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# Micro Focus ArcSight Management Center

Software Version: 2.9.4

## 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>
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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.
- **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:

- **Import/Export host CSV Format Update:** A new column connector container name has been added to the CSV file when importing or exporting hosts.
- **Device Status Report:** The device status report can now be exported in CSV format with the device list details.
- **EPS License Detailed Report:** Users can now export the EPS license detailed report in CSV format with EPS information per managed EPS licensed logger for the selected duration.

For more information about this release, review the following sections:

- ["Fixed Issues" on page 12.](#)
- ["Open Issues" on page 14.](#)

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) 6.10, 7.5, 7.6, 7.7, 8.1. Additionally, for RHEL 7.x installation of software ArcMC: See "<a href="#">Prerequisite for ArcMC Installation or Upgrade for RHEL 7.x</a>" on page 8.</li><li>• CentOS 6.9, 6.10, 7.4, 7.5, 7.6, 7.7, 8.1.</li></ul> <p>For appliance upgrade: Red Hat Enterprise Linux 6.10, 7.6, 7.7.</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.</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>• Internet Explorer 11</li><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 C550x and C650x running RHEL 6.10; all models C660x and C670X running RHEL 7.7.

## For Managed ArcSight Products

Managed Product	Software Form Factor	Hardware (Appliance)	ArcMC Agent Version Required
SmartConnector	v7.3.0 or later. Applies to software connectors running on ArcMC Appliance, Connector Appliance, Logger (L3XXX), or separate server.	N/A	ArcMC Agent is not required.
Logger	v6.2 or later.	v6.1 or later on models LX50X and LX60X	v2.71, v2.9.4
ArcMC	v2.2 or later.	v2.1 or later on models C650X, C660X and C670X.	v2.71, v2.9.4
Transformation Hub	v3.0 or later.	N/A	ArcMC Agent is not required
Collector	v7.7.0 or later.	N/A	ArcMC Agent is not required

## Installer Files

The installation package is available for download from the ArcMC 2.9.4 Software Depot at <https://entitlement.mfgs.microfocus.com>. The installer files for ArcSight Management Center 2.9.4 are named as follows:

- **For Software ArcMC:** `ArcSight-ArcMC-2.9.4.<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-2.9.4.<build\_number>.0.bin**.

## ArcMC Appliance OS Upgrade Files

The OS Upgrade files are available for download from the ArcMC 2.9.4 Software Depot at <https://entitlement.mfgs.microfocus.com>. The OS upgrade files for ArcSight Management Center 2.9.4 Appliance (only) are named as follows:

- **For Upgrade to RHEL 6.10: (C650x appliances)** `osupgrade-arcmc-rhel610-<timestamp>.enc`
- **For Upgrade to RHEL 7.7: (C660x appliances)** `osupgrade-arcmc-rhel77-<timestamp>.enc`.

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

## Prerequisite for ArcMC Installation or Upgrade for 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 2.90 to software ArcSight Management Center 2.9.4. You should also upgrade any managed ArcMCs to version 2.9.4 as well.

## Upgrade Prerequisites

Be sure that you meet these prerequisites before upgrading to ArcMC 2.9.4.

- **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 7.7.

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.

### To upgrade to ArcSight Management Center 2.9.4:

1. If you have previously configured SMTP for ArcMC, you must delete all SMTP configuration files before starting the upgrade. This step only applies if upgrading from ArcMC 2.8.1 or earlier.
  - a. Open the **Configuration Management > All Subscriber Configurations** page.
  - b. For all configurations of the type SMTP, click the **Name** link to open the configuration details. Make a note of the configuration. You will use this information to restore the SMTP configuration after the upgrade.
  - c. Then select the configuration and click **Delete**.
2. Copy the required upgrade files to a secure network location.

3. Run these commands from the directory where you copied the ArcSight Management Center files:

```
chmod u+x ArcSight-ArcMC-2.9.4.<build_number>.0.bin
```

```
./ArcSight-ArcMC-2.9.4.<build_number>.0.bin
```

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

4. Follow the prompts to upgrade. For your installation directory, choose your original ArcSight Management Center installation directory.
5. 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**.
6. Follow the prompts to complete product initialization.
7. 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.

8. Click **Start ArcSight Management Now**, or click **Start ArcSight Management Center later**, and then click **Finish**.
9. If you deleted SMTP configurations files in ["If you have previously configured SMTP for ArcMC, you must delete all SMTP configuration files before starting the upgrade. This step only applies if upgrading from ArcMC 2.8.1 or earlier."](#) on the previous page, 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.

# Fixed Issues

The following issues are fixed in this release.

