

Appendix A - Job POST with S3 XML Schema

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<?xml version= 1.0 encoding= UTF-8 ?>
<xs:schema xmlns:xs= http://www.w3.org/2001/XMLSchema >

<?xml version="1.0" encoding="UTF-8" ?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema">

  <!--Uuid-->
  <xs:simpleType name="Uuid">
    <xs:restriction base="xs:string">
      <xs:pattern value="[A-Fa-fo-9]{32}|(\{|\}|\(|\)|[A-Fa-fo-9]{8}-([A-Fa-fo-9]{4}-){3}[A-Fa-fo-9]{12}(\{|\})?"/>
    </xs:restriction>
  </xs:simpleType>

  <!--OnOff-->
  <xs:simpleType name="onOff">
    <xs:restriction base="xs:string">
      <xs:enumeration value="on"/>
      <xs:enumeration value="off"/>
    </xs:restriction>
  </xs:simpleType>

  <!--TrueFalse-->
  <xs:simpleType name="trueFalse">
    <xs:restriction base="xs:string">
      <xs:enumeration value="true"/>
      <xs:enumeration value="false"/>
    </xs:restriction>
  </xs:simpleType>

  <!--Pattern for Report-->
  <xs:complexType name = "ReportParameter">
    <xs:sequence>
      <xs:element name="ReportPath" type="xs:string" maxOccurs="1"/>
      <xs:element name="ReportType" maxOccurs="1">
        <xs:complexType>
          <xs:attribute name="xml" type="onOff" use="required"/>
          <xs:attribute name="pdf" type="onOff" use="required"/>
          <xs:attribute name="csv" type="onOff" use="required"/>
        </xs:complexType>
      </xs:element>
      <xs:element name="ReportName" maxOccurs="1">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="Name" maxOccurs="1">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="Base" type="xs:string"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
      <xs:element name="AdvancedReportPathInfo" minOccurs="0">
        <xs:complexType>
          <xs:sequence>
            <xs:element name="AwsS3PathInfo" minOccurs="0" maxOccurs="1">
              <xs:complexType>
                <xs:sequence>
                  <xs:element name="AwsS3PathType" type="xs:string" minOccurs="0" maxOccurs="1"/>
                  <xs:element name="AwsS3RegionType" type="xs:string" minOccurs="0" maxOccurs="1"/>
                </xs:sequence>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>

  <!--Pattern for Source-->
  <xs:complexType name = "SourceParameter">
    <xs:sequence>
      <xs:element name="Id" maxOccurs="unbounded">
        <xs:complexType mixed="true">
          <xs:sequence>
            <xs:element name="File" maxOccurs="unbounded">
              <xs:complexType>
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<xs:sequence>
  <xs:element name="Name" maxOccurs="1">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Base" type="xs:string"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:element name="Path" type="xs:string" maxOccurs="1"/>
  <xs:element name="AdvancedPathInfo" minOccurs="0">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="AwsS3PathInfo" minOccurs="0" maxOccurs="1">
          <xs:complexType>
            <xs:sequence>
              <xs:element name="AwsS3PathType" type="xs:string" minOccurs="0" maxOccurs="1"/>
              <xs:element name="AwsS3RegionType" type="xs:string" minOccurs="0" maxOccurs="1"/>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:sequence>
    <xs:element name="ReferenceTimecode" type="xs:string" minOccurs="0" maxOccurs="1"/>
  </xs:sequence>
  <xs:element name="Segment" minOccurs="0">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="SOM" type="xs:string" minOccurs="0" maxOccurs="1"/>
        <xs:element name="DUR" type="xs:string" minOccurs="0" maxOccurs="1"/>
        <xs:element name="EOM" type="xs:string" minOccurs="0" maxOccurs="1"/>
      </xs:sequence>
    </xs:complexType>
  </xs:element>
  <xs:attribute name="uuid" type="Uuid" use="required"/>
</xs:complexType>
</xs:sequence>
</xs:complexType>

<!--Pattern for Destination-->
<xs:complexType name = "DestinationParameter">
  <xs:sequence>
    <xs:element name="Id" maxOccurs="unbounded">
      <xs:complexType mixed="true">
        <xs:sequence>
          <xs:element name="File" maxOccurs="unbounded">
            <xs:complexType>
              <xs:sequence>
                <xs:element name="Name" maxOccurs="1">
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element name="Base" type="xs:string"/>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
                <xs:element name="Path" type="xs:string" maxOccurs="1"/>
                <xs:element name="AdvancedPathInfo" minOccurs="0">
                  <xs:complexType>
                    <xs:sequence>
                      <xs:element name="AwsS3PathInfo" minOccurs="0" maxOccurs="1">
                        <xs:complexType>
                          <xs:sequence>
                            <xs:element name="AwsS3PathType" type="xs:string" minOccurs="0" maxOccurs="1"/>
                            <xs:element name="AwsS3RegionType" type="xs:string" minOccurs="0" maxOccurs="1"/>
                          </xs:sequence>
                        </xs:complexType>
                      </xs:element>
                    </xs:sequence>
                  </xs:complexType>
                </xs:element>
              </xs:sequence>
            </xs:complexType>
          </xs:element>
          <xs:element name="Timecode" type="xs:string" minOccurs="0" maxOccurs="1"/>
          <xs:element name="StreamTagging" minOccurs="0" maxOccurs="1">
            <xs:complexType>
              <xs:sequence>

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        <xs:element name="Stream" minOccurs="0" maxOccurs="64">
            <xs:complexType>
                <xs:attribute name="number" type="xs:string" use="required"/>
                <xs:attribute name="languageTag" type="xs:string" use="required"/>
            </xs:complexType>
        </xs:element>
    </xs:sequence>
</xs:complexType>
</xs:element>
<xs:element name="ChannelTagging" minOccurs="0" maxOccurs="1">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Channel" minOccurs="0" maxOccurs="64">
                <xs:complexType>
                    <xs:attribute name="number" type="xs:string" use="required"/>
                    <xs:attribute name="channelTag" type="xs:string" use="required"/>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element name="Segment" minOccurs="0">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="SOM" type="xs:string" minOccurs="0" maxOccurs="1"/>
            <xs:element name="DUR" type="xs:string" minOccurs="0" maxOccurs="1"/>
            <xs:element name="EOM" type="xs:string" minOccurs="0" maxOccurs="1"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="uuid" type="Uuid" use="required"/>
</xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>

<!--Main-->
<xs:element name="Jobs">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Job" minOccurs="1" maxOccurs="unbounded">
                <xs:complexType>
                    <xs:sequence>
                        <xs:element name="Workflow">
                            <xs:complexType>
                                <xs:attribute name="uuid" type="Uuid" use="required"/>
                            </xs:complexType>
                        </xs:element>
                        <xs:element name="Source" type="SourceParameter" minOccurs="1" maxOccurs="1"/>
                        <xs:element name="Destination" type="DestinationParameter" minOccurs="0" maxOccurs="1"/>
                        <xs:element name="Report" type="ReportParameter" minOccurs="0" maxOccurs="1"/>
                    </xs:sequence>
                    <xs:attribute name="uuid" type="Uuid"/>
                    <xs:attribute name="title" type="xs:string"/>
                    <xs:attribute name="userFlag" type="xs:string"/>
                    <xs:attribute name="priority" type="trueFalse"/>
                    <xs:attribute name="version" type="xs:string" use="required"/>
                </xs:complexType>
            </xs:element>
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:schema>

```