StreamServe Persuasion SP4
Startup arguments

Reference Guide
Rev A
Startup argument reference

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Startup argument reference

The StreamServer needs a number of startup arguments. It finds the arguments in the startup argument file (*.arg). Startup arguments are automatically defined and added to the startup argument file when you export the Project from the Design Center. You can also specify arguments manually by selecting Platform > Configure Export.

A

-a

Syntax

-a <file_name>

Description

Specifies an argument file for the StreamServer to read and process.

Comment

Command line argument if the server runs stand-alone. This argument cannot be used if you start the StreamServer from Control Center.

Example

-a start.arg

-args

Syntax

-args <file_name>

Description

Specifies an argument file for the StreamServer to read and process (see -a).

Comment

Command line argument if the server runs stand-alone. This argument cannot be used if you start the StreamServer from Control Center.

This argument is identical to the -a argument.

Example

-args start.arg
**D**

### -demo

**Syntax**

```bash
-demo
```

**Description**

Runs the StreamServer in demo mode, which does not require any license.

**Comment**

In the output, the text “demo” is randomly included.

**Example**

```bash
-demo
```

### -dumpvars

**Syntax**

```bash
-dumpvars <context>
```

**Description**

Dumps variables and their values to a text file. Only variables assigned to a value at or before the specified context are written to this file.

The context is represented by a hex value listed in the table below. To dump the variables at all contexts, use hex value 0xFFFF.

A file with the dumped variables and their values is created in the deployed Project’s working directory.

The file name is `strs_dump_vars<job_ID>.txt`.

**Comment**

The Preproc phase (0x01) can only be used in combination with other contexts.

**Example**

```bash
//Enable dumping of variables assigned Before Process, execution and Preproc phases
-dumpvars 0x05 // (0x04 and 0x01)

//Enable dumping of variables assigned Before Process, Retrieved/Collect and execution phase
-dumpvars 0x06 // (0x04 and 0x02)

//Enable dumping of variables assigned After Event, execution and Preproc phases
-dumpvars 0x21 // (0x20 and 0x01)
```

---

<table>
<thead>
<tr>
<th>Context</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Preproc</td>
<td>0x01</td>
</tr>
<tr>
<td>Context</td>
<td>Value</td>
</tr>
<tr>
<td>-------------------</td>
<td>-------</td>
</tr>
<tr>
<td>Retrieved / Collect</td>
<td>0x02</td>
</tr>
<tr>
<td>Before Process</td>
<td>0x04</td>
</tr>
<tr>
<td>After Process</td>
<td>0x08</td>
</tr>
<tr>
<td>Before Event</td>
<td>0x10</td>
</tr>
<tr>
<td>After Event</td>
<td>0x20</td>
</tr>
<tr>
<td>Before Job</td>
<td>0x40</td>
</tr>
<tr>
<td>After Job</td>
<td>0x80</td>
</tr>
</tbody>
</table>
Startup argument reference

-education

Syntax
-education

Description
Runs an unlicensed version of the StreamServer in education mode for fourteen days. After the fourteen-day period has ended, you must either use a license file or run it in demo-mode (-demo).

Example
-education

-evaluation

Syntax
-evaluation

Description
 Runs an unlicensed version of the StreamServer in evaluation mode for fourteen days. After the fourteen-day period has ended, you must either use a license file or run it in demo mode (-demo).

Example
-evaluation
-grb

Syntax
-grb <path>

Description
- Only applicable if you record sample files.
- Specifies where sample files are saved when you run the StreamServer with the startup arguments -rec or -reconly.

Example
-grb C:\StreamServe\Server\grb

-grbcodepage

Syntax
-grbcodepage <code_page>

Where <code_page> is the name of the new code page.

Description
- Only applicable if you record sample files.
- Converts the code page of a recorded sample file to the code page included in the argument.

Comment
- Use this startup argument when you record sample files, where the code page in the sample file is not supported by StreamServe. You can then use the recorded sample file when you configure the StreamServe Project.
- For more information about recording sample files, see the PageIN documentation.

Example
-grbcodepage cp866_DOSCyrillicRussian
**-ignorejobdefs**

**Syntax**  
-ignorejobdefs <jobdef1> [:<jobdef2>:<jobdef3>,...]

**Description**  
Ignores all settings done for a job definition. For example, runtime connector and archiver settings. By ignoring job definition settings, variables defined in a specific job keep their values across different Messages in different job definitions.

