



# How To: Arelle

## SAP Disclosure Management How To Series

### RECOMMENDED ARELLE SETTINGS

#### Bank and Insurance EU reporting scenario

Select the **Tools > Formula > Parameters...** menu.

Then tick the check boxes as follows for validation of the XBRL formulas:

QName	Parameters Type	Value

**Parameter Trace:**

- Expression Result
- Input Value

**API Calls Trace:**

- Expression Source
- Expression Code
- Expression Evaluation
- Expression Result

**Variable Set Trace:**

- Expression Source
- Expression Code
- Expression Evaluation
- Expression Result
- Assertion Result Counts
- Assertion Satisfied [info]
- Assertion Unsatisfied [error]
- Assertion Unsatisfied [info]
- Formula Rules
- Evaluation Timing

**Variables Trace:**

- Variable Dependencies
- Variables Order
- Expression Source
- Expression Code
- Expression Evaluation
- Expression Result
- Filter Winnowing
- Filters Result

IDs:

OK Cancel

**DO NOT Ignore Dimensional Validity** so that the cells which cannot carry data are disabled.



The screenshot shows the Arelle application window with a table titled "660-3b - Directors report - Appendix 5: Exposure to foreign countries, consolidated". The table has columns for "Reporting period" and "Balance-sheet exposure abroad". A context menu is open over the table, with "Ignore Dimensional Validity" selected. Below the table is a "messages" pane showing a list of concepts.

Label	Name	ID	Abstract	Subs Grp	Type	Period
Other than financing, issuing and settlermer	x75	boi_x75	true	xbrl:item	nonnum:domainItemType	instant
Other than first layer	x30	boi_x30	true	xbrl:item	nonnum:domainItemType	instant
Other than general government	x14	boi_x14	true	xbrl:item	nonnum:domainItemType	instant
Other than general government and banks	x16	boi_x16	true	xbrl:item	nonnum:domainItemType	instant
Other than general government and banks	x17	boi_x17	true	xbrl:item	nonnum:domainItemType	instant

For validating big instance documents based on COREP, FINREP, Solvency II or BOI taxonomy, it might be relevant to work offline to avoid proxy issues at customers and long time to load the taxonomies.

Switch Data Cache to local by activating the **Tools > Internet > Work offline** menu item

The screenshot shows the Arelle application window with the "Tools" menu open. The "Internet" option is selected, and a sub-menu is displayed with "Work offline" checked. Other options in the sub-menu include "No certificate check", "Clear cache", "Manage cache", and "Proxy Server".

Click **Tools > Internet > Manage cache**, it should redirect to you to the data cache located in user directory : **C:\Users\username\AppData\Local\Arelle\cache**

If Arelle redirects to **My Documents**, it is because the Data Cache is not yet created. Go to **C:\Users\username\AppData\Local\Arelle** and manually create the **cache** subfolder. Copy the cache directory of another Arelle populated from Internet into this folder.

Also, copy the taxonomy into the local drive, otherwise the loading of the large taxonomy might take very long time through Internet. In a few cases like the BOI taxonomy, the URL of the files do not even correspond to valid server location. First, download the zip file of the taxonomy into your local drive, then unzip the content into a local directory, for example: **My Documents\Taxonomy\http**. Put the instance document in the parent folder of http, in this case **My Documents\Taxonomy**, and finally adapt the schemaRef tag of the XBRL instance so that it references the local directory instead of the existing URL, for example:



<link:schemaRef xlink:type="simple" xlink:href="http\www.boi.org.il\fr\xbrl\fws\d876\d876\2016-01-01\mod\d876.xsd" />

Instead of:

