



ASFALIS TransServer
Batch Manual

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1. Batch Function

1.1. Overview

As well as the standard function to operate from the user interface of ASFALIS TransServer, it also offers a function to register Jobs or obtain the Job status by starting a specific program (hereafter "batch function").

Batch function is consisted of the programs below.

JobLotRegister	This is to register Operations.
JobEntry	This is to enter Jobs.
JobState	This is to obtain the Job status.
JobDownload	This is to download the result files of the Job.
JobStop	This is to terminate the Job

You can also utilize those batch functions by combining multiple batch functions, what we call "Command Connection." This executes connected batch functions using the output file as the input file of the next command.

1.2. System Requirement

Net Framework 4 is necessary to use the Batch Function. Please install .Net Framework 4 prior to the installation of Batch Function programs. It requires the following license to utilize Batch Function.

- ASF-API/S

2. How to Install Batch Function

Copy the folder named "tools" which is in the installer of ASFALIS TransServer to any folder in the client computer from which you use batch functions. And then please set the configurations below.

2.1. Editing Configuration Files for Batch Functions

The configuration file of batch functions contains the parameters described in the table below. Edit the configuration file (tools\job.ini) by specifying the value for OUTDIR, KEEPDIR, UPDIR, SAVEDIR, SERVER_URL.

Key	Description
OUTDIR	This is to specify the path to the folder to save the exported files of, for example, execution result code. * This variable will be used only when you specify command input ID as the option parameter of each command. EX): C:\batch\outdir
KEEPDIR	This is to specify the path to the directory to place the files to translate. EX): C:\batch\keepdir * This variable will be used only when you specify command input ID as the option parameter of each command. Create a directory with the name same as the command input ID under the directory specified as "KEEPDIR," and then place the files to translate in that folder.
UPDIR	This is to specify the reference path to the shared directory to use when uploading the files for batch functions. (Files will be uploaded to ASFALIS TransServer via this directory.) Format: \\[Server name]\[Shared directory name] Register an external file server (*1) whose address is specified as the value for "UPDIR" to ASFALIS TransServer, and then specify the ID of the external file server to batch.upload.file_server in the server configuration. EX): \\ats_batch_share\upload
DOWNDIR	This is to specify the reference path to the shared directory to use when downloading the files from batch functions. (Files will be downloaded to the computer which the batch function was executed from via this directory.) Format: \\[Server name]\[Shared directory name] Register an external file server (*1) whose address is specified as the value for "DOWNDIR" to ASFALIS TransServer, and then specify the ID of the external file server to batch.download.file_server in the server configuration. EX): \\ats_batch_share\download

Key	Description
SAVEDIR	This is to specify the directory to save the downloaded files when downloading the translation result files. This value will be used only when downloading (JobDownload) without [-D download path] option. EX): C:\batch\savedir
SERVER_URL	This is to specify the URL of ASFALIS TransServer. EX): http://servername:3000/
TIMEZONE	This is to specify the default value of Web API for each batch function which will be used when argument -Z is not specified. UTC: Coordinated Universal Time DEFAULT: Time zone of the computer It will be regarded as "DEFAULT" when nothing is specified for this parameter.
TIMEOUT	This is to specify the duration till the connection time out with ASFALIS TransServer by the second. The default value (sixty seconds) will be applied when nothing is specified for this parameter. SSL_VERIFY This is to specify whether to allow SSL transmission with untrusted server verification. Specify "0" to allow.
DEBUG	This is to specify whether to include debug logs in the log files. Specify 1 to export. The debug log files will be exported to <directory where the executable file is placed>\logs.

- *1: Regarding the relationship between Windows File Sharing and the file upload/download to/from ASFALIS TransServer
Batch functions use Windows File Sharing to upload and download the files to/from ASFALIS TransServer. All the files will be transferred via UPDIR/DOWNDIR which are specified in the configuration file common for all batch functions. Please ensure that both UPDIR and DOWNDIR is located under the shared directory which requires no verification to access both from the computer to use batch functions and the computer which ASFALIS TransServer is installed to. Please also ensure that those directories used for batch functions will not be used for any other purposes such as saving files. Files pass through UPDIR/DOWNDIR only temporarily and will be deleted after the execution.

Please specify the environment variable JOB_INI_PATH in case the configuration file of batch functions is placed in a different directory from where batch functions (main program) is placed. ASFALIS TransServer searches the configuration file in the following order;

- First, the file path specified in JOB_INI_PATH.
- Next, the job.ini file in the directory that the program of batch functions are placed.

2.2. Registering External File Servers

1. Login to ASFALIS TransServer, and select [Administrator] > [External file server]. Register

an external file server whose address is UPDIR or DOWNDIR specified in configuration file of batch functions.

2. Once registered, check the ID of the external server from [Administrator] > [External file server]. You will need this ID at the next step [2.3, “Server Configuration of Batch File Parameters”](#).

2.3. Server Configuration of Batch File Parameters

Select [Administrator] > [Server configuration] in ASFALIS TransServer, and set parameters below.

- **batch.client.address**
This is to specify the IP-address of the computer to execute batch functions on.
- **batch.download.file_server**
This is to specify the server ID of the external file server which will be used in downloading files. Please refer to [2.2, “Registering External File Servers”](#) in this document.
- **batch.upload.file_server**
This is to specify the server ID of the external file server which will be used in uploading files. Please refer to [2.2, “Registering External File Servers”](#) in this document.
- **batch.jobstate.max_fetch_size**
This is to specify the maximum number of the Jobs which JobState batch returns.

Server Configurations	
<div> ← Back <input type="text" value="batch"/> </div>	
Per Page <input type="text" value="10"/>	
Configuration Name, Description	Current Value
batch.client.address Specify IP addresses of computers which are able to run ASFALIS TransServer batch client/API. If you want to specify multiple values, separate them with commas. ASFALIS TransServer uses this address in order to verify source IP address, so required address may change after the content of host part of SERVER_URL in job.ini configuration file. This functionality requires ASFALIS TransServer API license. Value Example: 127.0.0.1,::1	192.168.13.48
batch.download.file_server Specify id of FileServer which is used for downloading files from ASFALIS TransServer to Batch API.	2
batch.jobstate.max_fetch_size Specify how many Jobs JobState.bat can fetch at once. Value Example: 50	50
batch.upload.file_server Specify id of FileServer which is used for uploading files from Batch API to ASFALIS TransServer.	1

That is all for the configuration of batch functions. Please refer to [3, How to Execute each Program](#) for the instructions on how to execute batch functions.