**Comment**  
Use this startup argument if you use an upgraded Project from 3.0.1 or earlier where one or more Messages did not belong to a job definition. By ignoring job definition settings this way, you emulate the behavior of the 3.0.1 (or older) version where variable values were kept from previous Messages in the Messages not belonging to any job definition.

If you specify to -includejobdefs for the same job definition, the ignore setting overrules the include setting.

**Note:** This startup argument is deprecated and it may be removed in future releases of StreamServe software without any prior notice given.

**Example**  
-ignorejobdefs jd1:jd2:jd4

**-includejobdefs**

**Syntax**  
-includejobdefs <jobdef1> [:<jobdef2>:<jobdef3>,...]

**Description**  
Does the opposite from -ignorejobdefs by including all settings done for a job definition. This means also that all other job definitions in the job will be ignored.

**Comment**  
If you specify to -ignorejobdefs for the same job definition, the ignore setting overrules the include setting.

**Note:** This startup argument is deprecated and it may be removed in future releases of StreamServe software without any prior notice given.

**Example**  
-includejobdefs jd3:jd5
Startp argument reference

J

-java-options

Syntax
-\textit{java-options} <property>

Description
Specifies the initial naming factory property for JNDI (Java Naming and Directory Interface).

Example
-\textit{java-options}
\texttt{Djava.naming.factory.initial=com.sun.jndi.fscontext.RefFSCon
textFactory}

-java-user-class-path

Syntax
-\textit{java-user-class-path} <path> <path>

Description
Specifies additional paths, libraries and JAR-files from which java classes can be loaded. This is the same as the \textit{java -classpath} argument.

Example
Windows:
-\textit{java-user-class-path} c:\jndi.jar; c:\myjavaclasses
Unix:
-\textit{java-user-class-path} /usr/local/app/jndi.ar:/opt/
streamserve/myjavaclasses
-langfile

Syntax

-langfile <file_name.sls> [,<lang_code>,<lang_code>,...]  
  - <filename.sls> specifies the name of the language file (*.sls)  
  - <lang_code> specify the language codes you want to use.

Description

Used with *.sls files. Specifies the name of the language file, and the  
language files within that file, to use.

Only applicable if you use StreamServe Language Sets files in the Project.  
Only applicable for PageOUT.

Enables the StreamServer to dynamically change the language used in a  
PageOUT Process.

Comment

If you specify language codes, the StreamServer will ignore any language  
code not specified here. However, if you do not specify any language codes  
at all, the StreamServer will read all language codes specified in the  
StreamServe Language Sets file.

Example

-langfile language.sls,eng,swe

-ldapsslcertdb

Syntax

-ldapsslcertdb <file>  
Where <file> is the path to the cert7.db certificate database.

Description

Enables the use of the LdapConnectSSL script function to authenticate the  
connection to the LDAP server.

Comment

This argument is required if you are setting up SSL communication  
between the StreamServer and the Sun(IPlanet)Directory Server(LDAP  
Server). Other LDAP servers are not supported. Follow the instructions in  
the manual for setting up SSL.

Example

-ldapsslcertdb cert7.db
-ldapSslKeyDb

Syntax
-ldapSslKeyDb <file>

Where <file> is the path to the key3.db key database.

Description
Enables the use of the LdapConnectSSLCCA script function to authenticate the connection to the LDAP server.

Comment
You must use this argument together with the -ldapsslcertdb argument. This argument is required if you are setting up SSL communication between the StreamServer and the Sun(IPlanet)Directory Server(LDAP Server). Other LDAP servers are not supported. Follow the instructions in the manual for setting up SSL.

Example
-ldapsslcertdb cert7.db
-ldapSslKeyDb key3.db

-licfile

Syntax
-licfile <filename>

Description
Specifies the license file.

Comment
Can only be used as an argument when you start the StreamServer from command line, that is it can not be used in the startup argument file (*.arg).

Example
-licfile c:\streamserve\lic\strs.lic

-localpersistpath

Syntax
-localpersistpath <path>

Description
All LOCAL mode repositories and files used locally to generate unique IDs are stored under <exportdir>\data\data by default. You can move the directory to a different location, and use this startup argument to specify the new path to the directory.
Comment
If any of the following directories have been set up in an earlier StreamServe installation:

- `<exportdir>\data\jr`
- `<exportdir>\data\transactions`

you must stop the StreamServer, and move these directories to the new location, before changing the repository path.

