

Monitoring Status

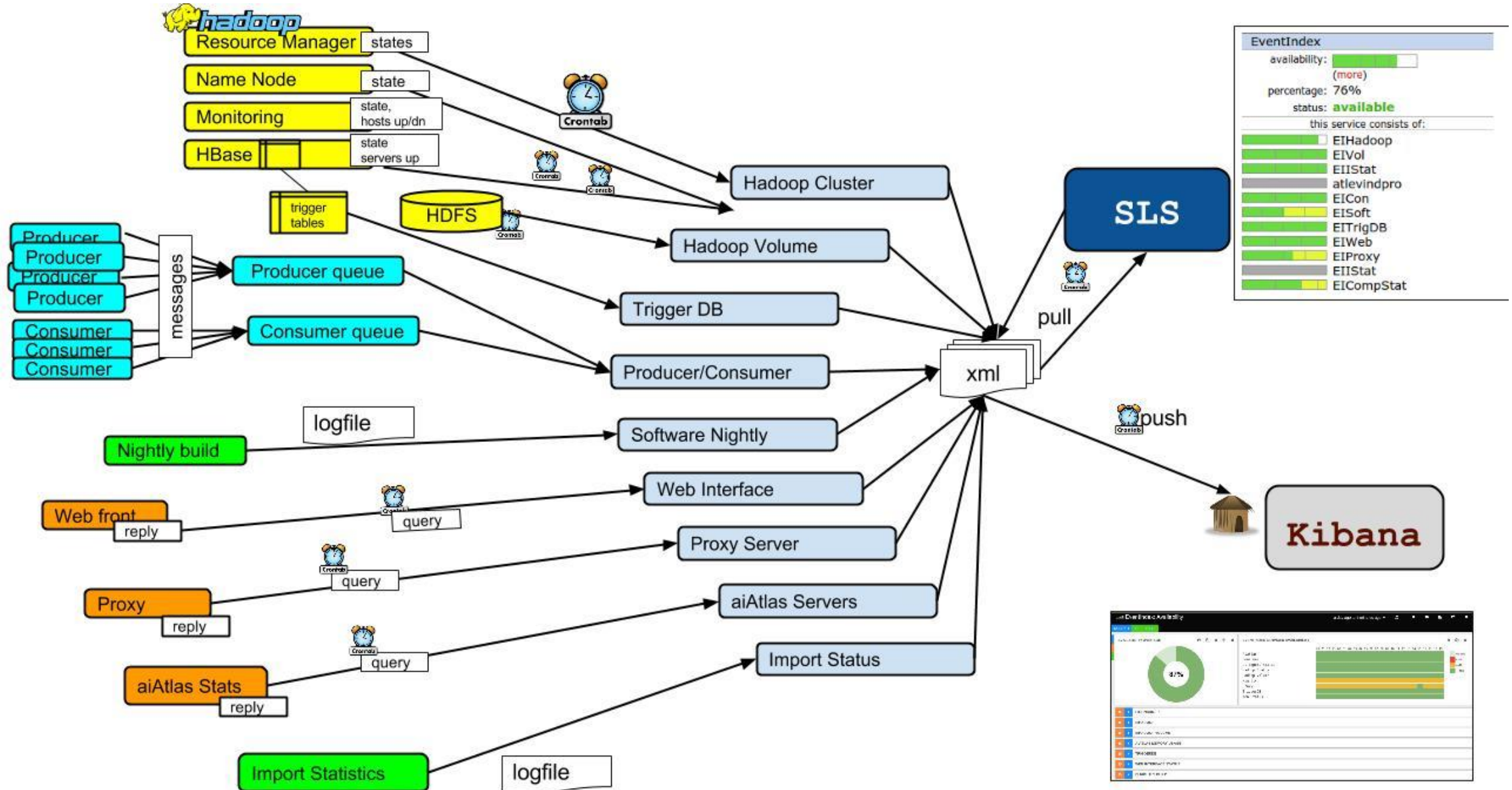
...and future development



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Monitoring Model



Simplest XML

```
<?xml version="1.0" encoding="UTF-8"?>
<serviceupdate>
  <id>atlevindID</id>
  <shortname>EIShortName</shortname>
  <fullname>EventIndex Service Name</fullname>
  <availability>100</availability>
  <availabilitydesc>Little description of the service</availabilitydesc>
  <availabilityinfo>Little description of how the availability will vary</availabilityinfo>
  <data>
    <numericvalue desc="metricName" name="variableName" timestamp="2015-06-22T19:49:25">Some Metric Number</numericvalue>
    ...
  </data>
  <timestamp>2015-06-22T19:49:32</timestamp>
  <notes>Notes about the metrics</notes>
</serviceupdate>
```

Example, Consumer Service

```
<?xml version="1.0" encoding="UTF-8"?>
<serviceupdate xmlns="http://sls.cern.ch/SLS/XML/update" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://sls.
SLS/XML/update http://sls.cern.ch/SLS/XML/update.xsd">
  <id>atlevindcon</id>
  <shortname>EIcon</shortname>
  <fullname>EventIndex Consumer</fullname>
  <availability>100</availability>
  <availabilitydesc>Consumed 59492 messages</availabilitydesc>
  <availabilityinfo>Availability info</availabilityinfo>
  <data>
    <numericvalue desc="Producer messages" name="nProdMessages" timestamp="2015-06-22T19:56:10">176027</numericvalue>
    <numericvalue desc="Consumed messages" name="nConsMessages" timestamp="2015-06-22T19:56:10">67839</numericvalue>
    <numericvalue desc="Consumer messages (from stats)" name="nConsMessagesStat" timestamp="2015-06-22T19:56:10">59492</numericvalue>
    <numericvalue desc="Unknown messages" name="nUnknownMessages" timestamp="2015-06-22T19:56:10">0</numericvalue>
    <numericvalue desc="Unknown consumer messages" name="nUnknownConMessages" timestamp="2015-06-22T19:56:10">0</numericvalue>
    <numericvalue desc="Producer data" name="prodSize" timestamp="2015-06-22T19:56:10">1844055990</numericvalue>
    <numericvalue desc="Consumer data" name="consSize" timestamp="2015-06-22T19:56:10">709360491</numericvalue>
    <numericvalue desc="Consumer data (from stats)" name="consSizeStat" timestamp="2015-06-22T19:56:10">622149985</numericvalue>
    <numericvalue desc="Consumer stats messages" name="messageNumber" timestamp="2015-06-22T19:56:10">57</numericvalue>
  </data>
  <availabilitythresholds>
    <threshold level="available">70</threshold>
    <threshold level="affected">40</threshold>
    <threshold level="degraded">0</threshold>
  </availabilitythresholds>
  <lemon>
    <host>atlas-mb.cern.ch</host>
  </lemon>
  <timestamp>2015-06-22T19:56:11</timestamp>
  <notes>Under construction</notes>
</serviceupdate>
```

Dashboards

- https://meter.cern.ch/public/_plugin/kibana/#/dashboard/temp/EventIndex::Availability

Next Work

- Obtain useful information from Consumer/Producer
- Obtain useful information from Importing Status
- Maybe HBase information?