
Data File Uploading

Three methods are offered for data uploading: Aspera Command Line, FTP and Aspera Connect plugin. Please choose one to upload your data. If you need any help during data file uploading, please contact the GSA Working Team at gsa@big.ac.cn or QQ group: [548170081](https://www.qq.com/group/548170081).

NOTICE:

1. Unique file names should be used for all files, and each file must be listed in the GSA metadata file you uploaded.
2. Files must be compressed using gzip or bzip2.
3. Uploaded files will be removed after they are archived.

Aspera Command Line

Use Aspera Command Line to upload files. You may use the following command to upload files via **Aspera Comand Line**:

```
[path/to/ascp/] -P33001 -i [path/to/key/file] -QT -l100m -k1 -d [path/to/folder/containing/files]  
aspsub@submit.big.ac.cn:uploads/zhangss@big.ac.cn_a657feb7
```

Where:

[path/to/ascp/]:

Microsoft Windows: C:\Program Files\Aspera\Aspera Connect\bin\ascp.exe

or

C:\users\[username]\AppData\Local\Programs\Aspera\Aspera Connect\bin\ascp.exe

Mac OS X: /Applications/Aspera/Connect.app/Contents/Resources/ascp (for admin's installation)

or

/Users/[username]/Applications/Aspera/Connect.app/Contents/Resources/ascp (for non-admin's installation)

Linux: /opt/aspera/bin/ascp or /home/[username]/aspera/connect/bin/ascp

[path/to/key/file] must be an absolute path, e.g.: /home/keys/aspera.openssh

[path/to/folder/containing/files] needs to specify the local folder that contains all the files to upload.

[Get the key file](#)

Notice:

- 1) Please make a new subdirectory for each new submission. Your submission subfolder is a temporary holding area and will be removed once the whole submission is complete.
- 2) Do not upload complex directory structures or files that do not contain sequence data.

FTP Upload

We recommend to use an FTP client software to upload files. FTP Username and Password are same to the BIG Sub account.

NOTICE: Please use the binary mode to transfer files. If you are using the FTP client software (such as [FileZilla Client](#)) to log in to the FTP server, follow the tool's instruction to set the transfer mode; If you are using FTP command, type the **binary** command before the **mput** command.

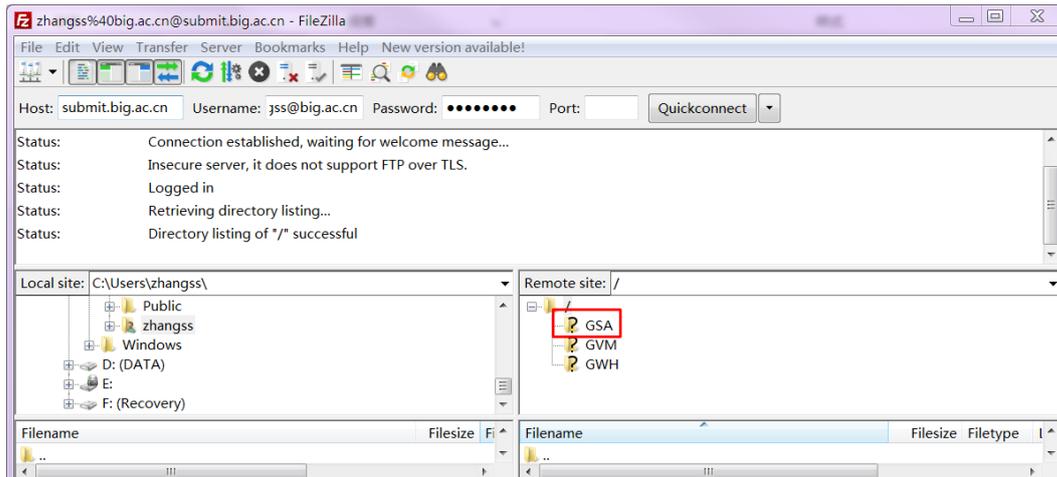
Transmitting your data files to the GSA FTP site

Address: ftp://submit.big.ac.cn
User: Same as you login the BIG Sub
Password: Same as you login the BIG Sub

After you connected to the FTP server:

1. Navigate to the GSA folder.

2. Upload your files here.



Web browser upload via Aspera Connect plugin

Use the Aspera Connect plugin to upload files. If you do not have Aspera Connect plugin installed in your computer, please [Download Aspera Connect](#) and install it first.

