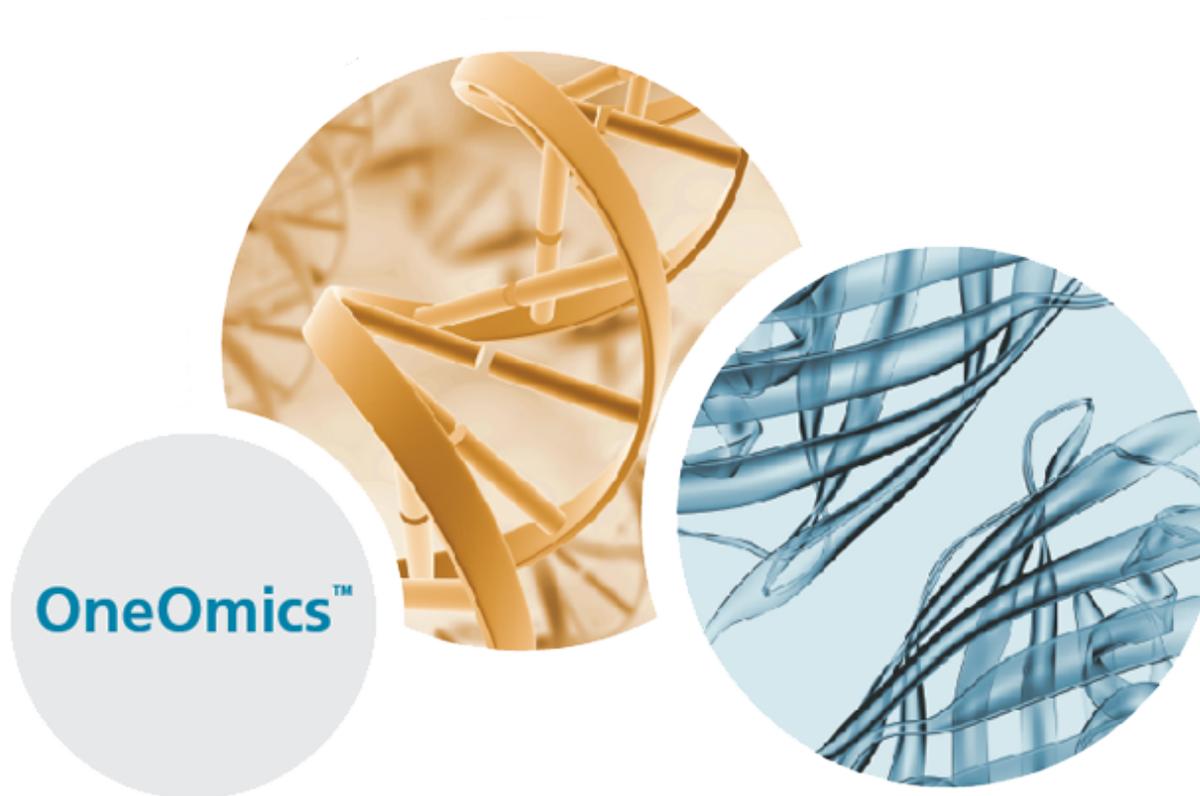




CloudConnect Micro-App

Release Notes



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The SCIEX CloudConnect Micro-App can be used to transfer files between Illumina BaseSpace and a computer running the PeakView[®] 2.1 software or higher. Specifically, the CloudConnect Micro-App is used to upload SWATH[™] data files (TOF-MS SWATH .wiff files) along with an ion library consisting of transitions of select proteins and peptides as well as optional retention time calibration peptides to facilitate use of the SCIEX SWATH[™] Proteomics Cloud Tool Kit for the processing of SWATH acquisition data. Alternatively, another user can share projects containing relevant files with you. The uploaded files can then be processed in the cloud using the Protein Expression Extractor and Protein Expression Assembler applications.

The user can use the CloudConnect Micro-App to inspect peak groups for individual peptides and add retention time calibration peptides to the ion library if necessary. The retention time calibration itself is performed as part of the processing in the Protein Expression Extractor application in BaseSpace and is not performed in the CloudConnect Micro-App itself.

New Features

The initial release support the following features:

- Logging on or logging off from BaseSpace.
- Importing SWATH[™] application .swath files that reside on the local computer.
- Importing ion library files (mzIdentML, ProteinPilot .group or .txt) residing on the local computer.
- Downloading .qresult files residing in BaseSpace.
- Downloading and importing ion library files (.txt) residing in BaseSpace.
- Uploading currently loaded .wiff files to BaseSpace.
- Uploading an IonLibrary.txt file that resides on the computer file system.
- Upload the current session ion library (.txt) to BaseSpace.
- Upload current session files to BaseSpace.
- Show upload and queue status.
- Launch the BaseSpace Web site in the default external browser
- Fault-tolerant, multi-threaded background uploading of files to the cloud.
- Generation of a retention time calibration protein by the selection of calibration peptides and visualization of the peptide fragment XIC peak group and the resulting calibration curve. The calibration takes place in the cloud as part of the Protein Expression Extractor workflow.

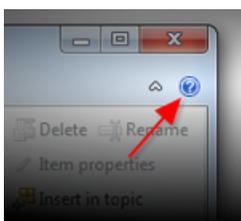
System Requirements

- Microsoft Windows 7 (64-bit) operating system
- 409 MB of RAM
- 200 MB of free disk space
- 1024 × 768 screen resolution or higher
- PeakView® 2.1 software or higher
- Internet Explorer version 9.0 or higher
- .net Framework version 4.5

Get Help

The help file is part of the SCIEX SWATH™ Proteomics Cloud Tool Kit installation. To launch it, navigate to C:\Program Files\AB SCIEX\PeakView 2\bin\Plugins\CloudConnect and double-click CloudConnect.chm.