Issue	Description
ARCMC-16128	Summary column was displaying the wrong measurement rule symbol, which didn't match the one entered when the rule was created. This is no longer happening.
ARCMC-15970	For G10 appliances, the network page under Administration > System Admin was not functioning correctly. The following issues have been resolved: <ul style="list-style-type: none"><li>• DNS changes were deleted after clicking Restart Network Services.</li><li>• NICs were not displayed in the NICs tab.</li><li>• Gateway changes were deleted after clicking Restart Network Services.</li></ul>
ARCMC-15917	When stopping, upgrading, or restarting the arcmc_agent process, the Logger Peer list did not display for the Loggers 7.0.0. This is no longer happening.
ARCMC-15912	For G10 appliances NICs were not being displayed in the NICs tab. This is no longer happening.
ARCMC-15883	When installing ArcMC 2.9.2 on RHEL 6.10 an error informing that the OS version was not supported was displayed. This has been fixed.
ARCMC-15881	After performing backup and restore, ArcMC displayed an IP address that was not the machine's correct IP. This is no longer happening.
ARCMC-15795	The non-English symbol displayed on User Management / compliance check UI report is no longer being displayed.
ARCMC-15753	ArcMC will support only TLS 1.2 out of the box.
ARCMC-12599	The <b>Add</b> button for Connectors and Collectors was disabled (Internet Explorer 11). This is no longer happening.
ARCMC-12282	In Internet Explorer 11, the Topology drill down view no longer freezes the application.

# Known Issues

ArcMC is known to have the following limitations.

ARCMC-14051	<p>Issue: ArcMC is showing run-time parameters page instead of connector parameters.</p> <p>Workaround: Log off and log back in to reset behavior or click another tab at the top, i.e. configuration etc, then go back to node management.</p>
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# Open Issues

This release contains the following open issues.

Issue	Description
ARCMC-16284	Issue: Export button not working on Edge and Internet Explorer.  Workaround: Use one of the other supported browsers (Firefox ESR, Google Chrome)
ARCMC-16282	Issue: Importing hosts not working on Edge and Internet Explorer.  Workaround: Use one of the other supported browsers (Firefox ESR, Google Chrome)
ARCMC-16161	Issue: When configuring a LoggerPool destination on the ArcMC, only 11 Loggers are taken even if more than 11 are attempted to be added.  Workaround: Go to Connector and run the ./runagentsetup and add additional Loggers.
ARCMC-16151	Issue: ArcMC cannot connect to Collector 7.14 and 7.15 after enabling FIPS mode on Collectors.  Workaround: None available at this time.
ARCMC-15844	Issue: ArcMC does not support the following logical operators for Transformation Hub rule creation:  NOT  DOESNOTCONTAIN  Workaround: Use the <b>NOT</b> and <b>contains</b> operators to support the <b>DOESNOTCONTAIN</b> operator.
ARCMC-13790	Issue: 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.  Workaround: None available at this time.

Issue	Description
ARCMC-13332	<p>Issue: Network IP address is not saved into the system.</p> <p>Workaround: Manually perform the "edit - save" function to save the network IP address before restoring.</p>
ARCMC-12847	<p>Issue: 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.</p> <p>Workaround: Do not disable SecureData FPE encryption once it has been enabled.</p>
ARCMC-12282	<p>Issue: In Internet Explorer 11 or Edge, the Topology drill down view can freeze the application.</p> <p>Workaround: Use the latest supported versions of Chrome or Firefox.</p>
ARCMC-11220	<p>Issue: On a freshly imaged ARI for ArcMC 2.60 or 2.70, when you restart the web process for the first time, you will have access to only System &amp; Admin page and no access to navigational menus.</p> <p>Workaround: If you have access only to System Admin page, restart the apps process on Process Status page. Once the apps process restarts and is running, restart the web process. You should now have access to all menus.</p>

Issue	Description
ARCMC-11140	<p>Issue: When choosing "Export" from the Node Management menu while viewing a feature other than Node Management, the page may remain blank or show a spinner indefinitely, although the export will succeed.</p> <p>Workaround: Select Node Management from the menu first, and after the page has loaded, click Export.</p>
ARCMC-10478	<p>Issue: After a product type ages out (Device Age-Out) there is no way for the user to get that product type back. 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.</p> <p>Workaround: None available at this time.</p>
ARCMC-2129	<p>Issue: When a Connector is managed by two ArcMCs and the two ArcMCs have different Content AUP's uploaded, multiple copies of the same Content AUP file are created in the user/agent/aup directory. This may cause large appliance backup files to accumulate, occupying disk space.</p> <p>Workaround:</p> <ol style="list-style-type: none"> <li>1. Manage the Connector from one ArcMC only OR have the Content AUP version uploaded on both ArcMCs.</li> <li>2. Manually delete the backup files that are not required.</li> </ol>



# Security Fixes

The following security fixes were implemented in this release.

<b>PSRT Case</b>	<b>Description</b>	<b>CVE</b>
28128	Stored XSS	CVE-2020-11838
33518	Path disclosure	CVE-2020-11840
33520	Information disclosure	CVE-2020-11841

Special thanks to ING Tech Poland, for responsibly disclosing these vulnerabilities.

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