

User and Reference Manual

Altova MapForce Server User & Reference Manual

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Table of Contents

1	MapForce Server Development edition	3
1.1	Installation and licensing on Windows	4
1.2	Run mappings	5
1.3	Command Line Usage - Development edition	6
1.3.1	run	7
1.3.2	help	9

Index

Chapter 1

MapForce Server Development edition

1 MapForce Server Development edition

The MapForce Server Development editions of MapForce Enterprise and MapForce Professional comprise all the features and functions of the current standalone editions and additionally support the execution of MapForce Server Execution files via the command line.

MapForce Server Development edition has certain limitations compared to the other MapForce Server editions.

MapForce Server Development edition:

- Is only available as a 32-bit installer
- Can only be run from the command line
- Only runs on Windows workstations, there is no Linux, or MacOS support
- Does not run on any Windows **server** platforms
- Only runs one instance of the binaries run on the workstation at any one time
- Cannot connect to FlowForce to execute deployed mappings

Limitations:

- XML Signatures are not supported
- Global resources are not supported via the COM interface
- ODBC and ADO database connections are only supported by Windows. Other operating systems automatically connect via JDBC

MapForce Server Development Professional edition executes only MapForce Server Execution files which use features supported in the MapForce Professional edition.

Downloading

Please download the MapForceServer Development Edition from the [Altova download](#) page.

Licensing

If you have previously bought a MapForce edition, then you will be able to use that license for the corresponding Development edition.

MapForce Server Development editions may only be used for testing purposes and may not be used in a production environment.

1.1 Installation and licensing on Windows

Having downloaded the MapForce Server Development installer from the Altova download page:

1. Start the installation process by double clicking the installer file.
2. Follow the instructions of the installer wizard.
As soon as the installation process is complete a MapForce Server Development edition is automatically installed in its own directory, separate from MapForce.

The MapForce Server Development edition is a command-line binary which does not have a graphical user interface. MapForce Server Execution files compiled from mappings can be directly executed on MapForce Server Development Edition without needing to use FlowForce Server.

Licensing on Windows

There are no extra licensing requirements for Windows. Your current MapForce Enterprise/Professional license details can be entered in the Software Activation dialog box of MapForce Server Development Edition.

1.2 Run mappings

To run a mapping and to generate its output is easily done by compiling the mapping with MapForce to a MapForce Server Execution file (.mfx) and to run this file with MapForce Server Development edition.

Note: The functionality to run mappings using the /BUILTIN command line option available in previous MapForce versions has been replaced by the /COMPILE command line option to generate a MapForce Server Execution file (.mfx) for a mapping, and to run this generated .mfx file via the MapForce Server Development edition.

Compiling mappings:

Compiling a mapping can be done via MapForce. There are two different ways, via the the command line and via the GUI. Both are described in **Compiling a MapForce mapping** in the MapForce documentation.

Run the MapForce Server Execution file:

The created MapForce Server Execution file can be run by MapForce Server Development Edition using the command line command [run](#).

1.3 Command Line Usage - Development edition

This section describes the command line interface of MapForce Server Development edition.

Default location on Windows

The MapForce Server executable (`mapforceserverdev.exe`) is located by default at:

```
<ProgramFilesFolder>\Altova\MapForceServerDevelopmentEdition2013
\bin\MapForceServerDev.exe
```

Usage

General command line syntax for `MapForceServer` is:

```
MapForceServerDev.exe --h | --help | --version | <command> [options]
```

where

<code>--h --help</code>	Displays the help text.
<code>--version</code>	Displays the version of MapForce Server.

Valid commands are listed below and explained in the sub-sections of this section.

<code>help COMMAND</code>	Displays help for a specific command. For example: <code>help run</code>
<code>run</code>	Executes a MapForce Server Execution file (.mfx)

1.3.1 run

The `run` command executes a MapForce Server Execution file (.mfx). It requires an input mfx file as its argument.

```
MapForceServerDev run [options] MfxFile [> logfile.log]
```

Example

Here's an example of the `run` command in its simplest form:

```
MapForceServerDev run ProdTest.mfx
```

Options

The options are listed below, in their short forms (first column) and long forms (second column), together with their descriptions. On the command line, one or two dashes can be used for both short and long forms. Please see the MapForce documentation for more information on [global resources](#) and [input parameters](#).

<code>--gc</code>	<code>--globalresourceconfig</code>	The name of the global resource configuration. Form: <code>--gc=VALUE</code>
<code>--gr</code>	<code>--globalresourcefile</code>	The path of the global resource definition file. Form: <code>--gr=FILE.</code>
<code>--l</code>	<code>--lang</code>	The language used for displaying messages. Form: <code>--lang=VALUE (en,de,ja,es)</code>
<code>--p</code>	<code>--param</code>	The input parameter you want to pass to the mapping, can be used multiple times. The <code>--param</code> switch must be used before each parameter. Form: <code>--p=NAME:VALUE</code> NAME specifies the name of the input parameter and VALUE its value, e. g. <code>--p=file:out.xml</code> . Note: Use quotes if a name or a value contain space characters, e. g. <code>--p="output file":out.xml</code> <code>--p=company:"Nanonull Inc"</code>

Note for Windows:

Avoid using the end backslash and closing quote on the command line `\` e.g. `"C:\My directory\"`. These two characters are interpreted by the command line parser as a literal double quotation mark. Use the double backslash `\\` if spaces occur in the command line and you need the quotes (`"c:\My Directory\\"`), or try to avoid using spaces and therefore quotes at all e.g. `c:\MyDirectory`.

Example:

1. The **ChainedPersonList.mfd** sample mapping was compiled by **File | Compile to MapForce Server Execution File menu** to `C:\temp\ChainedPersonList.mfx`.
2. The mapping output is created by executing the command line:

```
MapForceServerDev run C:\temp\ChainedPersonList.mfx
```

The two output files, `PersonList.xml` and `Contacts.xml` are generated within the `MapForceExamples` directory.

1.3.2 help

The `help` command takes a single argument: the name of the command for which help is required. It displays the correct syntax of the command and other information relevant to the correct execution of the command.

```
MapForceServerDev.exe help Command
```

Example

Here's an example of the `help` command:

```
MapForceServerDev.exe help run
```

The command above contains one argument: the command `run`, for which help is required. When this command is executed, it will display information about the `run` command.

The `--help` option

Help information about a command is also available by using the `--help` option with that command. For example, using the `--help` option with the `run` command, as follows:

```
MapForceServerDev.exe run --help
```

achieves the same result as does using the `help` command with an argument of `run`:

```
MapForceServerDev.exe help run
```

In both cases, help information about the `run` command is displayed.

Index

C

Commandline - MapForce Development edition, 3

M

MapForce Server Development edition, 3

installation and licensing, 4

run mappings, 5

Mappings,

run (Development edition), 5