Example
`-localpersistpath C:\localdata\repositories`

-logcp

Syntax
`-logcp <code_page>`

Description
Specifies a code page for the StreamServer log.

Comments
- Applies to StreamServers run from the command line.
- If the characters displayed in the log conform to Latin 1 you do not have to specify this argument.

Example
`-logcp cp862_DOSGreek`

-logfilecp

Syntax
`-logfilecp <code_page>`

Description
Specifies a code page for the StreamServer log file.

Comments
- Applies to StreamServers run from Control Center.
- If the characters displayed in the log conform to Latin 1 you do not have to specify this argument.
- To enable Control Center to display “non-Latin 1” characters correctly in the log, you must specify UTF-8 as code page.

Example
`-logfilecp UTF-8`
-lotusnotes

Syntax: `-lotusnotes`

Description: Only applicable if you use a Lotus Notes output connector. Enables the use of Lotus Notes output connectors.

Example: `-lotusnotes`

-lxfcachedynamic

Syntax: `-lxfcachedynamic`

Description: Turns on caching of dynamic overlays. Dynamic overlays are not cached by default because they decrease the performance of static overlays during larger jobs.

Comments: When enabled, dynamic overlays stay in the cache between the preprocess and runtime phases and are not removed until after runtime is finished.

Example: `-lxfcachedynamic`

-lxfcachesize

Syntax: `-lxfcachesize <n>` where `<n>` must be an integer greater than zero.

Description: Controls the number of cache items (LXF documents) that can be stored in the server.

Comments: The cache will always try to cache static overlays. Static overlays stay in the cache as long as possible, and are only discarded when the server is shut down.

Dynamic overlays (created in PreformatIN) are not cached by default because they decrease the performance of static overlays during larger jobs. To cache dynamic overlays, see `lxfcachedynamic`.

Example: `-lxfcachesize 20`
M

-maxinfiles

Syntax       -maxinfiles <n>
Description   Number of files that are scanned when directory scan is used.
               The server exits when the amount of files are scanned.
Comment      For test only.
Example       -maxinfiles 5

-maxsortnodes

Syntax       -maxsortnodes <n>
Description   Assigns a maximum number of sorting nodes.
Comment      Only applicable with sorting.
               An internal list with sorting keys consumes internal memory. You can limit
               the size of the list to save time (less nodes are allocated).

-mbytefile

Syntax       -mbytefile <path>
Where <path> is the full path and file name to the required multibyte file.
Description   A unicode startup argument. Used if the multibyte file ssmbyte.dat is not
               located in any of its ordinary directories, or if you want to use another file.
Comment      The StreamServe installation includes a default file, ssmbyte.dat,
               containing conversions between Unicode and multibyte code pages.
               The StreamServer will try to locate ssmbyte.dat according to the
               operating system platform you are using. However, if the file is located
               elsewhere, or if you want to use another file, you can specify a different
               location by using the startup argument: -mbytefile
Example

-mbytefile <path>
-norecgrb

Syntax: `-norecgrb`

Description: This argument is used together with the `-rec` argument. The `-norecgrb` argument instructs the StreamServer not to generate separate sample files for each input page. See the `-rec` argument for more information.

Example: `-norecgrb`

-nstack

Syntax: `-nstack <n>`

Description: Specifies the size of the script expression size stack. Default is 50.

Comment: Rarely used. You can receive an “overflow” by using extremely large mathematical expressions.
-odbctimeout

Syntax: -odbctimeout <n>
Description: Used to connect to the database.
Comment: Specifies the occurrence of a time-out defined in seconds. The default time-out occurs every 30 seconds.
Example: -odbctimeout 60

-optalias

Syntax: -optalias <file_name>
Description:Overrides the default overlay alias file name (optalias) with the specified file name.
Comment: optalias is a default alias file name. optalias is a lookup table. This could be another way of loading a lookup table.
Example: -optalias new_alias.txt

-overlayfirstonpage

Syntax: -overlayfirstonpage
Description: Used with PCL and LIPS drivers to print the overlay before the processed output, for example if the PCL output contains white text printed over overlay objects.
Comment: Overlays are sent to the driver before the processed output, except for the PCL and LIPS drivers. If you use the PCL or LIPS driver and you want the overlay to be sent to the driver before the overlay, you must use the overlayfirstonpage argument.
Example

-overlayfirstonpage
-parse

Syntax: -parse

Description: Reads syntax to see if it is correct and then exits.

