

Cloudera Edge Management 1.2.0

Cloudera Edge Management Release Notes

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What's new in Cloudera Edge Management

Cloudera Edge Management is an edge management solution made up of edge agents and an edge management hub. It manages, controls and monitors edge agents to collect data from edge devices and push intelligence back to the edge.

Cloudera Edge Management 1.2.0 is a minor release that contains performance improvements, bug fixes, and new features including:

EFM High Availability and Horizontal Scalability

The EFM server has been optimized to support a large number of MiNiFi agents, and it can be run as a cluster for high availability and horizontal scalability. For more information including instructions for running multiple EFM instances, see the section for setting up an EFM cluster.

Flow Imports and Exports

You can now migrate the Flow Designer flows from an existing EFM server to new EFM instances. It helps to share Flow Designer flows across organizations.

To enable this feature, REST API endpoints are added to EFM to support exporting and importing of Flow Designer flows.

Agent Manifest Resolution Strategy

EFM now supports the following strategies to resolve agent manifest at run time to allow the agents to be easily upgraded with additional capabilities:

- First In

This is the default manifest resolution strategy and binds an agent class to the first manifest reported for it.

- Last In

This strategy updates the associated manifest to the most recently reported by any agent associated with the specified class.

- Static

This strategy allows mapping of an agent class to a specific manifest ID.

For more information on agent manifest resolution strategy, see *Introduction to Agent Manifest Resolution Strategy*.

Related Information

[Managing Agent Manifest Resolution](#)

Unsupported Features

Some features exist within CEM 1.2.0, but Cloudera does not currently support these capabilities.

The technical preview or community driven features in CEM 1.2.0 includes:

| Component | Feature |
|---------------------------|--|
| EFM Server, MiNiFi Agents | Using the CoAP protocol for MiNiFi agent and EFM server communication. |

Fixed Issues

Summary of fixed issues for this release.

Fixed issues in this release include:

- Memory leak in ConsumeWindowsEventLog to PublishKafka flows
- InvokeHTTP - thread hung
- EFM only displays up to 10 classes in the deployment tab
- Connection labels not rendering correctly in FireFox
- Delete hot key does not work on FireFox following open/close of sidenav
- Prevent termination and connection of a relationship at the same time
- MiNiFi java cannot send heartbeat due to NoClassDefFoundError
- Knox Authentication token renewal fails in EFM
- MiNiFi C++ agent heartbeat interval not working for all values
- Processor validation errors are not updated correctly
- Handling of flow updates will fail to apply parameters for non-new agents
- Empty properties are incorrectly interpreted as parameters and invalid
- MiNiFi Java ignores heartbeat period
- Repo metrics seem to not be functioning
- Convert property to parameter Create Parameter dialog left open when routing away
- Deployment Agent Class Summary does not show failed updates
- Apply button becomes inactive after making changes
- Nifi to Agent S2S communication fails

Known Issues

Summary of known issues for this release.

Known issues in this release include:

- MiNiFi Java GetFile processor does not honor the 'Ignore Hidden File' property under certain conditions
- The EFM web UI does always behave predictably when using the browser "back" navigation button. It is recommended to use the in-app navigation buttons until this is addressed.
- Recent versions of browsers, including Chrome and Firefox, blocks HTTP, HTTPS, and FTP access to TCP port 10080 to prevent the ports from being abused in NAT Slipstreaming 2.0 attacks.

Workaround: In case of an error message saying could not connect to server in the browser, you need to change the port being used by EFM. You can set a different value for the `efm.server.port` property in the `efm.properties` file. You need to restart EFM for the change to be effective. The change also needs to be reflected on the agents to ensure proper communication.