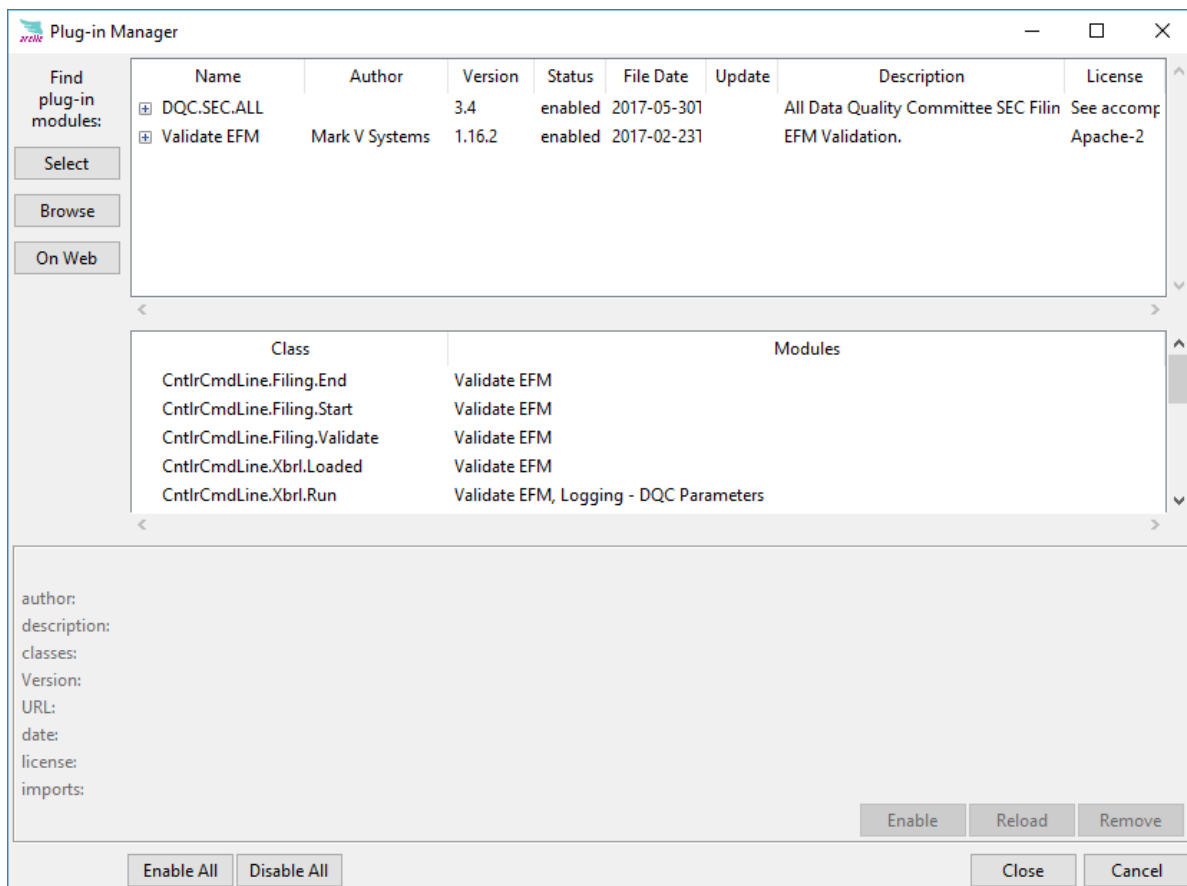
<link:schemaRef xlink:type="simple" xlink:href="http://www.boi.org.il/fr/xbrl/fws/d876/d876/2016-01-01/mod/d876.xsd" />

SAP can provide you a batch file which automates this operation.

### US SEC reporting scenario

Go to **Help > Manage Plugins...** Then click the **Select** button and choose **EFM** and **DQC\_SEC\_ALL** (previously DQC\_US\_Rules) Files

