\_number>-remote.enc
- **For ArcMC Appliance (Upgrade Only):** arcmc-<build\_number>.enc
- **ArcMC Agent Installer:** The ArcMC Agent installer for all appliance nodes, and all types of software nodes, is bundled with the ArcMC installer file. You may remotely install or upgrade the ArcMC Agent on a managed node directly from ArcMC, as follows:
- The installation of the ArcMC agent is performed when adding the nodes through Node Management (**Add Host** section). For more information refer to **Chapter 2: Software Installation / Installing the Arcsight Management Center Agent** in the ArcMC Administrator's Guide. For upgrading the agent on managed nodes check **Chapter 5: Managing Nodes / Updating (or Installing) the ArcMC Agent**.
- You can install or upgrade the ArcMC Agent remotely from a managing ArcMC on all managed appliance nodes (Logger Appliance, and ArcMC Appliance).
- You can install or upgrade the ArcMC agent for remotely managed software nodes which are ArcMC v2.2 and Logger v7.0 or later.

**Note:** The ArcMC Agent cannot be upgraded or installed remotely on earlier versions of ArcMC and Logger, nor for any software Connector Appliance managed node. For these node types, the manual installer is required and named ArcSight - ArcMCAgent-3.1.0.<build\_number>.0.bin.

## Prerequisite for ArcMC Installation or Upgrade on RHEL 7.x

Before installing or upgrading software ArcMC on Red Hat Enterprise Linux (RHEL) 7.X, you must modify the inter-process communication (IPC) setting of the `logind.conf` file.

### To modify the `logind.conf` file for RHEL 7.X:

1. Navigate to the `/etc/systemd` directory, and open the `logind.conf` file for editing.
2. Find the `RemoveIPC` line. `RemoveIPC` should be active and set to *no*. (Remove the `#` sign if it is there, and change the `yes` to `no` if appropriate. The correct entry is: `RemoveIPC=no`).
3. Save the file.
4. From the `/etc/systemd` directory, enter the following command to restart the `systemd-logind` service and put the change into effect: `systemctl restart systemd-logind.service`

After you have modified this setting and met any other prerequisites, you are ready to install software ArcMC.

# Upgrading ArcMC

Upgrade is supported from software ArcSight Management Center version 3.0.0 to software ArcSight Management Center 3.1.0. You should also upgrade any managed ArcMCs to version 3.1.0 as well.

## Upgrade Prerequisites

Be sure that you meet these prerequisites before upgrading to ArcMC 3.1.0.

- **OS Upgrade:** Upgrade the operating system on your appliance or host to a supported OS version *before* upgrading the ArcMC version. OS support and required OS upgrade file names are listed under [Technical Requirements](#).

**Note:** Because the latest OS includes important security updates, be sure to apply the OS upgrade even if you already upgraded the OS version to 6.10 or 7.9.

For instructions on how to apply an appliance OS upgrade (either remotely or locally), see the section on Upgrading ArcMC in the ArcMC Administrator's Guide.

**Note:** For OS upgrade files for a software ArcMC host, contact your host's vendor.

These instructions are for upgrading software ArcMC using a wizard in GUI mode. You can also upgrade your ArcMC from the command line in console mode, and in silent mode. For those instructions, refer to the Installation chapter of the ArcMC Administrator's Guide.

Remote upgrade is another method if the target ArcMC is managed by another ArcMC using the Node Management upgrade feature.

**Note:** As a recommendation, you should perform a backup of your current ArcSight Management Center configuration before upgrading to ArcMC 2.9.5. For more information see the **Managing Backups and Restores** section on the ArcMC Administrator's Guide.

### To upgrade to ArcSight Management Center 3.1.0:

1. Copy the required upgrade files to a secure network location.
2. Run these commands from the directory where you copied the ArcSight Management Center files:

```
chmod u+x ArcSight-ArcMC-3.1.0.<build_number>.0.bin
./ArcSight-ArcMC-3.1.0.<build_number>.0.bin
```

The installation wizard starts. Review the dialog box, and then click **Continue**.

3. Follow the prompts to upgrade. For your installation directory, choose your original ArcSight Management Center installation directory.
4. If you run the ArcSight Management Center software installer as a root user, then you need to specify an existing non-root user and a port through which ArcSight Management Center users will connect. If any port other than 443 (the default HTTPS port) is specified, then users will need to enter the port number in the URL they use to access ArcSight Management Center. When prompted, enter the user name of the non-root user and the HTTPS port number, and then click **Next**.
5. Follow the prompts to complete product initialization.
6. If you run the installer as a root user, specify whether to run ArcSight Management Center as a system service or as a process.

**Note:** Additionally, a few libraries are added using ldconfig. For a complete list of those libraries, see `/etc/ld.so.conf.d/arcsight_arcmc.conf` and `<install_dir>/current/arcsight/install/ldconfig.out`.

The upgrade is completed.

7. Click **Start ArcSight Management Now**, or click **Start ArcSight Management Center later**, and then click **Finish**.
8. If you deleted SMTP configurations files you can now open the **Configuration Management > All Subscriber Configurations** page and restore your SMTP configurations from your notes.

## Upgrading the ArcMC Agent

You should also upgrade the ArcMC Agent on all managed nodes that require the Agent for communication with ArcMC. For instructions on upgrading the ArcMC Agent on managed nodes, see the ArcMC Administrator's Guide.

## Closed Issues

The following issues were resolved in this release.

