Exploring New and Updated Control Flow Components

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Overview
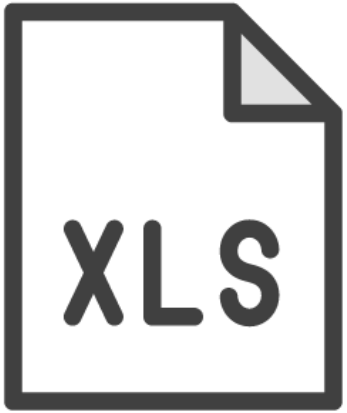
Excel Connection Manager

Analysis Services Components

XML Task

Hadoop Connection Manager and Tasks

Updated Excel Connection Manager

Excel 3.0

Excel 4.0

Excel 5.0

Excel 97 – 2003

Excel 2007 – 2010

Excel 2013

Excel 2016

Updated Analysis Services Components

Execute DDL Task
Use TMSL script to create objects or process tabular model

Processing Task
Select specific tables to process

Partition Processing Destination
Push changes into a tabular partition

Updated XML Task

```
                    ┌─────────────┐
                    │  XML Task   │
                    └─────────────┘
```

Valid XML   **Invalid XML**

```
<root…
    <metadata>
        <result>true</result>
        <errors>0</errors>
        <warnings>0</warnings>
  …  </metadata>
    <messages />
</root>
```

```
<root…
  <metadata>
    <result>false</result>
      <errors>1</errors>
      <warnings>0</warnings>
  …</metadata>
  <messages>
    <error line="5" position="26">
       The value 'xyz' is invalid
       according to its datatype
    </error>
  </messages>
</root>
```

Hadoop Control Flow Components

Connection Manager

WebHCat or WebHDFS

Hadoop File System Task

Copy data

Hadoop Hive Task

Run Hive script

Hadoop Pig Task

Run Pig Script

HDFS File Enumerator

Loop through files

Summary

Excel Connection Manager

Analysis Services Components

XML Task

Hadoop Connection Manager and Tasks