



# **XML Examples for CDSM**

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## **CDSM-Examples**

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## **Chapter 1 - Introduction**

### **1.1 - Purpose**

This is an informative supplement for CDSM. This document provides concrete examples of XML files implementing CDSM elements and attributes.

Chapter 2 - Example Files

2.1 - CDSM\_TDO.xml

```
<?xml-model href="../../../Schematron/CDSM/CDSM_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?>
<?xml-model href="../../../Schematron/CDSM-TDF/CDSM-TDF_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?>
<?xml-model href="../../../Schematron/BASE-TDF/BASE-TDF_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?>
<?xml-model href="../../../Schematron/IC-SF/IC-SF_XML.sch" type="application/xml" schematypens="http://purl.oclc.org/dsdl/schematron"?>
<tdf:TrustedDataObject xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns:tdf="urn:us:gov:ic:tdf"
    xmlns:cdsm="urn:us:gov:ic:cdsmanifest"
    xmlns:sign="http://www.w3.org/2000/09/xmldsig#"
    xmlns:icsfhashv="urn:us:gov:ic:sf:hashverification"
    xmlns:icsf="urn:us:gov:ic:sf"
    xmlns="urn:us:gov:ic:tdf"
    xsi:schemaLocation="urn:us:gov:ic:tdf ../../../Schema/CDSM-TDF/CDSM-TDF.xsd urn:us:gov:ic:cdsmanifest ../../../Schema/
CDSM/CDSM.xsd urn:us:gov:ic:sf:hashverification ../../../Schema/IC-SF/HashVerification.xsd"
    tdf:version="202101-CDSM-TDF.202101">
  <tdf:Assertion tdf:scope="PAYL">
    <tdf:StructuredStatement>
      <cdsm:CdsManifestAssertion cdsm:DESVersion="202101" icsf:DESVersion="202101">
        <cdsm:Originator>Oracle</cdsm:Originator>
        <cdsm:Product>Java JDK 11 Linux</cdsm:Product>
        <cdsm:PayloadVersion>11.0.1</cdsm:PayloadVersion>
        <cdsm:CPE>cpe:/a:oracle:java_jdk_linux</cdsm:CPE>
        <cdsm:Arch>64-bit</cdsm:Arch>
        <icsfhashv:ContentEncodedHashVerification icsfhashv:hashType="SHA-256">
          <icsfhashv:TotalHash icsfhashv:blockSize="134217728" icsfhashv:totalBlocks="2">c630fcc7b1d225f50ebcca519b88c63189e1b3bfecba7e266b34bc1d4093e100</
icsfhashv:TotalHash>
          <icsfhashv:BlockHash icsfhashv:block="1">844fc3d6679cec3da7cf8ca5bb831e0f1770192ffff7a9549dec4e0f41b9d77b</icsfhashv:BlockHash>
          <icsfhashv:BlockHash icsfhashv:block="2">9cc0e4da217a8a2e5bbbc8505582752915c593e8edbd21b9a70ae1458163c4d7</icsfhashv:BlockHash>
        </icsfhashv:ContentEncodedHashVerification>
        <cdsm:VendorChecksum>
          <cdsm:MD5>eddcdd2f6f14cdb37ff4a10763c61898</cdsm:MD5>
          <cdsm:SHA256>844fc3d6679cec3da7cf8ca5bb831e0f1770192ffff7a9549dec4e0f41b9d77b</cdsm:SHA256>
        </cdsm:VendorChecksum>
        <cdsm:VirusScanList>
          <cdsm:VirusScan>
            <cdsm:ScanVendor>McAfee</cdsm:ScanVendor>
            <cdsm:ScanVersion>VSE8.88</cdsm:ScanVersion>
            <cdsm:SignatureDate>2019-01-17T09:00:00Z</cdsm:SignatureDate>
            <cdsm:ScanResult>clean</cdsm:ScanResult>
          </cdsm:VirusScan>
        </cdsm:VirusScanList>
      </cdsm:CdsManifestAssertion>
    </tdf:StructuredStatement>
  <tdf:Binding>
    <tdf:Signer tdf:subject="*.example.com" tdf:issuer="DNAnexus CA"/>
    <tdf:SignatureValue tdf:signatureAlgorithm="SHA256withRSA"
      tdf:normalizationMethod="http://www.w3.org/TR/xml-c14n11"
      tdf:includesStatementMetadata="false">
```

```
9506118b839dde42bb20baca7b717854d8d0eaa2f22fd4ddcc33ac84c225226f3470de3bb4983eb608a04cb0349a4f2d83f62a43f1aa9e192d0c34bf33dee712c8860e884942ab5bee2dfb01ecc4597958b84e5693ee41adc7b5fe71c27e9a928
f6def8d4e6f4d74195d7f1d232d6050176e070980ea02de15578d9a87398328</tdf:SignatureValue>
    </tdf:Binding>
</tdf:Assertion>
<tdf:ReferenceValuePayload tdf:uri="openjdk-11.0.1_linux-x64_bin.tar.gz"
    tdf:mediaType="application/octet-stream"/>
</tdf:TrustedDataObject>
```