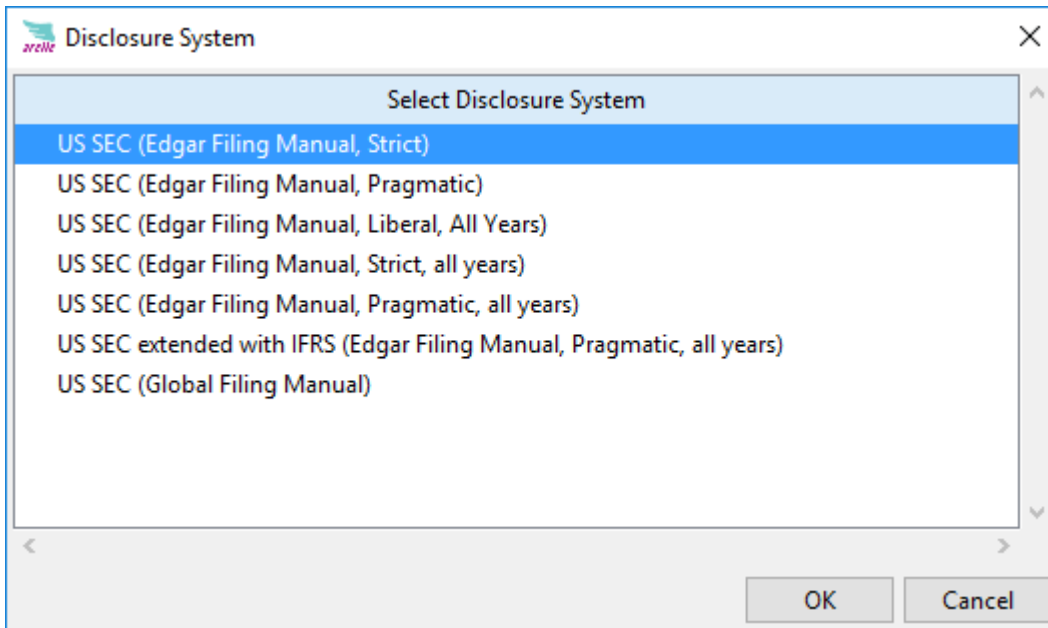
If DQC\_US\_Rules or DQC\_SEC\_ALL is not listed, update your version of Arelle.



Select **Edgar Renderer** to activate the US SEC previewer when loading XBRL instance, which includes the EFM plugin.

ArELLE needs to be restarted.

Go to **Tools > Validation > Select disclosure system...** and choose **US SEC (Edgar Filer Manual, Strict)**



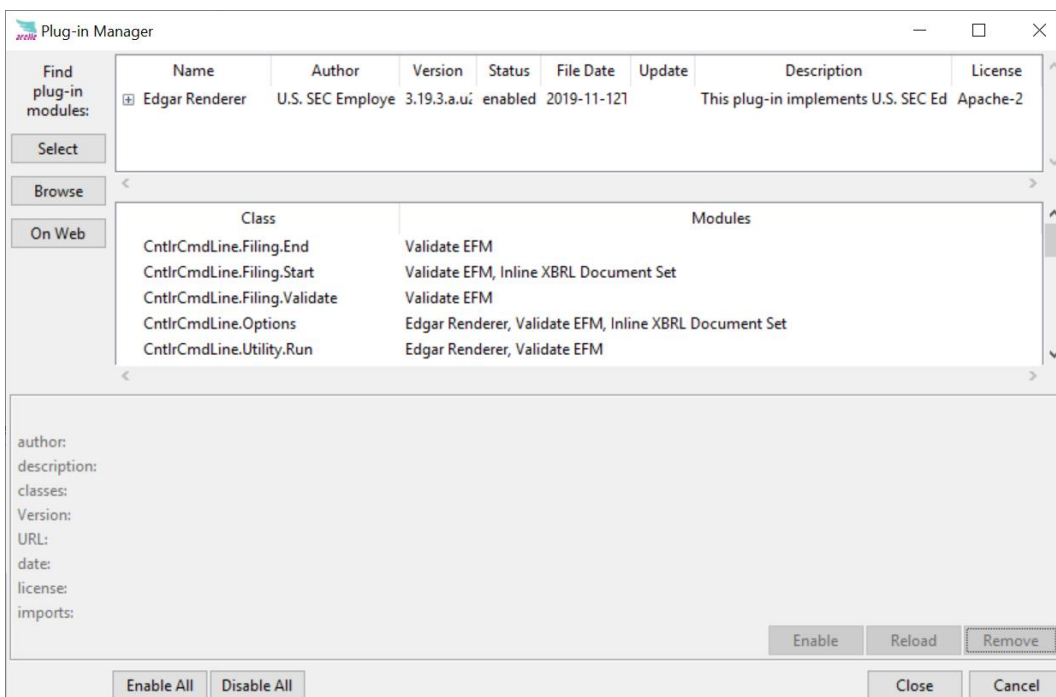
If not already checked, tick the menu item **Tools > Validation > Disclosure system checks**

Click **Tools > Validation > Validate** or click the weighing machine button to validate XBRL instance.

