

Next Steps 1 - Working With Pesseract

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This document walks you through some of the functionality of Pesseract.

Normalized Comparison of 5 Reports

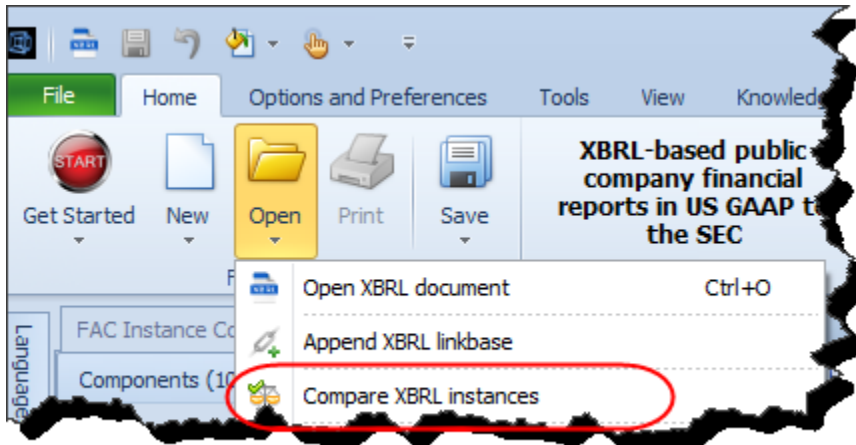
STEP 1: *Start Pesseract.*

Open the Pesseract application and the main form is displayed and the “Home” tab of the menu ribbon is displayed. Highlight all five files and copy all five of these links into your clipboard.

<http://www.sec.gov/Archives/edgar/data/789019/000156459017000654/msft-20161231.xml>
<http://www.sec.gov/Archives/edgar/data/789019/000119312516742796/msft-20160930.xml>
<http://www.sec.gov/Archives/edgar/data/789019/000119312516662209/msft-20160630.xml>
<http://www.sec.gov/Archives/edgar/data/789019/000119312516550254/msft-20160331.xml>
<http://www.sec.gov/Archives/edgar/data/789019/000119312516441821/msft-20151231.xml>

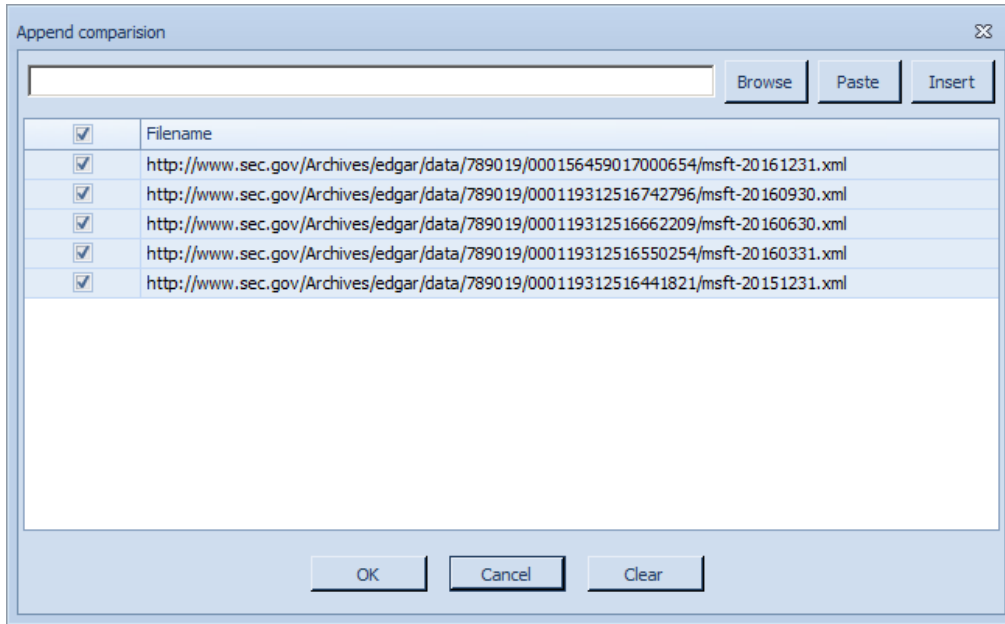
STEP 2: *Open an XBRL-based digital report. Load period comparison.*

Press the “Open” icon on the “Home” menu ribbon. Select the “Compare XBRL instances” menu item.



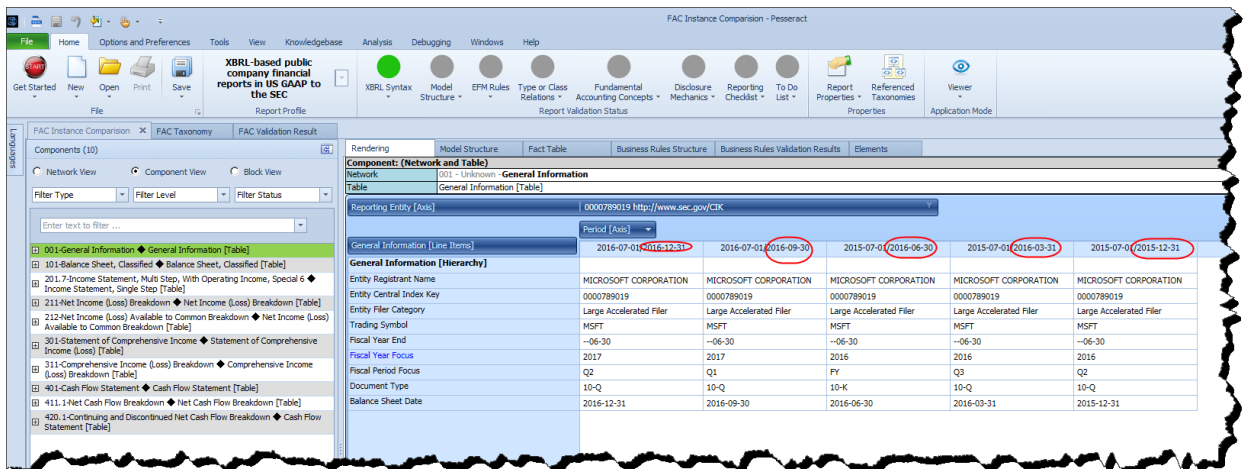
A form will open that looks like the form you see below but there will be no files in the list of Filenames. Press the “Paste” button. Now your form should look like the screen shot below with the list of the five file names you copied.