Figure 1-1 Help Button



Contact Us

SCIEX Support

- www.sciex.com/contact-us
- www.sciex.com

Customer Training

- NA.CustomerTraining@sciex.com

Online Learning Center

- www.training.sciex.com
- elearning@sciex.com

Introduction

Customer Documentation

- techpubs@sciex.com

Activate the CloudConnect Micro-App

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Tip! Click **Help > About** to determine the version of the CloudConnect Micro-App.

Tip! Internet access is required to obtain a license for this feature. If the computer where the CloudConnect Micro-App feature is being activated does not have Internet access, then make a copy of the generated computer ID. On a computer with Internet access, go to [http://licensing.sciex.com/activation/CloudConnect Micro-App](http://licensing.sciex.com/activation/CloudConnect%20Micro-App) and then follow the instructions to obtain a license.

1. Go to the www.sciex.com/products/software page and then select the **CloudConnect Micro-App** from the **Software** menu on the left.
2. Save the software download .zip file to the computer desktop.
3. After the .zip file is downloaded, double-click the file and then extract all of the files to the computer.
4. Locate and then click the **CloudConnect.exe** file.
5. Follow the instructions.
6. Start the PeakView[®] 2.1 software or higher, which loads the CloudConnect Micro-App automatically.
7. In the PeakView software, click **CloudConnect > BaseSpace Login**.
The application dialog opens.
8. Type the license key from the license certificate in the appropriate field.
9. Click **Generate Computer ID**.
This creates a unique identifier for the workstation.
10. Click **Copy ID to Clipboard**.
11. Click the SCIEX licensing link and then follow the instructions to obtain the license.

Note: Internet access is required to obtain the license. If the computer does not have Internet access, then make a copy of the generated computer ID. On a computer with Internet access, go to the licensing page of the SCIEX Web site and then follow the instructions to obtain a license.

After the required information is submitted, a license file is sent to all e-mail addresses provided.

12. Close the browser window.
13. When the e-mail containing the license file is received, copy the license file to the workstation desktop.

Activate the CloudConnect Micro-App

14. Click **Install License File** on the CloudConnect Micro-App Software Activation dialog.

The Select the new license file to be installed dialog opens.

15. Browse to and select the license file and then click **Open**.

16. Click **OK** to close the dialog.

- If a file has been submitted to BaseSpace using the CloudConnect Micro-App and the user then tries to open the same file locally, then the CloudConnect Upload will stop responding. To avoid this issue, users should wait until the file is successfully uploaded to BaseSpace before opening the file locally. (OOM-45)
- Users cannot abort any pending uploaded files from the Upload Queue and Status dialog. Use the following procedure if any pending files must be aborted:
 1. Close the software.
 2. Open **Windows Task Manager** and then click the **Services** tab.
 3. Stop the **CloudConnect Uploader** service.
 4. Delete the C:\ProgramData\AB SCIEX\CloudConnectUploader\queue\CloudConnect.queue file.
 5. Restart the **Uploader** service.
 6. Restart the software
- After upgrading to the latest version of the CloudConnect Micro-App, users might be unable to log in to BaseSpace. If this issues occurs, then users must remove the CloudConnect Mircro-App, restart the computer, and then install the CloudConnect Micro-App again.
- When a user opens a .qresult (session) file using the CloudConnect Micro-App (**CloudConnect > Download > Load Session (BaseSpace)**), the following error message is shown: the process cannot access the file C:\Users\computername\AppData\Local\Temp\filename.qresult because it is in use by another process. To fix this issue, close the PeakView[®] software, delete the temporary file named in the path, start the PeakView software, and then start the CloudConnect Micro-App.
- When the user imports a session file in CloudConnect Micro-App, the screen does not show the protein or peptide tables. To fix this issue, maximize the CloudConnect Micro-App.
- Data upload speeds will vary based on maximum connection speeds and internet traffic in your location. Actual speeds and total time to move and process data will vary. SCIEX recommends a minimum connection speed of 20 Mbits/s to make efficient use of the CloudConnect Micro-App and the SWATH[™] Proteomics Cloud Tool Kit.
- To download a .wiff file from BaseSpace, use the BaseSpace download functionality and not the CloudConnect download feature. **CloudConnect > Download > Load Session (BaseSpace)**.

Troubleshooting

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Symptom	Corrective Action
One or more of the menu items are not available.	<ul style="list-style-type: none">• Make sure that you are logged on to BaseSpace. Menu items dealing with file transfers to or from BaseSpace are not available if the user is not logged on. Some commands do not work if a session has already been loaded.• Upload commands require the Uploader service (installed with this CloudConnect Micro-App) to be running. If all the Upload-related commands are not available, then there is an issue with the Uploader service.
Upload related menu items are not available.	<ul style="list-style-type: none">• View the state of the Uploader service. Start > Run > Services.msc.• Make sure that the CloudConnect Uploader service is running. Restart the service if the issue persists.
Some of the commands of MS/MS ^{ALL} with SWATH TM application do not work in sessions created or loaded in the CloudConnect Micro-App.	The CloudConnect Micro-App can work independently from the MS/MS ^{ALL} with SWATH TM application. The .swath files are compatible with both applications. If users work on a .swath session file in the MS/MS ^{ALL} with SWATH TM MicroApp, save the session and then reload it in the CloudConnect Micro-App application.

Revision History

Revision	Reason for Change	Date
A	First release of document.	March 2015