3. How to Execute each Program

3.1. JobState

Configure the batch files as below and then execute to obtain the Job status.

- EX)

```
JobState.exe -U login name -W password [-J Job ID] [-Z Timezone] -O CRT
JobState.exe -U login name -W password [-J Job ID] [-Z Timezone] [-O FILE] -P
file path
```

- Input Options

Qualifier	Option Name	Description
-U	Login Name	Specify the login name of the User to log in as. * This argument is mandatory.
-W	Login Password	Specify the login password. * This argument is mandatory.
-J	Job ID	Specify the Job ID (ID registered in DB of ASFALIS TransServer) of the Job which you wish to obtain the status. * Job status will be returned on the latest N (the quantity specified in ASFALIS TransServer) Jobs which the login User specified at "-U: Login Name" has registered when nothing is specified for this parameter.
-Z	Time Zone	Specify the time zone from the following two options. The time when the Job was registered will be shown with this time zone. UTC: Coordinated Universal Time DEFAULT: Time zone of the computer which the Job was registered from. * The time zone specified in .ini file will be used when nothing is specified for this parameter.

Qualifier	Option Name	Description
-O	Output Form	Specify the folder to export the result files by following two options. CRT: Standard Output FILE: The result files will be exported to the folder specified at the next section (-P: Output Path of Execution Result File) by its path. * "FILE" will be used when nothing is specified for this parameter, and the result files will be exported to the folder specified at "-P."
-P	Output Path of Execution Result File	Specify the path to export the execution result files to. The specified filename will be used when the specified path includes the filename. The result file will be named as "StateLog.out" when the specified path does not include the filename (only the directory to export to). * This cannot be specified in the combination with argument -I: Command Input ID. * Either this (argument -P: Output Path of Execution Result File) or argument -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.
-I	Command Input ID	Specify the identifier given by the external program which executes this command. * This cannot be used when argument -P: Output Path of Execution Result File is specified. * Either this (argument -P: Output Path of Execution Result File) or -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.
-i	Command Identification ID	If this option is specified, only substitution variables modified by the value of this option will be replaced when connecting commands by argument -NEXT. * Please refer to "3.6 Connecting Commands" in this document for the detail.

- Format of the output

The first line shows the Execution Result Code and the number of the Jobs when the code is "0000: Successfully completed". The comma is used to separate these two items. The second line and below show the description of each Job. Each item is tab-separated. In this document, (tab) indicates that the values are tab-separated.

EX)


```

${Execution Result Code},${Number of Jobs }
${Job ID}(tab)${Registered Date}(tab)${Input File Name}(tab)${Job Status Code}
${Job ID}(tab)${Registered Date}(tab)${Input File Name}(tab)${Job Status Code}
...
${Job ID}(tab)${Registered Date}(tab)${Input File Name}(tab)${Job Status Code}

```

- Output Values

	Item	Description	Substitution Variable Name for Command Connection
Result code	9999	Please refer to "5 Result Code Table."	ResultCode
Number of Jobs	-	This outputs the number of obtained Jobs.	Jobs[size]
Job ID	99..9	This outputs the Job ID of the Jobs.	Jobs[n][id]
Date/Time Registered	yyyy-MM-dd HH:mm:ss	This outputs the data and the time when the Job was registered. The will be shown with the time in the specified time zone.	Jobs[n][created_at]
Filename of the Input File	-	This outputs the filename of the top file of the input file. This section will be empty (blank) when the Job used a Scenario which has no input files. (Only two (tab) spaces, one between the previous section and the other with the next section, will be shown.)	Jobs[n][filename]
Job Status Code	9999	This outputs the Job status code. Please refer to the Status Code Table below.	Jobs[n][status]

Please replace "n" with an integer value which is one less than the order of the Job to refer to. E.g., zero (0) for the first Job, one (1) for the second Job, and so on.

EX)

```

ID of the first Job: Jobs[0][id]
ID of the second Job: Jobs[1][id]
...
ID of the n+1-th Job: Jobs[n][id]

```

- Status Code Table

Code	Status
0000	Backlog
0002	Processing
0003	Abend
0004	Succeeded
0006	Terminated

- Requirement for Command Connection

Following command will be executed either when the execution result code is 0000 (the Job was completed successfully) or 4300 (the number of the Job to obtain the status exceeds the upper limit).

3.2. JobLotRegister

Register the Operation. Configure the batch file as below, and then execute it.

- EX)

```
JobLotRegister.exe -U Login name -W Password -T Operation Type ID -N Operation name
```

- Input Option

Qualifier	Option Name	Description
-U	Login Name	Specify the login name. * This argument is mandatory.
-W	Login Password	Specify the login password. * This argument is mandatory.
-X	XML File for Registering Operation	This is to specify the file path for the XML file that contains the information on the registration of Operations. * When this (argument -X) is not specified, either argument -T and -N is mandatory.
-T	Operation Type ID	This is to specify the Operation type ID. * This parameter becomes effective only when specified in the combination with argument -X.
-N	Operation Name	This is to specify the Operation name. * This parameter becomes effective only when specified in the combination with argument -X.
-A	Operation Unique Alias	This is to specify the Operation unique alias. * This parameter becomes effective only when specified in the combination with argument -X. * Operation unique alias will not be specified when the operation unique alias is not specified neither in the XML file specified by argument -X nor with this argument -A. * Set "TRUE" for "system.use_job_lots_unique_alias" from [Server Configurations] to use this.