Press the “OK” button.



STEP 3: After files have loaded.

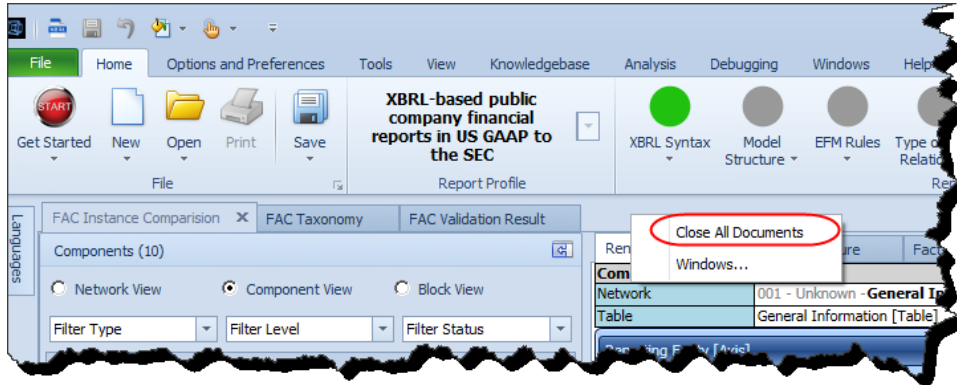
You will see messages appear in the Console window as the five reports load. After the five reports load, you will see a screen that looks like the screen shot below. Note the five different periods.



Note that the application leverages the fundamental accounting concept relations metadata to generate a normalized comparison of the five reports.

STEP 4: Close the reports.

After you have looked at the information that was loaded to your heart's content; close all of the reports by right clicking in the blank area where the names of each window is located. Select "Close All Documents" from the menu that appears. Alternatively, click the "X" in the right hand corner of each window to close each document.



STEP 5: Load entity comparison.

Repeat this process for these five different report for five different public companies.

<http://www.sec.gov/Archives/edgar/data/858877/000085887717000004/csc0-20170128.xml>

<http://www.sec.gov/Archives/edgar/data/320193/000162828017000717/aapl-20161231.xml>

<http://www.sec.gov/Archives/edgar/data/789019/000156459017000654/msft-20161231.xml>

<http://www.sec.gov/Archives/edgar/data/880807/000162828017000901/amsc-20161231.xml>

<http://www.sec.gov/Archives/edgar/data/796343/000079634317000031/adbe-20161202.xml>

After the loading process has completed, you should see a normalized comparison of the five public companies:

A screenshot of the XBRL software interface showing a normalized comparison of five public companies. The interface displays a table with columns for 'Period (Axis)' and 'Reporting Entity (Axis)'. The table lists various financial metrics for five companies: Cisco Systems, Inc., Apple Inc., Microsoft Corporation, American Superconductor, and Adobe Systems Inc. The table is organized into a hierarchy, with 'General Information' selected. The table data is as follows:

	2016-07-31/2017-01-28	2016-09-25/2016-12-31	2016-07-01/2016-12-31	2016-04-01/2016-12-31	2015-11-28/2016-12-02
General Information [Use Item]	000085877 http://www.sec.gov/CIK	0000320193 http://www.sec.gov/CIK	0000789019 http://www.sec.gov/CIK	000088007 http://www.sec.gov/CIK	0000796343 http://www.sec.gov/CIK
Entity Registrant Name	CISCO SYSTEMS, INC.	APPLE INC.	MICROSOFT CORPORATION	AMERICAN SUPERCONDUCTOR	ADOBE SYSTEMS INC.
Entity Central Index Key	000085877	0000320193	0000789019	000088007	0000796343
Entity Filer Category	Large Accelerated Filer	Large Accelerated Filer	Large Accelerated Filer	Accelerated Filer	Large Accelerated Filer
Trading Symbol	CSCO	AAPL	MSFT	AMSC	
Fiscal Year End	-07-29	-09-30	-06-30	-03-31	-12-02
Fiscal Year Focus	2017	2017	2017	2016	2016
Fiscal Period Focus	Q3	Q3	Q3	Q3	FF
Document Type	10-Q	10-Q	10-Q	10-Q	10-K
Balance Sheet Date	2017-01-28	2016-12-31	2016-12-31	2016-12-31	2016-12-02

NEXT we would encourage you to watch the following videos in order to get an idea of how to move around in the Pesseract application and perform other tasks:

https://www.youtube.com/playlist?list=PLFjXOvKVNBOrQvn_HBeyAN-hCVRZZMFJh

OR, walk through another guided tour of the different features of Pesseract:

<http://pesseract.azurewebsites.net/help/Help.html#home>

PROBLEMS? Please email Charles.Hoffman@me.com if you need help resolving software installation issues.