1. On opening the File Upload page, your browser may ask you for permission to execute an external application called 'IBM Aspera Launcher', click 'Launch Application' to allow it.
2. After selecting to upload files via Aspera, click the 'Click to Upload Files' button to select files on your computer. You can select multiple files at one time.
3. After your files have been selected, a prompt will appear asking you to confirm the Aspera connection to BIGD, click 'allow' to start the file transfer.
4. You can select the 'Auto finish submission' checkbox to allow backend upload. This will allow you to turn to the next page before the uploading is completed. DO NOT close the Aspera Connect Transfer window when you are still uploading your files.

🔗 Web browser upload via Aspera Connect plugin

Use the Aspera Connect plugin to upload files. If you don't have Aspera Connect plugin installed in your computer, please [Download Aspera Connect and install it first](#).

On opening this page, your browser may ask you for permission to execute an external application called "IBM Aspera Launcher", click "Launch Application" to allow it.

After selecting to upload files via Aspera, click the "使用Aspera Connect插件上传文件" button to select files on your computer. You can select multiple files at one time.

After your files have been selected, a prompt will appear asking you to confirm the Aspera connection to BIGD, click "allow" to start the file transfer.

You can select the "Auto finish submission" checkbox to allow backend upload. This will allow you to turn to the next page before files are uploaded. DO NOT close the Aspera Connect Transfer window when you are still uploading your files.

NOTE: Only one Aspera connection should be created at any given moment.

Click the 'Click to Upload Files' button to select files on your computer.

All uploaded files:

File Name	File Size (Bytes)
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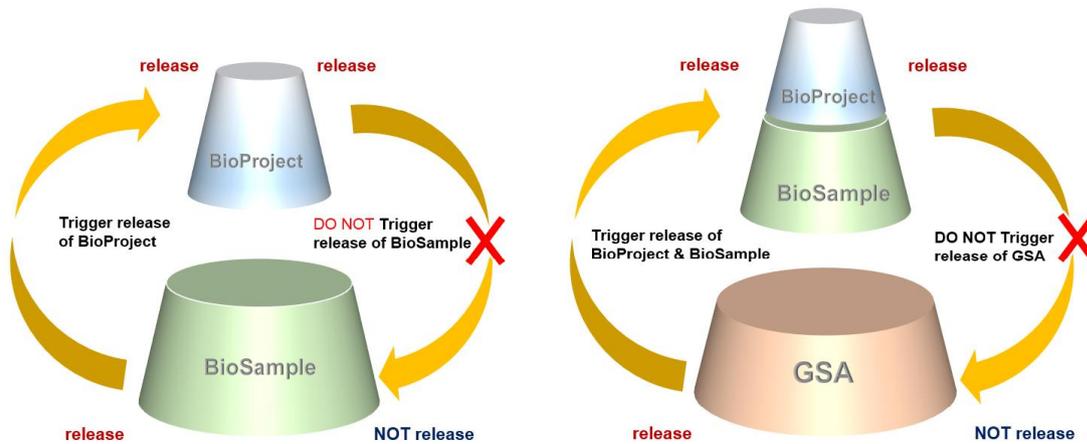
Auto finish submission 'Auto finish submission' to allow backend upload.

Notice: Only one Aspera connection should be created at any given moment.

Release of linked BioProject/BioSample/GSA

Release rules of linked BioProject, BioSample, and GSA are as follows:

1. The release of the BioProject records DO NOT trigger the release of the other linked data.
2. The release of the BioSample records JUST triggers the release of its BioProject.
3. The release of the GSA nucleotide sequence data DO trigger the release of the linked BioProject and BioSample records.



Notice: Therefore, please carefully fill in the '**release time**' of a BioProject, BioSample and GSA. Once published, the representative data or information can be retrieved or downloaded by other users.

