

NiFi Ingest

Software Version 12.1.0

Release Notes



Document Release Date: October 2018
Software Release Date: October 2018

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Many areas of the portal require you to sign in with a Software Passport. If you need a Passport, you can create one when prompted to sign in. To learn about the different access levels the portal uses, see the [Access Levels descriptions](#).

Contents

New in this Release 4

Resolved Issues 6

Documentation 7

New in this Release

This section lists the enhancements to NiFi Ingest version 12.1.0.

- The IDOL NiFi Ingest framework exposes IDOL Connectors as NiFi processors. Instead of installing an IDOL Connector and sending documents to a NiFi input port you can now add a processor to your NiFi dataflow and configure it through the NiFi interface. The following processors are available:
 - `GetFileSystem`: retrieve files from a file system.
 - `GetWeb`: retrieve web pages.
 - `GetSharePoint`: retrieve data from SharePoint and SharePoint Online.
 - `GetExchange`: retrieve data from Exchange and Exchange Online.

To use these processors, you must have a license for the corresponding IDOL connector (File System Connector, Web Connector, SharePoint Remote Connector, or Exchange Web Service Connector). The connectors are not provided in the IDOL NiFi Ingest package; you must download the package for the corresponding IDOL connector and add the connector to your NiFi instance. For more information about how to do this, refer to the IDOL NiFi Ingest documentation.

- A new controller service, named `DatabaseServiceImpl`, has been added to the IDOL NiFi Ingest framework. This provides an interface for NiFi Ingest processors to communicate with an external database. For example, you can configure your NiFi Ingest connectors to store state information for fetch tasks in an external database. This is necessary if you want to run an Apache NiFi cluster, so that the information is available to every node.
- A new controller service, named `IdolLicenseServiceImpl`, has been added. This provides a way for NiFi Ingest processors, such as the new NiFi Ingest connectors or the Education processor, to communicate with your IDOL License Server.
- A new processor, `UpdateAttributeFromMetadata`, has been added. This processor sets or updates the value of a FlowFile attribute based on the value of a document metadata field or field attribute. This is useful because FlowFile attributes can be referenced using NiFi expression language and used to customize the configuration of a processor. For example, you could customize the configuration of a media analysis processor for each FlowFile, based on the file type identified by KeyView.
- In the `MediaAnalysis` processor, you can specify a session configuration and XSL transform in the processor configuration, instead of providing paths to files. The "Media Server Configuration File" and "XSLT File" properties can also be customized using NiFi expression language to reference FlowFile attributes. This means that, by using the new `UpdateAttributeFromMetadata` processor, you can customize the values of these properties based on the values of document metadata fields such as the file format detected by KeyView.
- The `DocumentRegistryService` controller service can store information in an external database rather than in a datastore file. This is necessary if you want to run an Apache NiFi cluster, so that dependency information is available to each node in the cluster.

- You can download a single document, or the first 100 documents, from a queue in either IDX or XML format.

Resolved Issues

There were no resolved issues in NiFi Ingest version 12.1.0.

Documentation

The following documentation was updated for this release.

- *NiFi Ingest Online Help*