Issue	Description
409077	The virtual CHA can be used for One-click Deployment to deploy SmartConnectors in your environment.
393046	The ArcMC 3.0.0.3 patch remediated the log4j vulnerability, which was discovered in 2021.
338003	NTP was not working after doing an upgrade to Logger 7.2. The NTP will now work correctly.
329111	In some cases, in ARCMC fusion webpage in containerized 21.1 version would be frozen on the SystemAdmin page . This issue has been fixed.
325070	After more than one ADP license was imported, the containerized ARCMC SystemAdmin UI would display as blank. It will now display correctly.
242311	An issue has been resolved where ArcMC collector deployment would fail when /etc/hosts had mutiple Transformation Hub entries.
241388	Vulnerabilities have been remediated in the Treck TCP/IP stack.
241380	ArcMC device alert notification was only being sent on the very first time, but now works correctly.

## Known Limitations

ArcMC is known to have the following limitations.

Issue	Description
242313	The Host Status Exceptions page is not displaying the Transformation Hub rules <b>Workaround:</b> None available at this time.
237161	If there are connectors installed in the path /opt/arcsight/connector*/ ArcMC upgrade will fail.

# Open Issues

This release contains the following open issues. To address the issue, use the workaround if any is indicated.

Key	Description
41122 1	<p>In software ArcMC (only), the Kizad Logger CA signed certificate is not working.</p> <p><b>Workaround:</b></p> <ol style="list-style-type: none"><li>1. Stop the Apache process using <code>arcacd</code> commands.</li><li>2. Run the following command to verify that the Apache process has stopped. The output should be the value ZERO.</li></ol> <pre>ps -ef   grep "httpd.*-f.*httpd.conf"   grep -v grep   wc -l</pre> <ol style="list-style-type: none"><li>3. Make a backup of the bash script: <code>/current/arcsight/service/apache</code></li><li>4. Open the bash script in a text editor.</li><li>5. Locate the ELSE block of text.</li><li>6. In the ELSE block (only), remove or comment out the following lines:</li></ol> <pre>EXEC="\$APACHE_HOME/bin/httpd -f \$CONFIGFILE"</pre> <pre>STARTCMD="\$APACHE_HOME/bin/apachectl -f \$CONFIGFILE -k start -d \$APACHE_HOME" # -f httpd.conf file</pre> <ol style="list-style-type: none"><li>7. Replace the removed or commented lines with the following lines:</li></ol> <pre>EXEC="\$APACHE_HOME/bin/httpd -k start -f \$CONFIGFILE"</pre> <pre>STARTCMD="\$APACHE_HOME/bin/apachectl -k start -f \$CONFIGFILE -d \$APACHE_HOME" # -f httpd.conf file</pre> <ol style="list-style-type: none"><li>8. Start the Apache process, and then use the following command to verify that the Apache process is running. The output should be a value greater than 0.</li></ol> <pre>ps -ef   grep "httpd.*-f.*httpd.conf"   grep -v grep   wc -l</pre> <ol style="list-style-type: none"><li>9. If you already have a signed certificate, verify that the <code>server.pem</code> and <code>server.key</code> are present in the following location: <code>&lt;arcacd-path-install&gt;/current/local/openssl/private/</code></li></ol> <p>If you do not have a signed certificate, or the files are not present in the above location, generate the Certificate Signing Request again and then repeat Step 6.</p>
40921 2	<p>Some Transformation Hub instances that have been deployed successfully will not show up in ArcMC after it has been restarted.</p> <p><b>Workaround:</b> Remove and add back the problematic Transformation Hub to the ArcMC.</p>
40819 5	<p>When importing a hosts file on Fusion ArcMC the user is pointed to a log folder that does not match the Fusion ArcMC NFS.</p>

Key	Description
40819 4	When the Fusion license expires during a session, a spurious error message will be displayed: "Unable to retrieve CSRF token. Got status code:0". Click <b>OK</b> to dismiss this error.
38615 5	If Enrichment processors are enabled, please make sure that Generator ID is also enabled in order for enrichment to work correctly.
36302 2	For G10 Appliances with a 10G NIC, after a restore, the gateway information is not correctly configured.  <b>Workaround:</b> From the CLI, modify the IP address and gateway with the correct information. For reference, consult the ArcMC Admin Guide, section: "Configure a New IP Address".
36301 7	For G10 Appliances with a 10G NIC, after a restore, the gateway information of the IP is not correctly configured.  <b>Workaround:</b> From the CLI, modify the IP address with the correct information. For reference, consult the ArcMC Admin Guide, section: "Configure a New IP Address".
24360 8	After a product type ages out (Device Age-Out) there is no way for the user to restore the product type. If Device Tracking is disabled for a device product and the device ages out, then there is no way to revert to enable tracking for that device product.
24330 2	After SecureData FPE encryption is enabled, it should not be disabled. However, ArcMC permits the user to disable it. Doing so will leave the event output in an inconsistent state.  <b>Warning:</b> Do not disable SecureData FPE encryption once it has been enabled.
24161 5	Default port 514 must be changed to a non-privileged port when ArcMC is installed as non-root user
24070 0	ArcMC does not support the following logical operators for Transformation Hub rule creation: NOT DOESNOTCONTAIN
24043 1	On the Topology and Deployment view, the incorrect Alternate location icon is shown for Collectors. On the Deployment view the Alternate location icon is not shown on the legend.
24041 5	ArcMC stops Logger Appliance upgrades due to a 40 minute timeout.  <b>Workaround:</b> Increment the timeout variable in ArcMC before the Logger upgrade:  1. cd /\$ARCMC_HOME/userdata/arcmc  2. Create the logger.properties file if it does not exist.  3. Add a new entry node.upgrade.thread.timeout=10800 in logger.properties 3.1. The unit in seconds. 10800sec = 3hours  4. chown : logger.properties  5. chmod 660 logger.properties  6. Restart ArcMC.

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