Qualifier	Option Name	Description
-a	Configuration of Operation Property	<p>This is to specify the parameter value for the Operation property. Specify in the format below. [Format] -a <Key name of Operation property definition> <Value> <Type></p> <p><Type> file: File type parameter date: date type parameter in YYYY-MM-DD hh:mm:ss format datetime: Date and time type parameter in YYYY-MM-DD hh:mm:ss format password: Password type parameter *: others (Specify asterisk "*" for other types.)</p> <p><Value> When the <Type> is file type, specify the file path where the file to upload is. When the <Type> is date or datetime type, the value (time) will be converted to the one in the time zone specified with argument -Z. The value (time) will not be converted when time zone descriptor Z is specified beforehand.</p> <p>* This parameter becomes effective only when specified in the combination with argument -X. * The default value of Operation property setting will be applied when the Operation property is not specified neither in the XML file specified by argument -X nor with this argument -a. An error occurs when the default value is not set in Operation property setting and mandatory constraint is set for the Operation property.</p>

Qualifier	Option Name	Description
-g	Permission Settings	<p>This is to specify the permission for the Operation. -g <distinguish classification> <distinguish information> <permission code></p> <p>Distinguish Classification u: User g: Group sg: System Group</p> <p>Distinguish Information When the distinguish classification is u: Login name of the User When the distinguish classification is g: Group ID When the distinguish classification is sg: Unique alias of the group</p> <p>Permission code: 1: Read 2: Download 3: Edit/Delete</p> <p>* This parameter becomes effective only when specified in the combination with argument -X. * Permission settings of the Operation Type will be applied to the permission settings of the newly-registered Operation when the permission is not specified neither in the XML file specified by argument -X nor with this argument -g.</p>
-Z	Time Zone	<p>This is to specify the time zone to use when outputting the registration date and time of the Job. UTC: Coordinated Universal Time DEFAULT: Time zone of the computer</p> <p>* The value of this parameter will be used when the time zone is not specified neither in the XML file specified by argument -X nor with argument -a.</p>
-O	Output Format	<p>This is to specify the directory to save the result files. CRT: Standard Output FILE: Save in the directory which the file path is specified with argument -P.</p> <p>* It will be regarded as "FILE" when nothing is specified for this.</p>

Qualifier	Option Name	Description
-P	File Path to the Directory to Save the Result Files	<p>Specify the path to export the execution result files to. The specified filename will be used when the specified path includes the filename. The result file will be named as "StateLog.out" when the specified path does not include the filename (only the directory to export to).</p> <p>* This cannot be specified in the combination with argument -I: Command Input ID.</p> <p>* Either this (argument -P: Output Path of Execution Result File) or argument -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.</p>
-I	Command Input ID	<p>Specify the identifier given by the external program which executes this command.</p> <p>* This cannot be used when argument -P: Output Path of Execution Result File is specified.</p> <p>* Either this (argument -P: Output Path of Execution Result File) or -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.</p>
-i	Command Identification ID	<p>If this option is specified, only substitution variables modified by the value of this option will be replaced when connecting commands by argument -NEXT.</p> <p>* Please refer to 3.6, "Connecting Commands"</p>

- Output Format

The result code will be output, and the Operation ID of the registered Operation when the registration is completed successfully and the Operation ID is issued.

EX)

```
{Result code},{Operation ID}
```

- Output Items

	Item	Description	Substitution Variable Name for Command Connection
Result code	9999 (4 digit number)	Please refer to "5 Result Code Table."	ResultCode
Operation ID	#####9	This outputs the Operation ID of the registered Operation.	JobLot[id]
Operation Identifier	-	This outputs the Operation identifier of the registered Operation.	JobLot[unique_alias]

3.3. JobEntry

Submit the Jobs.

Configure the batch file as below, and then execute it.

- EX)
 - To specify the file in the local disk

```
JobEntry.exe -U Login-name -W Password -L Operation-ID -S Scenario-ID -F
Input-file-name [-T Translation-type]
```

- To specify the file on the Windows shared directory

```
JobEntry.exe -U Login-name -W Password -L Operation-ID -S Scenario-ID -V
File-server-ID -R Directory-of-file-server -F Input-file-name [-T
Translation-type]
```

- Input Option

Modifi er	Option Name	Description
-U	Login Name	Specify the login name of the User to log in as. * This argument is mandatory.
-W	Login Password	Specify the login password. * This argument is mandatory.
-X	XML File for Job Entry	Specify the path to the XML file that contains parameter for Job entry. * Either the combination of Operation ID and Scenario ID or Job ID needs to be specified either by each argument (-I and -S or -J) or in the XML file specified by argument -X. (*1)
-L	Operation ID	Specify the Operation to submit a Job to. * Either the combination of Operation ID and Scenario ID or Job ID needs to be specified either by each argument (-I and -S or -J) or in the XML file specified by argument -X. * The value of this argument will be prioritized when Operation ID is specified by both this argument -L and the XML file specified by argument -X.

Modifier	Option Name	Description
-J	Job ID	<p>Specify the Job by Job ID to reuse a Scenario of an existing Job.</p> <p>* Either the combination of Operation ID and Scenario ID or Job ID needs to be specified either by each argument (-I and -S or -J) or in the XML file specified by argument -X.</p> <p>* The value of this argument will be prioritized when Job ID is specified by both this argument -J and the XML file specified by argument -X.</p>
-S	Scenario ID	<p>Specify the Scenario to use for the data translation by Scenario ID.</p> <p>* Either the combination of Operation ID and Scenario ID or Job ID needs to be specified either by each argument (-I and -S or -J) or in the XML file specified by argument -X.</p> <p>* The value of this argument will be prioritized when Scenario ID is specified by both this argument -S and the XML file specified by argument -X.</p>

Modifier	Option Name	Description
-p	Parameter Configuration	<p>Specify a specific parameter for a specific Component. -p <Parameter identification information> <Value> <Parameter type></p> <p><Parameter identification information> Components: Component-identification-name.key-name-of-the-parameter Sub Components: Component-identification-name.Sub-component-identification-name.key-name-of-the-parameter</p> <p>Parameters with Multiple Values: -p Parameter-identification-information Value Type -p Parameter-identification-information Value Type ...</p> <p><Parameter Type> file: File type parameter password: Password type parameter user: User type parameter *: others (Specify asterisk "*" for other types.)</p> <p>* The value of this argument will be prioritized when parameter configuration is specified by both this argument -P and the XML file specified by argument -X. * When the <Type> is password type, the value will be masked as "*****"when it will be exported to the operation log of ASFALIS TransServer or debug log of the batch function.</p> <p>EX) -p component1.password "password" password -p component1.multifile C:\test\file1.txt file -p simplify.CANVASVersion 1 * -p mail.to_by_user admin user -p mail.to_by_user user1 user</p>
-D	Night Flag	<p>Specify whether to execute the Job during the night time. 0: Not specified 1: Execute during the night</p> <p>* The value of this argument will be prioritized when night flag is specified by both this argument -D and the XML file specified by argument -X. * It will be regarded as "0: Not specified" when this argument is not specified.</p>

