

The below XML source code needs to be translated to Japanese

Create a Python script that does the following in an efficient way

- Identify titles/ labels / keywords from source XML (eg. Host, Host Timechart)
- Obtain Japanese translation for these keywords from the excel lookup
- Create a new XML with the Japanese translation
- In case a particular title is not matched in the lookup, the script should be capable of highlighting / identifying such places
- Save the new XML as per the naming convention <source XML name\_JP>

Note: The Python script has to do the vice versa for JP to EN translations

## XML #1

```
<dashboard>
  <label>Host</label>
  <row>
    <panel>
      <single>
        <title>Host</title>
        <search>
          <query>index="_internal" | top host</query>
          <earliest>-24h@h</earliest>
          <latest>now</latest>
          <sampleRatio>1</sampleRatio>
        </search>
        <option name="colorBy">value</option>
        <option name="colorMode">none</option>
        <option name="drilldown">none</option>
        <option name="height">250</option>
        <option name="numberPrecision">0</option>
        <option name="rangeColors">["0x53a051", "0x0877a6", "0xf8be34", "0xf1813f",
"0xdc4e41"]</option>
        <option name="rangeValues">[0,30,70,100]</option>
        <option name="showSparkline">1</option>
        <option name="showTrendIndicator">1</option>
        <option name="trellis.enabled">0</option>
        <option name="trellis.scales.shared">1</option>
        <option name="trellis.size">medium</option>
        <option name="trendColorInterpretation">standard</option>
      </single>
    </panel>
  </row>
</dashboard>
```

```

    <option name="trendDisplayMode">absolute</option>
    <option name="unitPosition">after</option>
    <option name="useColors">0</option>
    <option name="useThousandSeparators">1</option>
  </single>
</panel>
<panel>
  <chart>
    <title>Host Timechart</title>
    <search>
      <query>index="_internal" | timechart count by host</query>
      <earliest>-24h@h</earliest>
      <latest>now</latest>
      <sampleRatio>1</sampleRatio>
    </search>
    <option
name="charting.axisLabelsX.majorLabelStyle.overflowMode">ellipsisNone</option>
    <option name="charting.axisLabelsX.majorLabelStyle.rotation">0</option>
    <option name="charting.axisTitleX.visibility">visible</option>
    <option name="charting.axisTitleY.visibility">visible</option>
    <option name="charting.axisTitleY2.visibility">visible</option>
    <option name="charting.axisX.abbreviation">none</option>
    <option name="charting.axisX.scale">linear</option>
    <option name="charting.axisY.abbreviation">none</option>
    <option name="charting.axisY.scale">linear</option>
    <option name="charting.axisY2.abbreviation">none</option>
    <option name="charting.axisY2.enabled">0</option>
    <option name="charting.axisY2.scale">inherit</option>
    <option name="charting.chart">line</option>
    <option name="charting.chart.bubbleMaximumSize">50</option>
    <option name="charting.chart.bubbleMinimumSize">10</option>
    <option name="charting.chart.bubbleSizeBy">area</option>
    <option name="charting.chart.nullValueMode">gaps</option>
    <option name="charting.chart.showDataLabels">none</option>
    <option name="charting.chart.sliceCollapsingThreshold">0.01</option>
    <option name="charting.chart.stackMode">default</option>
    <option name="charting.chart.style">shiny</option>
    <option name="charting.drilldown">none</option>
    <option name="charting.layout.splitSeries">0</option>
    <option name="charting.layout.splitSeries.allowIndependentYRanges">0</option>
    <option name="charting.legend.labelStyle.overflowMode">ellipsisMiddle</option>
    <option name="charting.legend.mode">standard</option>
    <option name="charting.legend.placement">right</option>

```

```

    <option name="charting.lineWidth">2</option>
    <option name="trellis.enabled">0</option>
    <option name="trellis.scales.shared">1</option>
    <option name="trellis.size">medium</option>
  </chart>
</panel>
</row>
</dashboard>

```

## XML #2

```

<dashboard>
  <label>Sourcetype</label>
  <row>
    <panel>
      <chart>
        <title>Source Type by Area</title>
        <search>
          <query>index="_internal" | top sourcetype</query>
          <earliest>-24h@h</earliest>
          <latest>now</latest>
          <sampleRatio>1</sampleRatio>
        </search>
        <option
name="charting.axisLabelsX.majorLabelStyle.overflowMode">ellipsisNone</option>
        <option name="charting.axisLabelsX.majorLabelStyle.rotation">0</option>
        <option name="charting.axisTitleX.visibility">visible</option>
        <option name="charting.axisTitleY.visibility">visible</option>
        <option name="charting.axisTitleY2.visibility">visible</option>
        <option name="charting.axisX.abbreviation">none</option>
        <option name="charting.axisX.scale">linear</option>
        <option name="charting.axisY.abbreviation">none</option>
        <option name="charting.axisY.scale">linear</option>
        <option name="charting.axisY2.abbreviation">none</option>
        <option name="charting.axisY2.enabled">0</option>
        <option name="charting.axisY2.scale">inherit</option>
        <option name="charting.chart">area</option>
        <option name="charting.chart.bubbleMaximumSize">50</option>
        <option name="charting.chart.bubbleMinimumSize">10</option>
        <option name="charting.chart.bubbleSizeBy">area</option>

```

```
<option name="charting.chart.nullValueMode">gaps</option>
<option name="charting.chart.showDataLabels">none</option>
<option name="charting.chart.sliceCollapsingThreshold">0.01</option>
<option name="charting.chart.stackMode">default</option>
<option name="charting.chart.style">shiny</option>
<option name="charting.drilldown">none</option>
<option name="charting.layout.splitSeries">0</option>
<option name="charting.layout.splitSeries.allowIndependentYRanges">0</option>
<option name="charting.legend.labelStyle.overflowMode">ellipsisMiddle</option>
<option name="charting.legend.mode">standard</option>
<option name="charting.legend.placement">right</option>
<option name="charting.lineWidth">2</option>
<option name="trellis.enabled">0</option>
<option name="trellis.scales.shared">1</option>
<option name="trellis.size">medium</option>
</chart>
</panel>
<panel>
<table>
  <title>Top sourcetype</title>
  <search>
    <query>index="_internal" | top name</query>
    <earliest>-24h@h</earliest>
    <latest>now</latest>
  </search>
  <option name="drilldown">none</option>
</table>
</panel>
</row>
</dashboard>
```