




This document provides information about using Pesseract at the command line or using a BATCH file to process multiple XBRL instance documents and generate machine-readable output:

Name ^	Date modified	Type	Size
 BatchValidationOutput	10/31/2017 3:53 PM	File folder	
 ProcessSet.bat	4/9/2017 10:19 AM	Windows Batch File	1 KB
 ProcessSet_Instances.txt	6/27/2017 5:50 PM	TXT File	1 KB

Batch File Contents: ProcessSet.bat

```
"C:\Program Files (x86)\DigitalFinancialReporting\Pesseract\DFRCreator\pesseractbatch.exe" -
i:"D:\PesseractBatchProcessing\ProcessSet-Instances.txt"

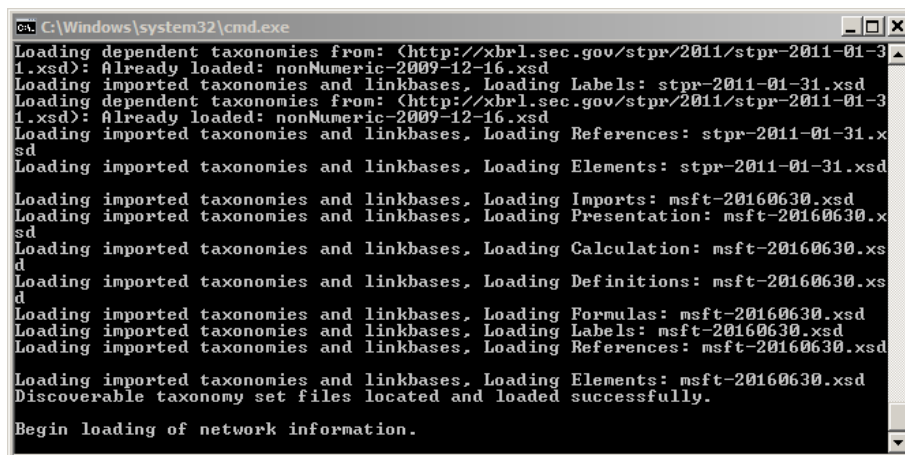
echo ON

echo Processing completed successfully!
```

Text file contents: ProcessSet_Instances.txt

```
http://www.sec.gov/Archives/edgar/data/789019/000119312516662209/msft-20160630.xml
http://www.sec.gov/Archives/edgar/data/320193/000162828016020309/aapl-20160924.xml
http://www.sec.gov/Archives/edgar/data/66740/000155837017000479/mmm-20161231.xml
http://www.sec.gov/Archives/edgar/data/1652044/000165204417000008/goog-20161231.xml
http://www.sec.gov/Archives/edgar/data/858877/000085887716000117/cSCO-20160730.xml
http://www.sec.gov/Archives/edgar/data/1635484/000114420417017430/cnnb-20161231.xml
```

Run the batch file



```
C:\Windows\system32\cmd.exe
Loading dependent taxonomies from: (http://xbrl.sec.gov/stpr/2011/stpr-2011-01-31.xsd): Already loaded: nonNumeric-2009-12-16.xsd
Loading imported taxonomies and linkbases, Loading Labels: stpr-2011-01-31.xsd
Loading dependent taxonomies from: (http://xbrl.sec.gov/stpr/2011/stpr-2011-01-31.xsd): Already loaded: nonNumeric-2009-12-16.xsd
Loading imported taxonomies and linkbases, Loading References: stpr-2011-01-31.xsd
Loading imported taxonomies and linkbases, Loading Elements: stpr-2011-01-31.xsd
Loading imported taxonomies and linkbases, Loading Imports: msft-20160630.xsd
Loading imported taxonomies and linkbases, Loading Presentation: msft-20160630.xsd
Loading imported taxonomies and linkbases, Loading Calculation: msft-20160630.xsd
Loading imported taxonomies and linkbases, Loading Definitions: msft-20160630.xsd
Loading imported taxonomies and linkbases, Loading Formulas: msft-20160630.xsd
Loading imported taxonomies and linkbases, Loading Labels: msft-20160630.xsd
Loading imported taxonomies and linkbases, Loading References: msft-20160630.xsd
Loading imported taxonomies and linkbases, Loading Elements: msft-20160630.xsd
Discoverable taxonomy set files located and loaded successfully.
Begin loading of network information.
```

Output: BatchValidationOutput subdirectory

Name ^	Date modified	Type	Size
📁 aapl-20160924	10/31/2017 3:52 PM	File folder	
📁 cnrb-20161231	10/31/2017 3:53 PM	File folder	
📁 csc0-20160730	10/31/2017 3:53 PM	File folder	
📁 goog-20161231	10/31/2017 3:52 PM	File folder	
📁 mmm-20161231	10/31/2017 3:52 PM	File folder	
📁 msft-20160630	9/3/2017 9:27 AM	File folder	
📄 Output_Summary.xml	10/31/2017 3:53 PM	XML Document	4 KB

One subdirectory: appl-20160924

Name ^	Date modified	Type	Size
📄 DisclosureDiscoveryTrace.log	10/31/2017 3:52 PM	Text Document	10 KB
📄 DisclosureMechanicsValidationTrace.log	10/31/2017 3:52 PM	Text Document	81 KB
📄 FACValidationTrace.log	10/31/2017 3:51 PM	Text Document	69 KB
📄 Messages.xml	10/31/2017 3:52 PM	XML Document	20 KB
📄 report.xml	10/31/2017 3:52 PM	XML Document	12,559 KB
📄 report_facttable.xml	10/31/2017 3:52 PM	XML Document	11,730 KB
📄 report_modelstructure.xml	10/31/2017 3:52 PM	XML Document	910 KB
📄 SummaryOfSemanticDiscovery.xml	10/31/2017 3:52 PM	XML Document	2 KB
📄 ValidationResult_DisclosureMechanics.xml	10/31/2017 3:52 PM	XML Document	67 KB
📄 ValidationResult_FAC.xml	10/31/2017 3:52 PM	XML Document	13 KB
📄 ValidationResult_ModelStructure.xml	10/31/2017 3:52 PM	XML Document	6 KB
📄 ValidationResult_ReportingChecklist.xml	10/31/2017 3:52 PM	XML Document	23 KB
📄 ValidationResult_TypeOrClassRelations.xml	10/31/2017 3:52 PM	XML Document	1 KB

All the files are machine readable XML or TEXT files.