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|  | Import/Export ITCS text mappings |
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**Review**

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**Release**

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# Introduction

This document explains the usage of the ImportItcsTextMapping.ps1 and ExportItcsTextMapping.ps1 scripts.

# Prerequisites

To use the scripts it is required a basic knowledge of PowerShell.

## PowerShell

The required version of **PowerShell (3.0)** is part of the Windows Management Framework 3.0 and can be downloaded from <http://www.microsoft.com/en-us/download/details.aspx?id=34595>

Setup PowerShell to use .net 4 (which must be installed on the system; installer can be downloaded from here: <http://www.microsoft.com/en-us/download/details.aspx?id=17718>)

The computer must be configured to allow script execution and to use .net 4.0. Please check the topics “Running scripts with Windows PowerShell” and “Running PowerShell under .net 4.0” on the wiki page <https://tfsgorba.gorba.com/sites/teamsoftware/Wiki/Windows%20PowerShell.aspx>.

## Required files

For both scripts you need the CenterCmdlets module described below.

To import data you need the following files:

* ImportItcsTextMapping.ps1
* The CSV files to import

To export data you need the file ExportItcsTextMapping.ps1

## CenterCmdlets module

It is needed to have the CenterCmdlets module installed. The module can be found under [\\softwareserver\delivery$\Gorba\SW\01\_icenter\22\_icenter Online\1.2.1318.3908\Tools\Release\CenterCmdlets.zip](file:///\\softwareserver\delivery$\Gorba\SW\01_icenter\22_icenter%20Online\1.2.1318.3908\Tools\Release\CenterCmdlets.zip).

There are two possibilities to install the module:

* To make it available to all users, copy the content of CenterCmdlets.zip to “C:\Windows\System32\WindowsPowerShell\v1.0\Modules\CenterCmdlets”
* To make it available to a single user, copy the content of CenterCmdlets.zip to “C:\Users\{user}\Documents\WindowsPowerShell\Modules\CenterCmdlets

# Execution

To execute one of the scripts, you have to open a PowerShell prompt.

## Export Itcs text mappings

Exporting Itcs text mappings creates the following files:

* Defaults.csv, default mappings that are taken if no product specific mapping exists. It contains all mappings for all Itcs providers.
* One file for each product type, e.g. MM-Lane.csv

Call the following commands:

* Move to the directory containing the script (using cd or pushd)
* Call the ExportItcsTextMapping.ps1 script with parameters

Typically:

*pushd Path\_to\_scriptcontainingdirectory*

*.\ExportItcsTextMapping.ps1 –Directory “absolute\_path\_to\_export” –ServiceBaseAddress “path\_to\_BackgroundSystem” -Force*

Parameters:

* Directory: path where the exported files should be created. By default, it points to the directory where the script is executed
* ServicesBaseAddress: base address where BackgroundSystem services can be found
* Force: Forces the script to overwrite existing files

Example:

*Pushd c:\Gorba\Main\Center\BackgroundSystem\Tools\ItcsTextMapping*

*.\ExportItcsTextMapping.ps1 –Directory “c:\Export” –ServiceBaseAddress “http://192.168.1.251/BackgroundSystem” -Force*

## Modify exported text mappings

The structure of the files is as followed:

“Id”,”ProviderName”,”ProductTypeId”,”Type”,”SourceText”,”MappedText”,”TtsText”,”LastUsed”

* Id: The id of the database row. Do not change this!
* ProviderName: The name of the Itcs provider
* ProductTypeId: If it is not the file Defaults.csv, the product specific id is set
* Type: The type of text (Destination, Line, Lane)
* SourceText: The original text sent by the itcs server
* MappedText: The mapped text. If not set, the source text will be sent to the units
* TtsText: The text to speech text. If not set, the source text will be sent to the units
* LastUsed: DateTime of the last usage of the text in UTC

All texts must be entered in double quotes (“”).

Example default entry without mapped tts text:

“18”,”PAG-Simulator (20)”,,”Destination”,”Buchs via Sevelen”,”Buchs”,,”01.05.2013 12:39:12”

## Import Itcs text mappings

The import script overwrites existing mappings and adds new ones. To take effect of the changes, IIS must be reset, because the BackgroundSystem uses a cache for the mappings.

Call the following commands:

* Move to the directory containing the script (using cd or pushd)
* Call the ImportItcsTextMapping.ps1 script with parameters

Typically:

*pushd Path\_to\_scriptcontainingdirectory*

*.\ImportItcsTextMapping.ps1 –Directory “absolute\_path\_to\_import” –ServiceBaseAddress “path\_to\_BackgroundSystem” -ResetIis*

Parameters of the script:

* Directory: path where the files to be imported are stored. By default, it points to the directory where the script is executed
* ServicesBaseAddress: base address where BackgroundSystem services can be found
* ResetMappings: Sets the IsDeleted flag for existing mappings before importing the new ones.
* ResetIis: Resets Iis after importing data. You must have administrator rights to do that. It is executed on the machine running the script, hence it’s not possible to use it on remote systems

Example:

*pushd c:\Gorba\Main\Center\BackgroundSystem\Tools\ItcsTextMapping*

*.\ImportItcsTextMapping.ps1 –Directory “c:\Export” –ServiceBaseAddress “http://192.168.1.251/BackgroundSystem” -ResetIis*