

Python Download Script Instructions – use with .csv or .metalink files, v.1

Purpose:

Users often like to download the metadata for multiple products from a search then sort and eliminate some of the products before downloading. This script allows you to download only the data you decide to keep.

If you want to download all items in your queue, use the **<Download Python Script(.py)**> button in the lower left of the download queue window. Using this option automatically loads the script with all items in the queue. Instructions for using this bulk download option can be viewed HERE.

Requirements for use:

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- Earthdata login credentials
- Mac, Windows, or Linux
- Python 2.6.5, 2.7.5, or 3.0

Python comes installed with Mac OS X

To upgrade on Mac

https://www.python.org/downloads/

See installation tips below

Windows users will have to download and install it.

https://www.python.org/downloads/windows/

See installation tips below

Steps:

1. Create a csv or metalink file

Conduct a search in Vertex and add products from the search results into your download queue. Create a csv or metalink file by clicking either the **<Download Metadata (.csv)>** or the **<Bulk Download (.metalink)>** button located at the bottom of the download queue window.

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on Bu	ulk download options wnload products with Firefox and D ep-by-step Directions	ownThemAll or	run the script for instant dow	mloads (tasy).		Ê	Clear Queue	

2. Sort the products (optional)

You can open the .csv (spreadsheet) or .metalink (text editor) file and sort the data, deleting product rows that you don't want to download. However, do not delete any columns – *all columns must be retained for the script to work*.

3. Get the script

Download the *bulk_download.py* script to the same directory as the csv or metalink file.

https://bulk-download.asf.alaska.edu/

4. Run the script

- a. Open a Command window (Windows) or a Terminal window (Mac).
 - For Windows 7
 - Click the Start Menu button in the bottom left corner of the screen



• Type cmd in the "Search programs and files" box and <Enter>

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• Command line window and prompt

For Windows 10

• Click on the Start menu button (Windows icon) and type cmd

C:\Windows\system32\cmd.exe		
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For Mac OS X

- Click on the Finder icon in the toolbar
- Highlight "Applications" in the Favorites list
- Type Terminal in the Search box
- Double-click to open
- At the prompt enter one of these commands, depending on whether you downloaded a .csv or .metalink file:
 Substitute your file name for *filename*

```
python bulk_download.py filename.csv
python bulk_download.py filename.metalink
```

- c. If you are not already logged in, you will be prompted to login with your Earthdata Login credentials.
- d. Download will begin.

Appendix Instructions for Installing Python

Installing Python for Mac OS X

1. Go to https://www.python.org/downloads/ and click on the <Download Python 3.5.2> button



- 2. Open the downloaded file (*.pkg)
- 3. The Python Installer window opens. Click <Continue>



4. Click <Continue>

	💝 Install Python						
 Introduction Read Me License Destination Solect Installation Stromary 	Install Python Important Information This package will install Python 3.5.2 for Mac OS X 10.6 or later for the following architecture(s): i386, x86_64. Which Installer variant should I use? Python.org provides two installer variants for download: one that installs a 64-bit/32-bit Intel Python capable of running on Mac OS X 10.6 (Snow Leopard) or later; and one that installs a 32-bit-only (Intel and PPC) Python capable of running on Mac OS X 10.6 (Snow Leopard) or later; and one that installs a 32-bit-only (Intel and PPC) Python capable of running on Mac OS X 10.6 (Snow Leopard) or later; and one that installs a 32-bit-only (Intel and PPC) Python capable of running on Mac OS X 10.6 or later variant. Unless you are installing to an 10.5 system or you need to build applications that can run on 10.5 systems, use the 10.6 variant if possible. There are some additional operating system functions that are supported starting with 10.6 and you may see better performance using 64-bit mode. By default, Python will automatically run in 64-bit mode if your system supports it. Also see Certificate verification and OpenSSL below. The Pythons installed by these installers are built with private copies of some third-party libraries not included with or newer than those in OS X itself. The list of these libraries varies by installer variant and is included at the end of the License.rtf file. Update your version of Tcl/Tk to use IDLE or other Tk applications						

5. Click <**Continue**>

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STORY OF THE SOFTWARE And State S	
	ATORY OF THE SOFTWARE hon was created in the early 1990s by Guido van Rossum at hing Mathematisch Centrum (CWI, see http://www.cwi.nl) in the herlands as a successor of a language called ABC. Guido remains hon's principal author, although it includes many contributions from ers. 995, Guido continued his work on Python at the Corporation for ional Research Initiatives (CNRI, see http://www.cnri.reston.va.us) leston, Virginia where he released several versions of the software. May 2000, Guido and the Python core development team moved to Dopen.com to form the BeOpen PythonLabs team. In October of the ne year, the PythonLabs team moved to Digital Creations (now we Corporation, see http://www.cope.com). In 2001, the Python ware Foundation (PSF, see http://www.ton.org/psf/) was ned, a non-profit organization created specifically to own Python- ted Intellectual Property. Zope Corporation is a sponsoring member he PSF.

6. Click < Agree > to agree to the license agreement



7. Click <**Continue**>





- 8. Click <Install>
- 9. If prompted, enter your *username* and *password* to allow the installation to proceed
- 10. Installation begins



11. Installation is complete



Installing Python for Windows

1. Go to https://www.python.org/downloads/release/python-352/



- 2. Download the appropriate Windows executable installer file
 - a. Windows x86-64 for a 64-bit operating system
 - b. Windows x86 for a 32-bit operating system

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Version	Operating System	Description	MD5 Sum	File Size
Gzipped source tarball	Source release		3fe8434643a78630c61c6464fe2e7e72	2056664
XZ compressed source tarball	Source release		8906efbacfcdc7c3c9198aeefafd159e	1522267
Mac OS X 32-bit i386/PPC installer	Mac OS X	for Mac OS X 10.5 and later	5ae81eea42bb6758b6d775ebcaf32eda	2625033
Mac OS X 64-bit/32-bit installer	Mac OS X	for Mac OS X 10.6 and later	11a9f4fc3f6b93e3ffb26c383822a272	2456685
Windows help file	Windows		24b95be314f7bad1cc5361ae449adc3d	7777812
Windows x86-64 embeddable zip file	Windows	for AMD64/EM64T/x64, not Itanium processors	f1c24bb78bd6dd792a73d5ebfbd3b20e	6862200
Windows x86-64 executable installer	Windows	for AMD64/EM64T/x64, not Itanium processors	4da6dbc8e43e2249a0892d257e977291	3017789
Windows x86-64 web-based installer	Windows	for AMD64/EM64T/x64, not Itanium processors	c35b6526761a9cde4b6dccab4a3d7c60	970224
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- 3. Open the downloaded file
- 4. In the **Install Python 2.5.2** window, make sure the "*Install launcher for all users*" and "*Add Python 3.5 to PATH*" boxes are checked. Click on "**Install Now**"



- 5. If prompted, allow changes to be made to the computer
- 6. Installation begins

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7. Installation is complete

🍨 Python 3.5.2 (64-bit) Setup	– 🗆 X
	Setup was successful
2	Special thanks to Mark Hammond, without whose years of freely shared Windows expertise, Python for Windows would still be Python for DOS. New to Python? Start with the <u>online tutorial</u> and <u>documentation</u> .
python	
windows	Close