## PREVIEWING

### SEC Previewer

Go to **Help > Manage Plugins...** Then click the **Select** button and choose **Edgar Renderer**, then click the Close button. You will be invited to restart Arelle.





The next time you open an (i)XBRL instance document for US SEC, the Arelle program will show “loaded, preparing views” in the status bar and will automatically open your default Internet browser to display the preview of your filing.

10-Q	Cover Page - shares shares in Thousands	9 Months Ended	
		Jun. 29, 2019	Jul. 19, 2019
Cover	<b>Entity Information [Line Items]</b>		
Cover Page	Document Type	10-Q	
Financial Statements	Document Quarterly Report	true	
Notes to Financial Statements	Document Period End Date	Jun. 29, 2019	
Accounting Policies	Document Transition Report	false	
Notes Tables	Entity File Number	001-36743	
Notes Details	Entity Registrant Name	Apple Inc	
All Reports	Entity Incorporation, State or Country Code	CA	
Rendering Log	Entity Tax Identification Number	94-2404110	
	Entity Address, Address Line One	One Apple Park Way	
	Entity Address, City or Town	Cupertino	
	Entity Address, State or Province	CA	
	Entity Address, Postal Zip Code	95014	
	City Area Code	408	
	Local Phone Number	996-1010	
	Entity Current Reporting Status	Yes	
	Entity Interactive Data Current	Yes	
	Entity Filer Category	Large Accelerated Filer	
	Entity Small Business	false	
	Entity Emerging Growth Company	false	
	Entity Shell Company	false	
	Entity Common Stock, Shares Outstanding (in shares)		4,519,180
	Amendment Flag	false	
	Document Fiscal Year Focus	2019	
	Document Fiscal Period Focus	Q3	
	Entity Central Index Key	0000320193	
	Current Fiscal Year End Date	--09-28	
	<b>Common Stock</b>		
	<b>Entity Information [Line Items]</b>		

If the filing is in Inline XBRL format, click the first menu item in the top left menu (10-Q in the above case) to launch the SEC Inline XBRL Previewer.


UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

**FORM 10-Q**

(Mark One)

QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the quarterly period ended June 29, 2019  
or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934  
For the transition period from \_\_\_\_\_ to \_\_\_\_\_  
Commission File Number: 001-36743

  
**Apple Inc.**  
(Exact name of Registrant as specified in its charter)

California  
(State or other jurisdiction of incorporation or organization)

94-2404110  
(I.R.S. Employer Identification No.)

<http://localhost:53240/2/ix.html?doc=a10-qq320196292019.htm&xbrl=true>



## Workiva Open Source Inline iXBRL Previewer

In case you open HTML file containing Inline XBRL tags, you can generate a preview HTML document using the Workiva iXBRL Previewer plugin. A new menu **Tools > Save iXBRL Viewer Instance** will appear in the Arelle interface.

Go to <https://github.com/Workiva/ixbrl-viewer> and follow the instructions of the README.msdx file.

## CACHE MANAGEMENT

Sometimes, Arelle's cache is not properly set to the default location %userprofile%\Appdata\Local\Arelle\cache, but rather %userprofile%\Appdata\Local\Temp... especially after installing Arelle on machines that have no Internet access.

It is possible to decide a **non-default location** to locate the config files and cache :

