

File Download with Aspera

Genecore is switching to the advanced fasp protocol to enable high throughput rates and better utilisation of our external network bandwidth. Our users will profit by a drastically increased download speed (up to 60x), online compression, encryption, consistency checking as well as restart capabilities in case of network failure.

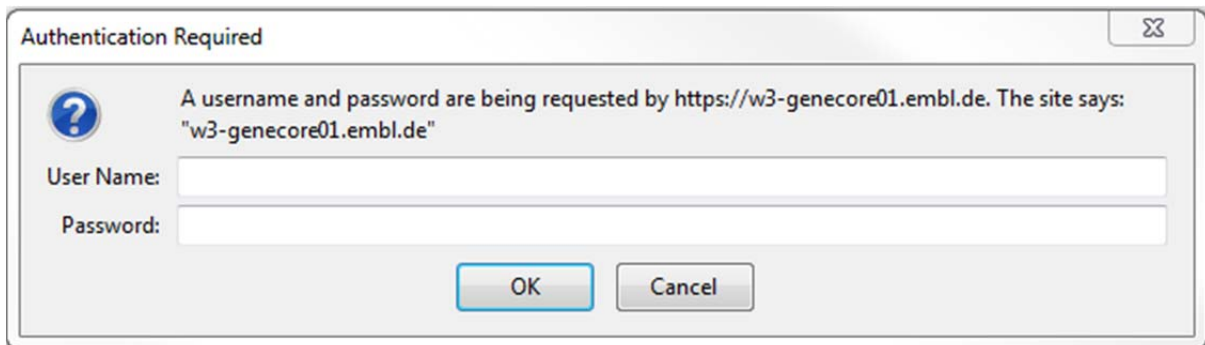
There are two ways to use Aspera to download your result files. One is by installing a web browser plug in. If you don't like scripting and just a polished select and click interface, you should go that way. The second one uses a command line tool named 'ascp', which needs some scripting.

Only one additional thing has to be done on your side. The port 33001 has to be open your firewall.

If you are not familiar with the settings or encounter problems, contact your IT department.

Web Browser Plug-in

The installation is quite forward. You connect to our Aspera system, using the information you will get/got in the separate email. You will be prompted for Genecore Download userID and Password. Submit them the following way:



The browser will automatically detect for the presence of the client and will display an install button if necessary. Just click it and the installation will be handled automatically. The procedure will work on most operating systems with most browsers. Refresh the screen and you are ready to go. Select the files or the directories you like to download.

Compatible Web Browsers

Aspera Connect	Windows	OS X PPC	OS X Intel	Linux
Internet Explorer 6, 7, 8	v2.2.1 or higher			
Internet Explorer 9	v2.7.1 or higher			
Safari 3		v2.2.1 or higher	v2.2.1 or higher	
Safari 4 (32-bit)		v2.2.1 or higher	v2.2.1 or higher	
Safari 4 (64-bit)		v2.4.0 or higher	v2.3.1 or higher	
Safari 5 (32-bit)		v2.4.5	v2.4.5	
Safari 5.1 (32/64-bit)			v2.7.3	
Firefox 2.x, 3.0, 3.5	v2.2.1 or higher	v2.3.0	v2.2.1 or higher	v2.3.1 to v2.4.7
Firefox 3.6	v2.3.1 or higher	v2.4.0 or higher	v2.3.3 or higher	v2.3.2 to v2.4.7
Firefox 4 - 7 (32-bit)	v2.7.1 or higher			
Firefox 4 - 7 (32/64-bit)			v2.7.3	
Chrome	v2.6.0 or higher		v2.7.3	

All plug-ins are available also available from Aspera: <http://www.asperasoft.com>

The next screen looks as follows:



Command Line Operation

You may also use the command line program ascp, if you are a friend of scripting. The ascp executable will be part of your connect download (browser plugin).

Test Example to check your connectivity to our server:

```
ascp -P 33001 -l 100m -Q -k2 gencore\user@w3-gencore01.embl.de:/subdir /tmp/
```

ascp	invoking the executable
-P 33001	specifying our port, don't change
-l 100m	target transfer rate
-Q	fair transfer policy
-k2	file resume with probing
gencore\user	domain\username (to be changed accordingly)

@w3-genecore01.embl.de: our server
/subdir your source location (to be changed accordingly)
/tmp/ your target location (to be changed accordingly)

You can check your connection to our server by issuing the following command.
ascp -P 33001 -l 100m -Q -k2 genecore\trtrans@w3-genecore01.embl.de: /tmp/
The password is for the test is 'anonymous'.

You may check the link for documentation at Asperasoft:

<http://download.asperasoft.com/download/docs/ascp/2.7/html/index.html>

NCBI has also a short and good description:

<http://www.ncbi.nlm.nih.gov/books/NBK47527/>

Rev. 1.0

Rev. 1.1 Port 443 for login