

# Digication General Data Specifications

In order to use the data import, you must have an Administrator account on Digication Campus, and your school must be set up with its own sub-domain. You can find information on how to become an Administrator on the Digication website at <http://www.digication.com>. After you are an administrator, you can select and activate a sub- domain through your Administrator account.

All data is sent using the Comma Separated Values (CSV) format, defined in RFC 4180. Data should be sent in UTF-8 without a Byte Order Mark (BOM).The maximum file size of a single import is 10MB. If an import is larger than this, it must be split and processed as separate imports. Data may optionally be compressed using gzip, the 10M limit applies to the compressed size.

An import file can contain one or more blocks of data, which include users, courses, registrations, or groups. Each block must contain a header on a line by itself to denote the data the follows.

## Data Transmission

Data imports can be run one of two ways. Within the Administrator interface, there is an upload dialogue that will allow you to send import files one at a time. Imports can be automated by simulating an HTTP POST to a URL that uniquely identifies your school. The URL is [https://campus.digication.com/import/index.digi?key=\[identifier\]](https://campus.digication.com/import/index.digi?key=[identifier]), where [identifier] is a unique password that identifies your school. This identifier can be generated in the Import section of the Administrator interface.

A free tool called "cURL" is available for most platforms that can be used to automate the upload process. It can be downloaded from <http://curl.meulie.net/download.html>. An example of the recommended syntax used is below.

```
curl --output report.txt -L -F data=@import.dat http://campus.digication.com/import/index.digi?key=\[identifier\]
```

After a data file has been transmitted, it will be queued for processing. The report (if any) received from the upload will let you know if the upload was successful and the request number when stored in the queue. You can view the status of any pending imports, as well as error report from the most recent imports in the Administrator section of Digication Campus.

## User Photos

If your school is configured to allow photos in the User Directory, existing photos, such as from student IDs, can be batch uploaded.

Photos must adhere to the following specification:

Format: JPEG Color Depth: 8-bit Dimensions: 100x100 pixels Resolution: 72 dpi

Photos must be stored in a tar'd and gzip'd archive, each individual file must use the SyncID for the user record, with a ".jpg" extension. Photos will always overwrite any existing user photo. The maximum file size for an archive is 10MB.

Photos can be uploaded through the Administrator screens, or by uploading to a URL similar to import data. The URL for sending photo is [http://campus.digication.com/import-photo/index.digi?key=\[identifier\]](http://campus.digication.com/import-photo/index.digi?key=[identifier]), where [identifier] is the same as in section 5 above.

## Sample CSV Imports

Below is an example of what a CSV file might look like if opened in a spreadsheet program (like Microsoft Excel). It is recommended that import blocks are organized in this order: COURSE, USER, REGISTRATION, GROUP. Additionally, you can download a copy of this CSV here: [http://campus.digication.com/simple\\_import\\_sample.csv](http://campus.digication.com/simple_import_sample.csv)

[COURSE]															
CID001	COURSE	Math 101	MTH101	Introduction to Multivariate Statistics	1	09/01/2011	05/01/2012	1	1	1	0	0	1	0	0
CID229	COURSE	Art 102	AR102	Figure Drawing - Anatomy	1	09/01/2011	05/01/2012	1	1	1	0	0	1	0	0

[USER]															
UID001	John	Doe	secretpw	<a href="mailto:jdoe@school.edu">jdoe@school.edu</a>	<a href="mailto:jdoe@school.edu">jdoe@school.edu</a>	1	Art	05/01/2012	0	<a href="http://www.example.com">http://www.example.com</a>	1	01/01/1984	0	1	0
UID002	Jane	Smith	12345	<a href="mailto:jsmith@school.edu">jsmith@school.edu</a>	<a href="mailto:jsmith@school.edu">jsmith@school.edu</a>	1	Art	05/01/2012	0		1	11/09/1984	0	1	0
UID033	Mike	White	SPW23	<a href="mailto:mwhite@school.edu">mwhite@school.edu</a>	<a href="mailto:mwhite@school.edu">mwhite@school.edu</a>	1	SCI	05/15/2013	0		1	04/12/1983	0	1	0
UID019	Sam	Gibb	Gibby2	<a href="mailto:sgibb@school.edu">sgibb@school.edu</a>	<a href="mailto:sgibb@school.edu">sgibb@school.edu</a>	1	Art	05/01/2012	0	<a href="http://www.example.com">http://www.example.com</a>	1	12/02/1985	0	1	0
FID014	Joe	Frank	Jf12345	<a href="mailto:jfrank@school.edu">jfrank@school.edu</a>	<a href="mailto:jfrank@school.edu">jfrank@school.edu</a>	1			1		1	04/01/1955	0	1	0

[REGISTRATION]			
CID001	UID023421	0	0
CID001	UID034545	0	0
CID014	UID211345	0	0
CID001	UIDF073614	1	0
CID014	UIDF075228	1	0

[GROUP]		
Chess Team	UID023421	0
Chess Team	UID034545	0
Chess Team	UID211345	0
Chess Team	UIDF073614	1
Chess Team	UID075228	0