Modifier	Option Name	Description
-M	Memo	<p>Specify a memo for the Job in 5000 characters in maximum.</p> <p>* The value of this argument will be prioritized when memo is specified by both this argument -M and the XML file specified by argument -X.</p>
-Y	Job Priority	<p>Specify the priority of the Job.</p> <p>1: Low 2: Middle 3: High 4: Highest</p> <p>* The value of this argument will be prioritized when Job priority is specified by both this argument -Y and the XML file specified by argument -X.</p> <p>* It will be regarded as "1: Low" when this argument is not specified.</p> <p>* Please ensure to set a value either equivalent or lower than the value set as the upper limit of the Operation Type to belong to. Otherwise, the highest priority level of the Operation Type will be used instead.</p>
-V	File Server ID	<p>Specify the file server where the input file is (Windows shared directory or FTP server) by its file server ID registered to ASFALIS TransServer.</p> <p>* Please note that;</p> <ul style="list-style-type: none"> - You cannot specify a ZIP file as the input file with this argument. - You cannot use this argument to specify a file in a local folder as the input file.
-R	File Server	<p>Directory Specify relative path to the directory where the input file is placed when the file server ID is specified with argument -V.</p> <p>This is optional when the input file is placed under the standard directory. The standard directory is</p> <ul style="list-style-type: none"> * For FTP server: Home directory of FTP User registered in ASFALIS TransServer * For Windows shared directory: The directory that is specified in the address by UNC path <p>This is the same as "-R ." is set explicitly.</p> <p>* Do not use this argument to specify a file on the local disk.</p>

Modifier	Option Name	Description
-F	Input Filename	<p>Specify the input file by full pathname. Please ensure to have any spaces surrounded by "" (double quotations). This argument can be specified more than once. EX) -F top:"TopFile" -F "Element1" -F "Element2"</p> <p>Specify only the filename when you specify command input ID [-I]. Please ensure to place the input file in the directory whose name is the same as the command input ID, and this directory should be placed under "KEEPDIR" directory which is specified in "job.ini" file.</p> <p>Specify the file path as "top:file path" when file server ID is specified and the "1: Assembly" is specified for argument -T: Translation type. (*2)</p> <p>Use -f instead for multiple input Scenarios.</p>
-f	Input Filename	<p>Specify each input file by -f (Component-Instance-Name).(Input-Parameter) (Input File Pathname) in case of multiple input Scenarios. Use -F instead for single input Scenarios.</p> <p>Component Instance Name is available from Scenario Edit or Job Detail page. Input Parameter Name is the key of the parameter whose IO Type is "in" See -F option for other description.</p> <p>EX) -f geomdiff.sourcefile "File-1" -f geomdiff.targetfile "File2"</p>
-T	Translation Type	<p>Specify the file type. 0: Single file format 1: Multiple file format</p> <p>* The value of this argument will be prioritized when translation type is specified by both this argument -T and in the XML file specified by argument -X. * It will be regarded as "0: Single file format" when nothing is specified for this. * The value of this argument -T will always be ignored (regarded as "0: Single file format") when the file is single file format. (*2)</p>

Modifier	Option Name	Description
-O	Output Format	<p>Specify the folder to export the result files by following two options.</p> <p>CRT: Standard Output</p> <p>FILE: The result files will be exported to the folder specified at the next section (-P: Output Path of Execution Result File) by its path.</p> <p>* It will be regarded as "FILE" when nothing is specified for this.</p>
-P	Output Path of Result File	<p>Specify the path to export the execution result files to. The specified filename will be used when the specified path includes the filename. The result file will be named as "StateLog.out" when the specified path does not include the filename (only the directory to export to).</p> <p>* This cannot be specified in the combination with argument -I: Command Input ID.</p> <p>* Either this (argument -P: Output Path of Execution Result File) or argument -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.</p>
-I	Command Input ID	<p>Specify the identifier given by the external program which executes this command.</p> <p>* This cannot be used when argument -P: Output Path of Execution Result File is specified.</p> <p>* Either this (argument -P: Output Path of Execution Result File) or -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.</p>
-i	Command Identification ID	<p>If this option is specified, only substitution variables modified by the value of this option will be replaced when connecting commands by argument -NEXT.</p> <p>* Please refer to "3.6 Connecting Commands".</p>

*1: Specifying the pair of the Operation ID and the Scenario ID, or the pair of the Operation ID and the Job ID is mandatory. They can be specified by each option or XML file by -X option.

*2: When the input file is a NX I-deas model by *.mf1 / *.mf2 pair, please specify the file type with "-T" as multiple file format, and specify "*.mf1" file as the top file.

- Below are some examples;

- With operation ID 1 using Scenario ID 4 specifying a model by absolute path

```
JobEntry.exe -U admin -W admin -L 1 -S 4 -F \\models\enf\sample.enf
```

- Using the Scenario of the Job whose ID is 12 specifying a model just under the root of the external file server of ID 13:

```
JobEntry.exe -U admin -W admin -L 1 -J 12 -V 13 -F sample.enf
```

- Using Scenario of the Job whose ID is 12 specifying a model under the "enf" folder of the external file server of ID 13:

```
JobEntry.exe -U admin -W admin -L 1 -J 12 -V 13 -R enf -F sample.enf
```

- Using the Scenario starting from geometry verification:

```
JobEntry.exe -U admin -W admin -L 1 -S 7 -f geomdiff.sourcefile  
\\models\enf\sample.enf -f geomdiff.targetfile \\models\enf\sample2.enf
```

- Using the Scenario with two CATIA V5 input files:

```
JobEntry.exe -U admin -W admin -L 1 -S 13 -f catiav52enf.inputfile  
"\\models\CATIAV5\sample1.CATPart" -f catiav52enf2.inputfile  
"\\models\CATIAV5\sample2.CATPart"
```

- Translating each file as a separated part in a zip file:

```
JobEntry.exe -U admin -W admin -L 1 -S 4 -F \\models\CATIAV5\sample.zip -T 0
```

- Translating files in a zip file as an assembly:

```
JobEntry.exe -U admin -W admin -L 1 -S 4 -F \\models\CATIAV5\sample.zip -T 1
```

- Translating files on the external file server of ID 13 as an assembly

```
JobEntry.exe -U admin -W admin -L 1 -S 4 -V 13 -F top:TopAssembly.CATProduct  
-F SubAssembly.CATProduct -F Part.CATPart
```

- Output Format

The first line shows the Execution Result Code and the number of the Jobs when the code is "0000: Successfully completed". The comma is used to separate these two items. The second line and below show the description of each Job. Each item is tab-separated. In this document, (tab) indicates that the values are tab-separated.

