

Cloudera Edge Management 1.2.1

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 1.2.1 is a maintenance release that contains performance improvements, bug fixes, and new features including:

- Support for RetryFlowFile processor for MiNiFi C++
- Support for MergeContent processor for MiNiFi C++
- New attributes introduced in ConsumeWindowsEventLog to add timezone information
- MiNiFi Java preserves NiFi properties overrides during flow updates

MiNiFi C++ Agent Updates

MiNiFi C++ agents will have periodic software updates made available independent of the CEM releases.

This section lists major features and updates for the independent CEM MiNiFi C++ Agent release.

November 16, 2020

CEM MiNiFi C++ Agent - 1.20.10 release includes:

- PutS3 processor to support sending data into AWS S3
- Improvements on the ListenHTTP processor
- Adding SNI information into raw TCP information during TLS handshake
- Adding support for FlowFile v3 format in MergeContent processor to keep payload and flow file attributes when sending data using InvokeHTTP
- Adding support for :format() expression language function on Windows hosts

October 14, 2020

CEM MiNiFi C++ Agent - 1.20.09 release includes:

- The content repository now uses an implementation based on RocksDB
- Fix on the security events caused by the agent when running on Windows
- Improvement on the memory footprint of the agent
- You can encrypt the sensitive properties of the MiNiFi C++ agent's configuration

Unsupported Features

Some features exist within CEM 1.2.1, but Cloudera does not currently support these capabilities.

The technical preview or community driven features in CEM 1.2.1 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:

- PublishKafka now penalizes flowfiles sent to failure
- InvokeHTTP triggers correctly when flowfiles are routed back to itself
- ConsumeWindowsEventLog now renders events with correct time format
- Leak kafka messages on failed send to broker
- Proper handling of running out of disk space
- Fixed TailFile generating empty flowfiles when used without delimiter
- Adjust handling of sensitive properties in property descriptors
- EFM displays all classes in the deployment tab when more than 10 classes exist
- Fixed an issue in which EFM could not publish to NiFi Registry when configured using bucket ID
- Parameters in EFM flow designer now work with a dot "." character in the name

Known Issues

Summary of known issues for this release.

Known issues in this release include:

- MiNiFi Java GetFile processor ignores 'Ignore Hidden File' property
- EFM metrics for connection queues can be inaccurate for single-node deployments
- EFM repository usage views do not show data or can be inaccurate
- EFM cannot talk to NiFi Registry over HTTPS if using TLS certificates that have international characters in the DN
- Browser back navigation does not work in parts of the EFM web app
- 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.