

## Adding a new data source and enrichment to LUX:

1) Follow PDK examples to Create Ingest plugin to connect to data source and parse data into LUXEvents

2) Copy plugin .jar file to `EngineMain/data/plugins/event_ingest_plugins`

3) Edit `EngineMain/data/conf/ingesters.xml` to add a line which loads the new ingest plugin definition.

```
<ingester_file>ingesters/weather.xml</ingester_file>
```

4) Add an ingester definition file to `EngineMain/data/conf/ingesters/weather.xml`

```
<ingester class="com.icgsolutions.lux.FooPlugin"
display_name="Foo_Data" idle_seconds="900.0"
dead_seconds="1200.0" maxeps="35.0">
  <stream_out>air</stream_out>
  <property name="test_property" value="property_value"/>
</ingester>
```

5) Create a rule form in the UI so we can write rules against the data

```
<?xml version="1.0" encoding="UTF-8"?>
<form name="air2" type="basic" xmlns="http://www.icgsolutions.com/lux/forms"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.icgsolutions.com/lux/form
http://www.icgsolutions.com/lux/form/luxform.xsd">  <description>add
description</description>
  <supportTimeRanges>true</supportTimeRanges>
  <streamName>air_stream</streamName>
  <template>air</template>
  <formFields dataType="NUMBER" fieldType="NORMAL" label="Humidity" name="example
property" operator="numOperator"
  path="/attributes/humidity" tooltip="example tool tip"/>
  </formSections>
</form>
```

6) Modify the rule form to make this new "Humidity" data available to analysts, simplifying rule writing

|            |    |    |  |
|------------|----|----|--|
| Humidity ▼ | >= | 50 | <a href="#">Add</a> <a href="#">Remove</a> |
|------------|----|----|--|

8) Create a rule based on the new "Humidity" attribute and assign an icon so we can monitor hits based on the specified criteria.