EX)

- When the Job is completed successfully:

```

${Result code},${Job number}
${Job ID}(tab) ${Job identifier}
${Job ID}(tab) ${Job identifier}
...
${Job ID}(tab) ${Job identifier}

```

- When the Job is abend:

```

${Result code},

```

- Output Items

	Item	Description	Substitution Variable Name for Command Connection
Result Code	9999	Please refer to "5 Result Code Table."	ResultCode
The Number of Jobs	99...9	Outputs the number of Jobs registered to ASFALIS TransServer	Jobs[size]
Job ID	99..9	Outputs the Job ID	Jobs[n][id]
Job Identifier	-	Outputs the Job Identifier	Jobs[n][unique_alias]

Please replace "n" with an integer value which is one less than the order of the Job to refer to. E.g., zero (0) for the first Job, one (1) for the second Job, and so on.

EX)

```
ID of the first Job: Jobs[0][id]  
ID of the second Job: Jobs[1][id]  
...  
ID of the n+1-th Job: Jobs[n][id]
```


3.4. JobStop

Terminate Jobs.

Configure the batch file as below, and then execute it.

- EX)

```
JobStop.exe -U Login-name -W Password -J Job-ID -O CRT
JobStop.exe -U Login-name -W Password -J Job-ID [-O FILE] -P Directory-path
```

- Input Option

Modifier	Option Name	Description
-U	Login Name	Specify the login name of the User to log in as. * This argument is mandatory.
-W	Login Password	Specify the login password. * This argument is mandatory.
-J	Job ID	Specify the Job to terminate by Job ID registered ASFALIS TransServer. * This argument is mandatory.
-O	Output Format	Specify the folder to export the result files by following two options. CRT: Standard Output FILE: The result files will be exported to the folder specified at the next section (-P: Output Path of Execution Result File) by its path. * It will be regarded as "FILE" when nothing is specified for this.
-P	Output Path of Result File	Specify the path to export the execution result files to. The specified filename will be used when the specified path includes the filename. The result file will be named as "StateLog.out" when the specified path does not include the filename (only the directory to export to). * This cannot be specified in the combination with argument -I: Command Input ID. * Either this (argument -P: Output Path of Execution Result File) or argument -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.

Modifier	Option Name	Description
-I	Command Input ID	Specify the identifier given by the external program which executes this command. * This cannot be used when argument -P: Output Path of Execution Result File is specified. * Either this (argument -P: Output Path of Execution Result File) or -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.
-i	Command Identification ID	If this option is specified, only substitution variables modified by the value of this option will be replaced when connecting commands by argument -NEXT. * Please refer to "3.6 Connecting Commands"

- Output Format

Outputs the result code.

EX)

```
#{Result code}
```

- Output Items

	Item	Description	Substitution Variable Name for Command Connection
Result code	9999	Please refer to the "5 Result Code Table."	ResultCode

- Requirement for Command Connection

Following command will be executed either when the execution result code is 0000 (the Job was completed successfully) or 4300 (the number of the Job to obtain the status exceeds the upper limit).

3.5. JobDownload

Download the translation result file of the Jobs. Configure the batch file as below, and then execute it.

- EX)

```
JobDownload.exe -U Login-name -W Password -J Job-ID [-D Download path] [-L
Download log] [-Z archive to one ZIP] -O CRT
JobDownload.exe -U Login-name -W Password -J Job-ID [-D Download path] [-L
Download log] [-Z archive to one ZIP] [-O FILE] -P Directory-path
```

- Input Option

Modifier	Option Name	Description
-U	Login Name	Specify the login name of the User to log in as. * This argument is mandatory.
-W	Login Password	Specify the login password. * This argument is mandatory.
-J	Job ID	Specify the Job ID registered in database of ASFALIS TransServer of the Job to download the result files from. * This argument is mandatory.
-D	Download Path	Specify the directory path to download the files to. * The value of "SAVEDIR" in .ini file will be applied when nothing is specified for this.
-B	Download Job Output File	Specify whether to download result file defined as output file of the Job. 0: Don't download 1: Download * It will be regarded as "1: Download" when nothing is specified for this. Please note that it requires the permission on downloading Operation to download the result files.
-L	Download Log File	Specify whether to download log file. 0: Don't download 1: Download * It will be regarded as "1: Download" when nothing is specified for this. Please note that it requires the permission on editing/deleting Operation to download the result files.

Modifier	Option Name	Description
-C	Download Component Output File	<p>Specify whether to download the result file of the Components which are not defined as the output file of the Job. 0: Don't download 1: Download</p> <p>* It will be regarded as "0: Don't download" when nothing is specified for this. Please note that it requires the permission on editing/deleting Operation to download the result files.</p>
-Z	archive to one ZIP	<p>Specify whether to compress the file/directory to download to a single ZIP file. 0: Don't compress to ZIP 1: Compress to ZIP</p> <p>* It will be regarded as "0: Don't compress to ZIP" when nothing is specified for this.</p>
-O	Output Format	<p>Specify the folder to export the result files by following two options. CRT: Standard Output FILE: The result files will be exported to the folder specified at the next section (-P: Output Path of Execution Result File) by its path.</p> <p>* It will be regarded as "FILE" when nothing is specified for this.</p>
-P	Output Path of the Result File	<p>Specify the path to export the execution result files to. The specified filename will be used when the specified path includes the filename. The result file will be named as "StateLog.out" when the specified path does not include the filename (only the directory to export to).</p> <p>* This cannot be specified in the combination with argument -I: Command Input ID. * Either this (argument -P: Output Path of Execution Result File) or argument -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.</p>

Modifier	Option Name	Description
-I	Command Input ID	Specify the identifier given by the external program which executes this command. * This cannot be used when argument -P: Output Path of Execution Result File is specified. * Either this (argument -P: Output Path of Execution Result File) or -I: Command Input ID needs to be specified when "FILE" is specified or nothing is specified for argument -O: Output Form.
-i	Command Identification ID	If this option is specified, only substitution variables modified by the value of this option will be replaced when connecting commands by argument -NEXT. * Please refer to 3.6 Command Connection.
-G	Download Method	Specify how to download the Job result files. 0: Download via "DOWNDIR" 1: Download directly from ASFALIS TransServer * It will be regarded as "0" when nothing is specified for this.
-F	Download File Name	Specify the filename to save the download file as. This is effective only when "1" is specified for "-G". * File will be saved with a name auto-set by ASFALIS TransServer when nothing is specified for this.

