

# Systems - Import of data from CSV



This feature is available in extras module only!

Have you ever wonder that Virtual System would be good for you but cannot find the way how to import data at first? Well, now we are able to do so by LongRunningTask which takes schema id and other arguments and imports all into the system. In this tutorial, I will show you step by step how to run it!

## 1a. Prepare some virtual system

Please use [this](#) tutorial to do so!

## 1b. Prepare some CSV file

Here is an example of CSV file which can be used for import to the system.

```
"username";"email";"firstName";"lastName";"phone";"titleAfter";"titleBefore";"__ENABLE__"
"arnold";"arnold@somename.com";"Arnold";"Stastny";"723067901";"";"false"
"betty";"betty@somename.com";"Betty";"Lenc";"724647897";"";"false"
"cecilia";"cecilia@somename.com";"Cecilia";"Rudnik";"887824836";"";"false"
"elizabeth";"elizabeth@somename.com";"Elizabeth";"Martinson";"123456789";"";"false"
"peter";"peter@somename.com";"Peter";"Bondra";"";"ing.";"";"true"
"ruth";"ruth@somename.com";"Ruth";"Delict";"";"dis.";"";"false"
"joe";"joe@somename.com";"Joe";"LaBonte";"";"bc.";"";"false"
```

## 2. Copy schema name

Now the new system should be created by your chosen name. Please copy or remember this name and follow to the next steps.

Basic information	Basic information
Configuration	System name
Provisioning brake	<input type="text" value="TestVirtualSystem"/>
Accounts	<input type="checkbox"/> Use remote connector server
	After check, local connectors will not be used.



Make sure that the schema created for your virtual system fits the structure of your csv file!

### 3. Create new LongRunningTask

Now we will create the new LongRunningTask(LRT). As shown in the picture, go to **Settings** → **Task scheduler** → **Scheduled tasks** and hit green "Add" button to add new LRT.

Task type	Description	Instance	Task parameters
HrContractExclusionProcess	Default	idm-primary	
HrEnableContractProcess	Start of contract's validity.	idm-primary	
HrEndContractProcess	Default	idm-primary	
IdentityContractExpirationTaskExecutor	Remove roles by expired identity contracts (=> removes assigned roles).	idm-primary	
IdentityRoleExpirationTaskExecutor	Remove expired roles.	idm-primary	
IdentityRoleValidRequestTaskExecutor	Start of assigned role's validity.	idm-primary	
ImportFromCSVToSystemExecutor	Get all items on...	idm-primary	Path to file: ...

### 4. Fill all attributes

Now we need to create new LRT with these attributes:

- Task type - Have to be **ImportFromCSVToSystemExecutor**
- Description - it is up to you how you want it - just describes the task
- Instance - Have to be **idm-primary**
- Name of system - now we paste our name of system
- Path to file - CSV file from which it will be imported
- Name attribute - the attribute which holds the name - usually same as uid
- Uid attribute - which the attribute is UID in your system
- Attribute separator - which character separates the attributes
- Separator of multivalued attributes - the character which separates values - multivalued

## Create task ×

**Task type**

ImportFromCSVToSystemExecutor × ▼

**Description**

Get all items on mapping - system and import from CSV to IDM

**Instance**

Idm-primary ★

Execute on server (Instance Identifier)

**Task parameters**

**Name of system**

TestVirtualSystem

**Path to file**

some/path/to/file.csv

**Name attribute**

username

**Uid attribute**

username

**Attribute separator**

;

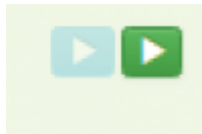
**Separator of multivalued attributes**

,

Close Save

## 5. Run the task

Now we just need to hit run



and we also need to process it in all tasks

Running tasks

Scheduled tasks

All tasks

Operation with selected record: ▲

Run selected tasks

Cancel

Task state

<input type="checkbox"/>	State <span>▲▼</span>	Created <span>▲▼</span>	Task type <span>▲▼</span>
<input checked="" type="checkbox"/>	<span>Q</span> <span>Created</span>	20.09.2018 16:38:13	ImportFromCSVTtoSystemExecutor

Everything should be set up so far and when the task ends, your system is ready! Now while generating system, there was created synchronization with name **Link virtual accounts to identities**.

- Basic information
- Configuration
- Provisioning brake
- Accounts
- Entities
- Scheme
- Mapping
- Roles
- Synchronization**
- Provisioning

### Synchronization configuration

+ Add ↺

<input type="checkbox"/>	Running	Name ↕	Reconciliation ↕	Allowed ↕	
<input type="checkbox"/>	<input type="checkbox"/>	Link virtual accounts to identities	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<span>▶</span>

1 - 1 of 1 records

Run this synchronization and all entities should be paired.

From:  
<https://wiki.czechidm.com/> - **IdStory Identity Manager**

Permanent link:  
[https://wiki.czechidm.com/tutorial/adm/systems\\_-\\_import\\_of\\_data\\_from\\_csv](https://wiki.czechidm.com/tutorial/adm/systems_-_import_of_data_from_csv)

Last update: **2019/06/19 13:35**

