



## **Downloading using the interactive shell**

\*\*\*Before commencing download please check that your dataset is available in the client using the following link

[https://www.ebi.ac.uk/ega/sites/ebi.ac.uk.ega/files/documents/legacy\\_at\\_EGA.txt](https://www.ebi.ac.uk/ega/sites/ebi.ac.uk.ega/files/documents/legacy_at_EGA.txt)

*If they are unavailable in the download client please email [ega-helpdesk@ebi.ac.uk](mailto:ega-helpdesk@ebi.ac.uk) stating that you need a download account creating and list the datasets required. \*\*\**

The EgaDemoClient.jar application can be used as command line client, or as interactive shell. Both ways provide the same functionality.

Assume the following in red are fields that you will need to change accordingly

**Email address** (the email address under which your EGA account is held)

**Password** (the password you have set upon account creation)

**Encryption/Decryption key** (are the same entity and chosen by **yourself** in the following examples abc is used)

**Dataset** (the dataset you wish to download) e.g., **EGAD00010000498**

**File** (the file you wish to download) e.g., **EGAF00000278296**

## **Background to download**

It is important to remember that every download consists of **four** parts they are: -



## **How do I log in?**

Running the command "java -jar EgaDemoClient.jar" starts the interactive shell. This opens the EGA shell:

```
Welcome to the EGA Secure Data Shell Demo.
Type 'help' for help, and 'exit' to quit.
Ega Demo Download Client Version: 2.2.2
```

```
EGA > login email_address  
Password: password
```

### **How do I find out what commands are available?**

```
EGA > help
```

### **How do I list what datasets I have access to?**

```
EGA > datasets
```

### **How do I find out what files are in a dataset?**

To list all the files in a dataset

```
EGA > files dataset EGAD00010000498
```

Once you identified the dataset or file you wish to download, it is time to request it. Requests require 4 parts: (1) the type of the request: "dataset" or "file". (2) The ID: the dataset ID or the file ID. (3) The en/decryption key for received data. And (4) a request label - this label is later used to download the requested data. You should pick a label by which you can identify your request.

### **How do I request a whole dataset (all files within a dataset)?**

```
EGA > request dataset EGAD00010000498 abc  
request_EGAD00010000498
```

In this request all files in dataset EGAD00010000498 are requested. The data is going to be encrypted with the key "abc". And the request label is "request\_EGAD00010000498".

### **How do I request only one file from a dataset?**

```
EGA > request file EGAF000000278296 abc request_EGAF000000278296
```

### **How do I find out what requests I've made?**

```
EGA > requests
```

### **How do I download a request?**

```
EGA > download request_EGAD00010000498
```

## **How do I download a request to a specific directory?**

Requests are downloaded by default to the current path. This can be changed by using the command "path", to set a new path. Command "pwd" displays the current path. The request itself is then downloaded using the "download" command, for example

```
EGA > download request_ EGAD00010000498 path <path to directory>
```

The default is to download three parallel streams. The number of streams can be adjusted by specifying a number, for example:

```
EGA > download request_ EGAD00010000498 7
```

- uses 7 parallel streams

## **Can I download multiple files at once?**

This is not currently possible within the download client, however, you can list the files within a dataset and filter them for all files with extension e.g., ".vcf.cip" or ".vcf.gpg", and store the file stable IDs for these files (the EGAF numbers) . Then these files can be requested individually. If all requests are made with the same request name, then this will appear as one single request in the downloader and can be downloaded just like all other requests streams.

## **How do I decrypt the dataset?**

The whole dataset cannot be decrypted at once; instead this has to be done on a file-by-file basis.

## **How do I decrypt the file**

```
EGA > decrypt
/Users/kerryg/Downloads/EgaDemoClient_2.2.2/_PROSTATE_SNP6_PD7445a.CEL.cip
abc
```

```
EGA > decryptkeep
/Users/kerryg/Downloads/EgaDemoClient_2.2.2/_PROSTATE_SNP6_PD7445a.CEL.cip
abc
```

This will decrypt the file specified using {key} as decryption key. Upon decryption the encrypted file is deleted. In case of the 'decryptkeep' command the encrypted file is not deleted.

## **How do I download metadata?**

Metadata for **some** datasets are now available in the download client these can be requested using the following command, and will download unencrypted.

```
EGA > download metadata EGAD00010000498
```

## **Trouble shooting**

There are several options to explore how to better use the download system.

EGA > tutorial

EGA > instructions

If you are experiencing trouble in downloading please use the following link.

[https://www.ebi.ac.uk/ega/about/your\\_EGA\\_account/download\\_streaming\\_client#troubleshooting](https://www.ebi.ac.uk/ega/about/your_EGA_account/download_streaming_client#troubleshooting)

Should you need further assistance please contact [ega-helpdesk@ebi.ac.uk](mailto:ega-helpdesk@ebi.ac.uk)