- Output Format

Outputs the result code.

EX)

```
#{Result code}
```

- Output Items

	Item	Description	Substitution Variable Name for Command Connection
Result code	9999	Please refer to the "5 Result Code Table."	ResultCode

	Item	Description	Substitution Variable Name for Command Connection
Download Directory	-	Replaces the directory (the value specified with argument -D or "SAVEDIR" specified in "job.ini" file) where the downloaded files are with the absolute path when the result code is "0000: Successfully completed."	DownloadDir
Filename of ZIP File	-	Replaces the filename of ZIP file when downloading the result files in ZIP file and the result code is "0000: Successfully completed."	ZipFileName

- The Directory Level for Downloading Result File

When the "ZIP" file is specified for the download type of the customize server, the translation result files will be placed as ZIP file under the name specified by the customize server. When "ZIP" is not specified or download customize functionality is not used, ZIP compression option (-Z) will decide whether the result file will be placed as ZIP file or not.

When ZIP compression option is specified to generate ZIP file, the file name will be YYYYMMDD_hhmmss.zip format. If ZIP filename is given from download customize server, latter will be used.

Download Customization	File in case of "-Z 0"	File in case of "-Z 1"	Path
Not Used	Extracted	YYYYMMDD_hhmmss.zip	*1
Used: ZIP NOT specified			Customized Path
Used: ZIP specified	Specified ZIP Filename		

In case of *1 and input of the download customize server will be as follows:

J(Job ID)_(Model Name)/C(Component Instance Number)_(Component Instance Name)/OUTPUT/(Translation Result File)

J(Job ID)_(Model Name)/C(Component Instance Number)_(Component Instance Name)/OUTPUT/(Intermediate File)
(Only when [-C 1] option is specified.)

```
J(Job ID)_(Model Name)/C(Component Instance Number)_(Component Instance  
Name)/LOG/(Log File)  
(Only when [-L 1] option is specified.)
```

When ZIP file is generated, the directory structure inside ZIP file will be as above. When ZIP file is not generated, the extracted files will be placed under the download target path with the directory structure above.

3.6. Connecting Commands

Connect multiple commands of batch function and execute them sequentially. Configure the batch file as below, and then execute it.

- EX)

```
Command-1 -NEXT Command-2 -NEXT ... -NEXT Command-N
JobLotRegister.exe ... -NEXT JobEntry.exe -L ${JobLot[id]} ... -NEXT JobState.exe
-J ${Jobs[0][id]}
```

Specify argument -NEXT in the combination with argument -i: Command Identification ID when the name of the substitution variable is duplicate in multiple commands.

`${Command identification ID:Substitution variable name}`

- EX)

```
JobLotRegister.exe -i JL1 ... -NEXT JobEntry.exe -L ${JL1:JobLot[id]} ... -NEXT
JobLotRegister.exe -i JL2 ... -NEXT JobEntry.exe -L ${JL2:JobLot[id]} ...
```

Write the name of substitution variable as above when argument -i: Command Identification ID is specified. The substitution variable will be disregarded (will not be used) when the name is not written in the format above.

- EX)

```
JobLotRegister.exe -i JL1 ... -NEXT echo ${JobLot[id]}
```

In the case like above, "\${JobLot[id]}" will be displayed, instead of Operation ID.

Multiple substitution variables can be included within a single argument of the command.

- Input Option

Modifier	Description
-NEXT	This is an argument to execute the following command (command 2) sequentially right after command 1 when command 1 is completed successfully. You can specify substitution variable for the second and later commands to be replaced with the output from command 1.

- Output Format

Outputs in the format specified for each command. The result files will be output in the standard output in the execution order of the commands when "CRT" is specified for argument -O: Output Format for all the commands. The following error information will be additionally output to the output path of the previous command which was completed successfully when an error occurred in executing the command after the command with argument -NEXT. The error information will be written below the result of the previous command which was completed successfully.

EX)

```
--${Result code},${The number of error information lines}  
${Error information}
```

NOTE)

Please note that this argument "-NEXT" runs the following command at the completion of current command, which means "JobDownload.exe" will be run once the previous command, e.g., "JobEntry.exe", is completed, instead of waiting for the completion of the submitted Job.

4. XML File Format for Batch Input

XML file format for batch input is below.

4.1. XML File: Component Parameter Type

Layer	Node Name	Description	Mandatory
1	Parameters		-
2	Parameter		YES *1
3	key_name		YES
3	value_type		-
3	value	Do not specify this parameter to use the value specified in the Scenario. Specify nothing (leave it blank) to specify null value. Specify the identifier specified with argument -r as \${identifier} to specify a file for setting of file type property.	-
3	file_server_id	Specify the file server ID that contains the target directory. (This is only for the directory select type parameter.)	-
3	directory_path	Specify relative path to a target directory. (This is only for the directory select type parameter.)	-
3	multiple_values		-
4	value		YES *1
-	/multiple_values	This is an end (closing) tag.	-
-	/parameter	This is an end (closing) tag.	-
-	/parameters	This is an end (closing) tag.	-

*1: Multiple specification allowed.

4.2. XML File for Registering an Operation

Layer	Node Name	Description	Mandatory
1	job_lot_register_request		-
2	job_lot_template		YES *1
3	id Operation type ID		YES *1
-	/job_lot_template	This is an end (closing) tag.	-
2	job_lot		YES *1
3	name	Operation name	YES *1
3	unique_alias		-
-	/job_lot	This is an end (closing) tag.	-
2	job_lot_properties		-
3	job_lot_property		YES *2
4	key_name		YES
4	value_type	The value will be converted depending on the value type specified for this. date: date type (will be converted to UTC) datetime: date and time type (will be converted to UTC) file: file type (will upload a file to the shared directory and then convert the path to the relative path from the shared directory)	-
4	value	Do not specify this parameter to use the value specified in the Operation property definition. Specify nothing (leave it blank) to specify null value. Date type property: date type parameter in YYYY-MM-DDZ format Datetime type property: Date and time type parameter in YYYY-MM-DDThh:mm:ssZ format Specify the file path on the local disk to specify a file for setting file type property.	-
-	/job_lot_property	This is an end (closing) tag.	-

Layer	Node Name	Description	Mandatory
-	/job_lot_properties	This is an end (closing) tag.	-
2	job_lot_permissions		-
3	permission		YES *2
4	permission_code	Specify the permission to give. 1: Read , 2: Download , 3: Edit/Delete	YES
4	login_name	Specify this value to give permission to Users.	- *2
4	group_id	Specify this value to specify the group to give permission to by its group ID.	- *2
4	group_internal_name	Specify this value to specify the group to give permission to by its internal_name.	- *2
-	/permission	This is an end (closing) tag.	-
-	/job_lot_permissions	This is an end (closing) tag.	-
-	/job_lot_regist	This is an end (closing) tag.	-

*1: This is not mandatory when the same information is specified by other batch option.

