

Cloudera Edge Management 1.5.1

Cloudera Edge Management Release Notes

Date published: 2019-04-15

Date modified: 2023-04-18

CLOUDERA

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What's new in Edge Flow Manager

Edge Flow Manager (EFM) enables you to manage, control, and monitor agents that are deployed on the edge devices in IoT implementations. You can use these agents to collect real-time data originating from the devices to create and push actionable intelligence and insights to the place of data origin.

Edge Flow Manager 1.5.1.0 is a feature release that contains new features, performance improvements, and bug fixes, including:

Depends On property descriptor

The functionality available in NiFi is now available in EFM Flow Designer as well. If there are dependent properties defined in the manifest, they will be shown / hidden according to their dependency relation.

Support access through Load Balancer/Proxy – EFM

When agents are behind Load Balancer/Proxy, EFM relies on the X-FORWARDED-HOST header to create absolute download URLs for the agents (flow, asset, and file transfer). Not all Load Balancers or Proxies support this header. To bypass the issue, EFM also sends a relative path so agents that have dedicated host configurations can safely construct absolute URLs. This is available in MiNiFi Java from 1.23.04 and it will be available in a future release of MiNiFi C++.

Push Assets to agents S3 integration - Session Token support

Now you can also use session tokens to configure AWS S3 access when the asset push functionality is targeting AWS S3. For more information, see [Using Asset Push command](#).

For information on bug fixes, see [Fixed issues](#).

Related Information

[Using Asset Push Command](#)

EFM download locations

Identify the Edge Flow Manager (EFM) repository location for your operating system and operational objectives.



Note: You must have credentials to download EFM files. Your download credential is not the same as the credential you use to access the support portal.

You can get download credentials in the following ways:

- Contact your Cloudera sales representative.
- View the Welcome email for your Edge Management account.
- File a non-technical case on the [Cloudera support portal](#) for our Support team to assist you.

For detailed system requirements, and supported processors for EFM, see *System requirements for EFM*.

Software	Location
EFM tar file	https://archive.cloudera.com/p/CEM/ubuntu20/1.x/updates/1.5.1.0/tars/efm/efm-1.5.1.0-25-bin.tar.gz
EFM zip file	https://archive.cloudera.com/p/CEM/ubuntu20/1.x/updates/1.5.1.0/tars/efm/efm-1.5.1.0-25-bin.zip
EFM Docker	<pre>docker login -u [***USERNAME***] -p [***PASSWORD***] container.repo.cloudera.com && docker pull container.repo.cloudera.com/cloudera/efm:1.5.1.0-25</pre>

Related Information

[System requirements for EFM](#)

Unsupported features

The following Edge Flow Manager (EFM) features are not supported by Cloudera.

As of today, EFM is not compliant with Federal Information Processing Standard (FIPS). However, it can be deployed and executed in FIPS enabled environments using a FIPS security provider like Bouncy Castle FIPS Keystore (BCFKS).

Fixed issues

Review the list of issues that are resolved in the latest Edge Flow Manager (EFM) release.

Fixed issues in EFM 1.5.1.0 include:

- EFM improperly fills in RPG/Input port id in JSON config publish (YAML is not affected)
- Processing issues when providing heartbeat in time period format on C++ agent side
- Manifest refresh fails for older MiNiFi C++ agent flow definitions
- In secure mode, the Executed By was not set for flow publish
- Implemented many additional small improvements and stability fixes

Known issues

Review the list of known issues of the latest Edge Flow Manager (EFM) release.

Known issues in EFM 1.5.1.0 include:

- Browser back navigation does not work in parts of the EFM web app.
- EFM repository usage views do not show data or can be inaccurate.
- Parameters are not properly escaped when resolved in JSON format publishing, which can result in malformed JSON on the agent side.
- There is a swagger limitation where the UI does not respond when large (1 MB+) JSON files have to be downloaded / shown. As a workaround, you can use curl or call the REST endpoints directly (bypassing swagger) as the endpoints themselves should perform well.