Status and Operation

GSA Status and Operation

[Create GSA](#)

Accession	Submission ID	Title	Release date	Status	Operation
Unassigned	subCRA000654	human	2019-08-06	Unfinished at the OverView step Confidential	Delete
Unassigned	subCRA000653	Human dataset 1	2020-12-31	Unchecked Confidential	Delete
Unassigned	subCRA000652	microbe dataset	2019-08-05	Unfinished at the Attributes step Confidential	Delete
Unassigned	subCRA000651	Human dataset 2	2020-12-31	Deleted Confidential	
CRA000532	subCRA000695	Human dataset test	2020-12-31	Checked OK Confidential	ReleaseNow Share

No.	Status	Description	Operation
1	Unfinished at the General Info step	Finished the Submitter step and enter the general info step.	Edit ^[1] ; Delete
2	Unfinished at the Sample Type step	Finished the General info step. If not created GSA related Biological Sample(s), enter the Sample type step.	Edit ^[1] ; Delete
3	Unfinished at the Attributes step	Finished Sample type step, enter the Attributes step	Edit ^[1] ; Delete
4	Unfinished at the Metadata step	Finished the Attributes step, enter the GSA metadata step.	Edit ^[1] ; Delete
5	Unfinished at the File Upload step	Finished the GSA metadata step, enter the File Upload step.	Edit ^[1] ; Delete
6	Unfinished at the Overview step	Enter the overview step.	Edit ^[1] ; Delete
7	Unchecked	All the information are submitted, waiting for check.	Edit ^[1] ; Delete
8	Checked failed	Data file(s) processed error.	Edit ^[1] ; Delete; Reload data file via FTP or Aspera Command

			Line ^[2]
9	Checked OK	Data file(s) Processed succeed and GSA Accession number is assigned.	Release Now; Share
10	Deleted	Deleted	

[1]: You can click the **GSA Submission ID** to enter the Overview page to edit GSA related metadata. For more detail, please see '[How to Edit, Delete or Add New Data](#)'.

[2]: For more details for data file upload, please see '[Data File Upload](#)'.

Experiment Status and Operation

Experiment Accession	Experiment Title	Organism	Platform	Layout	Sample Accession: Sample Name	Experiment Status	Operation
CRX022949	scRNA-seq of WJMISC1	<i>Homo sapiens</i>	Illumina HiSeq 2500	FRAGMENT	SAMC021054: scRNA-seq of WJMISC1	Unchecked Confidential	Edit Delete
Run Accession	Run Title	Run Data File Information				Operation	
CRR022922	scRNA-seq of WJMISC1	CS300_TGACCA_L002_R1_001.fastq.gz				Status: Unchecked	Edit Delete

No.	Status	Description	Operation
1	Unchecked	Metadata submitted and waiting for check.	Edit ^[1] ; Delete
2	Checked OK	Metadata Checked OK	Edit ^[1] ; Delete
3	Checked failed	Metadata Checked failed	Edit ^[1] ; Delete
5	Deleted	Deleted	

[1]: You can click the **GSA Submission ID** to enter the Overview page to edit the Experiment metadata. For more details, please see '[How to Edit, Delete or Add New Data](#)'.

Run Status and Operation

Experiment Accession	Experiment Title	Organism	Platform	Layout	Sample Accession: Sample Name	Experiment Status	Operation
CRX022949	scRNA-seq of WJMISC1	<i>Homo sapiens</i>	Illumina HiSeq 2500	FRAGMENT	SAMC021054: scRNA-seq of WJMISC1	Unchecked Confidential	Edit Delete
Run Accession	Run Title	Run Data File Information				Operation	
CRR022922	scRNA-seq of WJMISC1	CS300_TGACCA_L002_R1_001.fastq.gz				Status: Unchecked	Edit Delete

No.	Status	Description	Operation
1	Unchecked	Metadata submitted and waiting for check.	Edit ^[1] ; Delete

2	Checked OK	Metadata Checked OK	Edit ^[1] ; Delete
3	Checked failed	Metadata Checked failed	Edit ^[1] ; Delete
4	Uploaded Succeed	Data file(s) uploaded succeed, waiting for processing.	
5	Processing	Data file(s) under processing.	
6	Processed succeed	Data file(s) processed succeed	
7	Processed error	Data file(s) processed error	Edit ^[1] ; Delete; Reload data file via FTP or Aspera Command Line ^[2]
8	Deleted	Deleted	

^[1]: You can click the **GSA Submission ID** to enter the Overview page to edit Run metadata. For more detail, please see [‘How to Edit, Delete or Add New Data’](#).

^[2]: For more detail for data file upload, please see [‘Data File Upload’](#).