

Article

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[Open Exchange](#)

Import CSV programmatically from a file or from an URL using csvgen

Hi Developers!

Sometimes we need to import CSV data programmatically to InterSystems IRIS either from CSV or from URL. And we expect the class with proper datatypes to be created and the data to be imported.

I published a module [csvgen](#) on Open Exchange which does exactly that.

If you just need the CSV file be imported into IRIS you can do the following:

```
USER>do ##class(communitY.csvgen).Generate("/usr/data/titanic.csv",,"Data.Titanic")
```

```
Class name: Data.Titanic
```

```
Header: PassengerId INTEGER,Survived INTEGER,Pclass INTEGER,Name VARCHAR(250),Sex VARCHAR(250),Age INTEGER,SibSp INTEGER,Parch INTEGER,Ticket VARCHAR(250),Fare MONEY,Cabin VARCHAR(250),Embarked VARCHAR(250)
```

```
Records imported: 891
```

```
USER>
```

Or if you have the CSV on the internet, e.g. [COVID-19 Data on Github](#) you can get the data in the following way:

```
USER>d ##class(communitY.csvgen).GenerateFromURL("https://raw.githubusercontent.com/CSSGISandData/COVID-19/master/csse_covid_19_data/csse_covid_19_daily_reports/05-29-2020.csv",,"","Data.Covid19")
```

```
Class name: Data.Covid19
```

```
Header: FIPS INTEGER,Admin2 VARCHAR(250),Province_State VARCHAR(250),Country_Region VARCHAR(250),Last_Update DATE,Lat MONEY,Long_ DOUBLE,Confirmed INTEGER,Deaths INTEGER,Recovered INTEGER,Active INTEGER,Combined_Key VARCHAR(250),Incidence_Rate DOUBLE,Case-Fatality_Ratio DOUBLE
```

```
Records imported: 3522
```

```
USER>
```

Installation

You can install the package with ZPM:

```
USER>zpm
```

```
zpm:USER>install csvgen
```

The csvgen module is just a wrapper of [CSV2CLASS method](#).

The ObjectScript Quality profile.

It's not ideal, so collaboration is very welcome!

[#CSV](#) [#ObjectScript](#) [#InterSystems Package Manager \(IPM\)](#) [#InterSystems IRIS](#)
[Check the related application on InterSystems Open Exchange](#)

Source URL: <https://community.intersystems.com/post/import-csv-programmatically-file-or-url-using-csvgen>