

Retrieving the Metadata of a Data File via the CLU

If your user account has the Read permission level on a data file in DME, the following command allows you to retrieve all metadata associated with that data file:

```
dm_get_dataobject [optional parameters] <dataobject-path>
```

The following table describes each parameter:

Parameter	Description
[-h]	If you want to print a usage (help) message for this command, specify this option.
[-a <attribute name>]	An optional parameter, specifying an attribute to obtain the value of that attribute.
[-D <REST-response>]	An optional parameter, specifying a path and filename in your local system. The system always creates a response file: <ul style="list-style-type: none">• If you specify this parameter, the system saves the response from the server to the specified file in the specified location.• If you omit this parameter, the system saves the file as get-item-response-header.tmp in your home directory.
[-o <metadata-file>]	An optional parameter, specifying a path and filename in your local system. The system always creates a metadata file: <ul style="list-style-type: none">• If you specify this parameter, the system saves the metadata to the specified file in the specified location.• If you omit this parameter, the system prints the metadata to standard output and saves the file as get-item-response-message.json.tmp in your home directory. <p>The metadata includes information about the data file, a list of attribute values for the file, and a list of attribute values for the parent collection.</p>
<dataobject-path>	The path to the data file in DME.

For example, the following command allows you to view the metadata associated with the sample.txt data file:

```
dm_get_dataobject /Example_Archive/PI_Lab1/Project_Orig/sample.txt
```

The basic format of the command output is as follows:

```
{
  "dataObjects": [
    {
      "dataObject": {...},
      "metadataEntries": {
        "parentMetadataEntries": [...],
        "selfMetadataEntries": [...]
      }
    }
  ]
}
```

In this format, the "dataObject" and "selfMetadataEntries" elements provide information about the file you specified, while the "parentMetadataEntries" element provides information about the collection that contains the file you specified.