*2: Multiple specification allowed.

Please refer to [6, Sample XML Files](#).

4.3. XML File for Submitting a Job

Layer	Node Name	Description	Mandatory
1	job_entry_request		-
2	file_type	0: Part , 1: Assy	YES *1
2	file_server_id		-
2	file_server_dir	Specify the directory where the input file is placed by the relative path from the file server specified by file server ID.	-

Layer	Node Name	Description	Mandatory
2	via_updir	1: TRUE , 0: FALSE	-
2	input_files		YES *1
3	input_file		- *2
4	input_file_path	Specify file name only (specify the path by file server directory) when file server ID is specified. Specify the input file by the absolute path on the local disk of the computer to execute batch from when the flag to use Windows shared directory is used to upload the input file.	YES
4	top_assy	Specify "1" for the file to regard as the top assembly. This is effective only when the file server is specified with "file_server_id", and the input file type is set to an assembly with "file_type=1".	-
-	/input_file	This is an end (closing) tag.	-
-	/input_files	This is an end (closing) tag.	-
2	job_lot_id	Specify the Operation to input to by its Operation ID.	YES *1
2	src_job_id	Specify the existing Job by its Job ID to reuse it.	-
2	scenario_id	Specify the Scenario ID.	-
2	components		-
3	component		YES *2
4	name	Specify the Component name.	YES
4	parameters	Specify by XML file for Component parameter type. Please refer to "39 XML File: Component Parameter Type" for the details on the format of Component parameter type XML file.	-
4	sub_components		-
5	sub_component		YES *2
6	name		YES
6	parameters		-

Layer	Node Name	Description	Mandatory
-	/sub_component	This is an end (closing) tag.	-
-	/sub_components	This is an end (closing) tag.	-
-	/component	This is an end (closing) tag.	-
-	/components	This is an end (closing) tag.	-
2	job_option	Job option	-
3	priority	Priority	-
3	is_nightly	1: TRUE , 0: FALSE	-
3	description		-
-	/job_option	This is an end (closing) tag.	-
-	/job_entry	This is an end (closing) tag.	-

*1: This is not mandatory when the same information is specified by other batch option.

*2: Multiple specification allowed.

Please refer to [6.2, “XML File for Submitting a Job”](#).

5. Result Code Table

Below are the summary of the result codes with corresponding programs.

3000s : Common for batch function
 4000s : Common for ASFALIS TransServer
 4100s : ASFALIS TransServer - JobLotRegister
 4200s : ASFALIS TransServer - JobEntry
 4300s : ASFALIS TransServer - JobState
 4400s : ASFALIS TransServer - JobDownload
 4500s : ASFALIS TransServer - JobStop

Result Code	Description	Notes
0000	Successfully completed	
0001	Invalid command option	There is some missing information for mandatory fields, or the value is specified in an invalid format.
0002	File error (Target doesn't exist, something is unusual in the file, and so on.)	Error in target file to upload or XML file.
0003	Remote file error (Target doesn't exist, something is unusual in the file, and so on.)	File error in the target file to download.
0004	Error in file transfer	
0005	Error in creating a directory for file transfer	Fail to create a sub directory to upload/download under the Windows shared directory.
0007	Specified User does not exist. User/Group cannot be found.	
0008	Specified Job pattern ID does not exist. Scenario cannot be found.	
0009	License error	There is no valid license on API.
0011	Job cannot be found.	

Result Code	Description	Notes
0012	".ini" file cannot be found.	There is some missing information for mandatory parameters in ".ini" file. "job.ini" file cannot be found, or there is some missing information for mandatory fields, or the value is specified in an invalid format.
0013	Specified Job is in the progress. There is no Component available for download.	There is no Component that Job status is "finished."
0014	The specified Job or Job set has already been completed.	
0024	Permission error on Job pattern.	
0028	Error in the input file name. Prohibited characters are included.	Error when the name includes characters restricted by "system.filename.invalid_pattern" in the [Server Configuration].
0999	Other unexpected error.	
3001	Error in XML certification	Format of XML file is invalid.
3002	Invalid request information	There is some missing information for mandatory fields, or the value is specified in an invalid format.
3003	Error in the input file name. Prohibited characters are included.	Error when the name includes characters or names that cannot be used in Windows.
3004	Error in translating the character code	
3005	Error in connecting to the server	Requested server cannot be found.
3006	Server communication timeout.	
3007	Server communication error	
3008	Error in creating a local directory	
3009	Error in reading XML schema read	The XML schema definition file for XML verification cannot be found, defined parameter is not valid, or other IO exceptions.

Result Code	Description	Notes
3501	Error in starting the following command	Failed to start command by using shell (cmd.exe), or executable file doesn't exist at the specified path.
3502	Error in processing following command	There occurred something unexpected while processing a command.
3503	Standard error output in following command	Output to standard error exists after finished a command.
4001	Invalid request	There is some missing information for mandatory fields, or the value is specified in an invalid format including the max length and so on.
4002	File error (Target doesn't exist, something is unusual in the file, and so on.)	Error in target file to upload or XML file.
4003	Remote file error (Target doesn't exist, something is unusual in the file, and so on.)	File error in the target file to download.
4004	File transfer error	
4005	Error in creating a directory for file transfer	Fail to create a sub directory to upload/download under the Windows shared directory.
4006	Wrong login name or password.	
4007	Invalid login User	
4008	Invalid session.	
4009	Windows shared directory to upload input files is not registered yet.	Insufficient parameter for ServerConfiguration. Insufficient parameter for FileServer.
4010	Windows shared directory to download output files is not registered yet.	Insufficient parameter for ServerConfiguration. Insufficient parameter for FileServer.