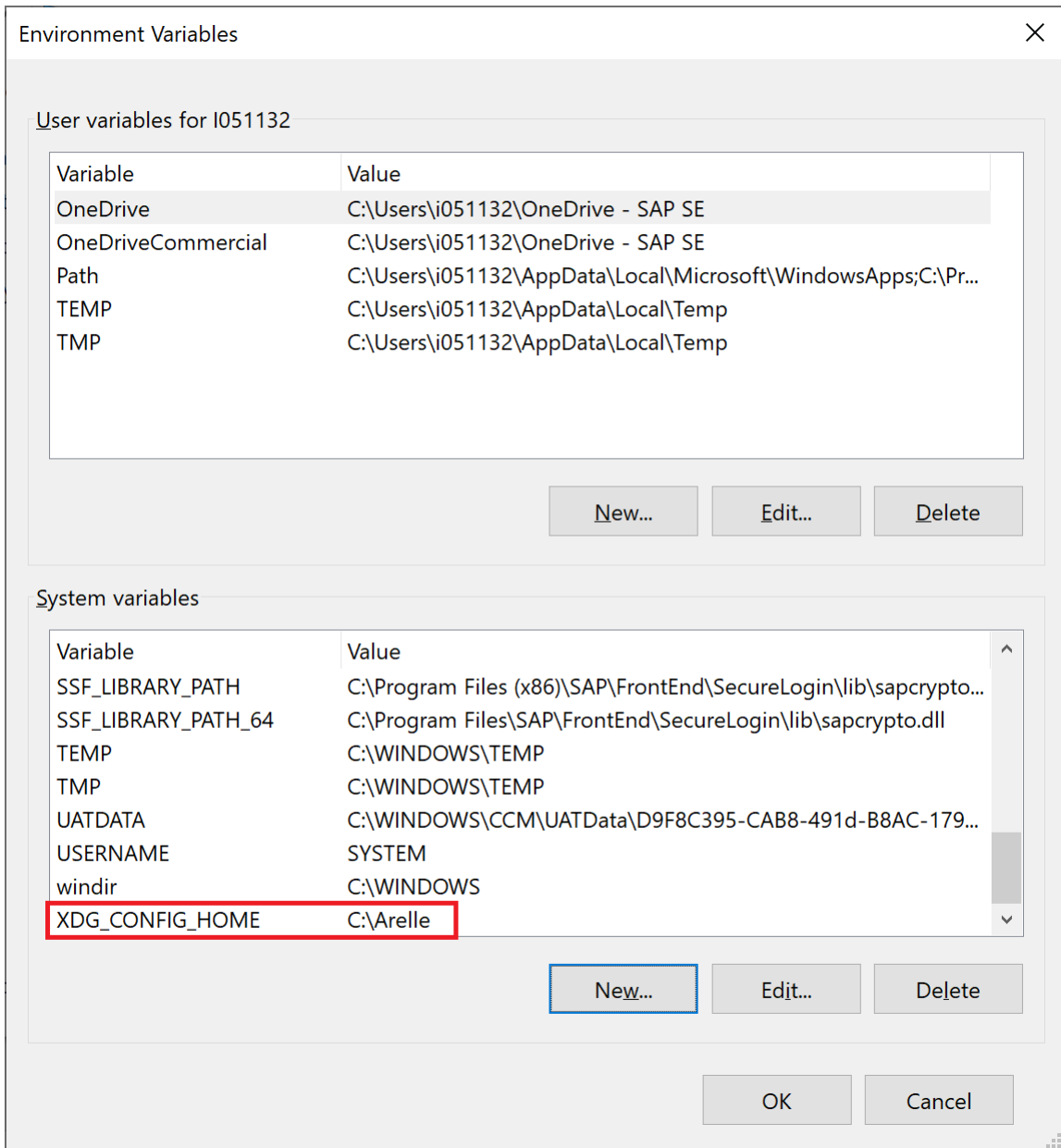
1. Create the new folder on the destination machine. For instance: C:\Arelle
2. Go to **Control Panel > System > Advanced System Settings** to edit the system environment variables. In the **Advanced** tab, click the **Environment Variables...** button
3. Add a special system variable for Arelle on the destination machine through the "Environment Variables" dialog box

Under **System variables**, click **New...**

Variable name: XDG\_CONFIG\_HOME

Variable value: C:\Arelle

A new system variable is created:



4. Optionally, copy the previous cache folder to the new custom folder, for instance:

from "C:\Users\username1\AppData\Local\Arele\cache" to "%XDG\_CONFIG\_HOME%\cache"

**NOTE:** You can copy the content of the Base\_XXXX.zip file into the "%XDG\_CONFIG\_HOME%\cache" directory

**WARNING:** if the custom folder (C:\Arele here) is deleted, then Arele might not start.



## CITRIX

The most transparent option for the end-users to make Arelle run on Citrix XenApp portal as a published application is to:

- ask the IT Administrators to run a script to create the %userprofile%\AppData\Local\Areлле directory (if it does not already exist) at the initialization of the Citrix session
- activate cache and ask the IT Administrators to open Internet access restricted to the domain names of the URL's corresponding to the base taxonomies (for instance: ifrs.org, xbrl.org, sec.gov...) so that the cache of Fujitsu XWand is automatically populated.