

Cloudera Flow Management 2.1.5

Cloudera Flow Management Reference

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CLOUDERA

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Property enhancements

You can use the Cloudera Manager Safety Valves feature to extend CFM components beyond the default properties exposed in Cloudera Manager. The following sections describe how to configure different types of property files generated and used by NiFi and NiFi Registry.

XML property enhancements

In order to configure xml property files, dot notation is leveraged in order to represent the actual schema for a given property file. This allows users to enhance or overwrite xml based properties in Cloudera Manager using. The structure for naming is as follows:

```
xml.<properties-type>.<entity>.<identifier>.class
xml.<properties-type>.<entity>.<identifier>.property.<property-value>
```

Supported properties types for NiFi are authorizers (authorizers.xml) and loginIdentityProviders (used in login-identity-providers.xml). For NiFi Registry supported types are authorizers and identityProviders.

The below property key/value example creates a user group provider entry into the authorizers file for NiFi:

```
Name: xml.authorizers.userGroupProvider.file-user-group-provider.class
Value: org.apache.nifi.authorization.FileUserGroupProvider

Name: xml.authorizers.userGroupProvider.file-user-group-provider.property
.Initial User Identity 2
Value: CN=localhost, OU=NIFI
```

This translates to the following entry in the generated authorizers.xml file:

```
<authorizers>
....
  <userGroupProvider>
    <identifier>file-user-group-provider</identifier>
    <class>org.apache.nifi.authorization.FileUserGroupProvider</class>
    <property name="Initial User Identity 2">CN=localhost, OU=NIFI</prop
erty>
  </userGroupProvider>
...
...
</authorizers>
```

Properties names that have spaces are supported and do not need to be escaped.

Bootstrap and Properties file enhancements

Both Bootstrap and Properties files can be enhanced using their respective safety valves (which are used to generate those respective files). The key and value can be entered using the property editor or as hadoop property styled XML.

Below is an example of Safety Valve enhancements for nifi.properties, which decreases default flow election wait time:

NiFi Node Advanced Configuration Snippet (Safety Valve) for staging/nifi.properties.xml

NiFi Node Default Group

Name: nifi.cluster.flow.election.max.wait.time

Value: 1 min

Description: Description

☐ Final

Show All Descriptions

View as XML

When entering safety valves be aware that if a property shares the same name as one already defined in CM it will override that value.

The NiFi Section for default values can be overridden using safety valves. These can be pasted in as needed using the View as XML link for nifi.properties.xml safety valve. See the *NiFi Documentation* for available property values and usages.

The NiFi Registry section for default values can be overridden using safety valves. These can be pasted in as needed using the View as XML link for nifi.registry.properties.xml safety valve. See the *NiFi Registry Documentation* for available property values.

Apache NiFi REST API Reference

See the Apache NiFi documentation to access the *Apache NiFi REST API documentation*.



Important: The Apache NiFi documentation is available both online and in the NiFi UI. The online documentation always shows the latest version of the NiFi documentation. There may be differences in the content compared to the version of NiFi you are using. You can access the documentation corresponding to the NiFi version you are using directly from the NiFi UI.

1. Launch the NiFi UI.
2. From the Global Menu, select Help Documentation .

Related Information

[Apache NiFi REST API documentation](#)

Apache NiFi RecordPath Guide

See the Apache NiFi documentation to access the *Apache NiFi RecordPath Guide*.



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Related Information

[Apache NiFi RecordPath Guide](#)

Apache NiFi Expression Language Guide

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[Apache NiFi Expression Language Guide](#)

Apache NiFi System Administrator Guide

See the Apache NiFi documentation to access the *Apache NiFi System Administrator's Guide*.



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Related Information

[Apache NiFi System Administrator's Guide](#)

Apache NiFi Developer Guide

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Apache NiFi Registry REST API

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2. From the Global Menu, select **Help** **Documentation** .

Related Information[Apache NiFi Registry System Administrator's Guide](#)