Result Code	Description	Notes
4011	Permission error (permission for the User/Group)	[JobLotRegister] No permission to give operation permission to User/Group. (Read, PermitDownload) [Common] Execution required to be done by User belonging UserAdmins.
4012	Permission error (permission for the Operation)	[JobEntry] Cannot submit a Job into an Operation. (Edit/Delete) Cannot refer to the Job configuration. (Read) [JobState] Cannot refer to the Job status. (Read) [JobDownload] Cannot download the output file of a Job. (Download) Cannot download log file of a Job. (Edit/Delete) Cannot download intermediate file of a Job. (Edit/Delete) [JobStop] Cannot terminate a Job. (Edit/Delete) [Common] A User who doesn't belong to JobAdmins group specifies a deleted Job.
4013	Permission error (permission for the Scenario)	[JobEntry] Cannot use a Scenario to submit a Job.
4014	Permission error (permission for the Operation type)	[JobLotRegister] No permission to create an Operation from an Operation type.
4017	Operation cannot be found.	
4018	Operation type cannot be found.	
4019	File server cannot be found.	
4020	Error in translating the character code	There is some characters which cannot be used to the directory name of Windows in the absolute path of a target file to download.

Result Code	Description	Notes
4021	Access from IP address which is not allowed.	When received a request from an IP address which is not defined as "batch.client.address" in the [server configuration].
4022	Hard limit reached on the storage free space	The remaining free storage space is below the size specified at [Server Configuration] with "system.resource.hard_limit.size" for the volume where the resource folder is, or "system.shared_directory.hard_limit.size" for the volume where the shared folder is.
4101	Operation type which creating Operations is prohibited (Default).	
4102	Operation property definition cannot be found.	
4103	Choices for operation property definition cannot be found.	
4104	Editing Operation property definition is not allowed.	
4109	Operation name is duplicate.	
4110	Operation identifier is duplicate.	
4111	Constraint violation in Operation property.	
4201	A Scenario that cannot be used in the specified Operation.	
4202	Component cannot be found.	
4203	Component parameter cannot be found.	
4204	Choices of Component parameter cannot be found.	
4205	Editing Component parameter is not allowed.	
4206	Constraint violation in Component parameter.	

Result Code	Description	Notes
4207	Input file format error.	The file format of the input file which the Scenario is expected to receive does not match with the file format of the Job which is actually submitted. The input file is not specified for a Scenario which requires the input file. The input file is specified for a Scenario which does not require the input file.
4208	Error on the input file format error (file server)	ZIP file on the file server is specified as the input file.
4209	Error on the call back after registration of a Job	No reply to a request from specified callback URL after registering a Job.
4210	The file set cannot be found.	File set of specified file set ID cannot be found.
4211	Certification code for file set ID doesn't match.	The specified certification code does not match the certification code of a file set.
4300	Exceeds the upper limit of the number of the Jobs to obtain the Job status.	When the Job ID is not specified in "JobState" request, the Job status will be output on the Jobs registered by the login User. This is the error that the number of the Jobs registered by the login User exceeds the upper limit of the number of ASFALIS TransServer.
4402	There is no file to download.	The Job status is "successfully completed," but there is no downloadable file.
4403	The file has already been deleted.	The Job status is "successfully completed," and the file to download is defined. But the actual file has been deleted.
4410	Though JobDownload has succeeded, output file(s) are not found in "DOWNDIR".	This may be because the value specified with "DOWNDIR" in "job.ini" does not match the directory specified in ASFALIS TransServer settings.

Result Code	Description	Notes
4502	The specified Job has already been deleted.	When the Job was executed by a User who belongs to JobAdmins group Permission error (permission for an Operation) for other cases than above.
4601	Operation property cannot be found.	The pair of specified Operation ID and the property key is wrong.
4602	Operation property is not the file type.	
4999	Server error.	

6. Sample XML Files

6.1. XML File for Registering an Operation

```
<?xml version="1.0"?>
<job_lot_register_request xmlns="Elysium.K2"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <job_lot_template>
    <id>1</id>
  </job_lot_template>
  <job_lot>
    <name>Bring out request 22</name>
    <unique_alias></unique_alias>
  </job_lot>
  <job_lot_properties>
    <job_lot_property>
      <key_name>number_key</key_name>
      <value>12345</value>
    </job_lot_property>
    <job_lot_property>
      <key_name>file_key</key_name>
      <value_type>file</value_type>
      <value>C:\path\to\file1.txt</value>
    </job_lot_property>
  </job_lot_properties>
  <job_lot_permissions>
    <permission>
      <permission_code>1</permission_code>
      <group_internal_name>NamedUsers</group_internal_name>
    </permission>
    <permission>
      <permission_code>2</permission_code>
      <group_id>10</group_id>
    </permission>
    <permission>
      <permission_code>3</permission_code>
      <login_name>admin</login_name>
    </permission>
  </job_lot_permissions>
</job_lot_register_request>
```

6.2. XML File for Submitting a Job

```

<?xml version="1.0"?>
<job_entry_request xmlns="Elysium.K2" xmlns:xsi="http://www.w3.org/2001/XMLSchema-
instance">
  <file_type>1</file_type>
  <via_updir>1</via_updir>
  <input_files>
    <input_file>
      <input_file_path>C:\path\to\model\wheel_set_nx.zip</input_file_path>
    </input_file>
  </input_files>
  <job_lot_id>13</job_lot_id>
  <scenario_id>7</scenario_id>
  <components>
    <component>
      <name>simplify</name>
      <parameters>
        <parameter>
          <key_name>CANVASVersion</key_name>
          <value>1</value>
        </parameter>
      </parameters>
      <sub_components>
        <sub_component>
          <name>simplify_mergeface</name>
          <parameters>
            <parameter>
              <key_name>MergeIsoparaCurveTolerance</key_name>
              <value>3</value>
            </parameter>
          </parameters>
        </sub_component>
      </sub_components>
    </component>
  </components>
  <job_option>
    <!-- Priority -->
    <priority>1</priority>
    <!--Night flag 1:ON / 0:OFF -->
    <is_nightly>0</is_nightly>
    <!-- Memo -->
    <description>Parameter setting for sub component</description>
  </job_option>
</job_entry_request>

```

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