Comment: Use this argument for syntax testing before runtime. For example to test *.dux files.

-pcl2pdfarg

Syntax: -pcl2pdfarg -ru:1

Description: Only applicable to PDF (PCL Convert) output.
If you have specified to download a soft font file when data is sent to a output connector, and have selected PDF (PCL Convert) as the device, you must add this argument.

Example: -pcl2pdfarg -ru:1

-pid

Syntax: -pid <filename>

Description: Enables the StreamServer to write its PID in the specified file at start-up.
The PID can be used later for termination.

Example: -pid <filename>
### -preloadmorefontdata

**Syntax**

```plaintext
-preloadmorefontdata
```

**Description**

Improves performance by preloading all font data required for text layout calculations in the XFA Processor. This will generally reduce the need for drivers to load additional font data which also can improve performance. However, an increase in startup time and runtime memory consumption can be expected.

**Example**

```plaintext
-preloadmorefontdata
```

### -prn

**Syntax**

```plaintext
-prn <path>
```

**Description**

Only applicable if you use PRN overlays. Specifies the path for overlay files.

**Comment**

- The path is specified in relation to the Application root directory.
- If you insert the `-prn` argument before the `<file_name.dua>` argument, this argument overrides the directory specified in the StreamServe configuration.

**Example**

```plaintext
-prn files
```

### -prnalias

**Syntax**

```plaintext
-prnalias <file_name>
```

**Description**

Overwrites the default overlay alias file name (`prnalias`) with the specified file name.

**Comment**

`prnalias` is a default alias file name.

`prnalias` is a lookup table. This could be another way of loading a lookup table.

**Example**

```plaintext
-prnalias new_alias.txt
```
-quealias

Syntax: `-quealias <file_name>`

Description: Overrides the default connector alias file name (`quealias`) with the specified file name.

Example: `-quealias new_alias.txt`
**-rec**

**Syntax**
-rec

**Description**
Instructs the StreamServer to record the input data and create sample files. In addition to creating the sample files, the StreamServer also creates ordinary output data via a PageIN Event and an appropriate Process. If you only want to create a sample file, and no output data, you must use the -reconly argument instead of the -rec argument.

The sample files are created in the directory specified by the -grb argument. The following sample files are created:

- `<event name><sequence number>.grb`. Each page recorded generates a separate sample file. You can use the norecgrb argument together with -rec if you do not want to generate these sample files.

- `allpages.<input connector name>`. Each page recorded is appended to this sample file.

**Comment**
The number of columns and lines that are recorded and included on one page in the `<event name><sequence number>.grb` file, is based on the page size in the PageIN configuration:

- Columns outside the specified page size are discarded.
- Lines outside the specified page size are included in the following `<event name><sequence number>.grb` file.

The `allpages.<input connector name>` sample file is not affected by the page size specified in the PageIN configuration. All columns and lines are recorded and included in the file.

**Example**
-rec

**-reconly**

**Syntax**
-reconly <columns>,<lines>
Description
Instructs the StreamServer to record the input data and create a sample file. If you also want to create output data you must use the -rec argument instead of -reconly.

All pages recorded are appended to the sample file allpages.<input connector name>. This file is created in the directory specified by the -grb argument.

Comment
You must specify values for <columns>,<lines>. These values are only for backward compatibility and are ignored by the StreamServer.

You can also specify record-only mode in the Platform configuration.

For more information about how to use the -reconly startup argument, see the PageIN documentation.

Example
-reconly 140,100

-reducenotifications

Syntax
-reducenotifications

Description
Instructs the server to only generate notifications with a type requested by an external observer or a Status Messenger input connector.

Comment
When running large input jobs it is more efficient to use the reducenotifications than to store all notifications and let the observer choose among them. The methods may be combined.

Example
-reducenotifications

-rmlog

Syntax
-rmlog <file>

Description
Ensures that the logfile is deleted and recreated at startup.

Comment
The -rmlog argument does not work if you run the StreamServer as a service.

Example
-rmlog ./logs/strs.log
S

-shareddatapath

Syntax
-shareddatapath

Description
Specifies the installation catalogue with the configuration files.

Comment
The "config" in the server directory is default in Unix. This option is used to specify another directory path for configuration files.

Example
-shareddatapath <config directory>

-sortdef

Syntax
-sortdef <filename>

Description
If you use the sort script function to sort processes, you must include an ASCII file, usually named sortdef in the startup argument file. The sortdef argument contains sort definitions.

Example
-sortdef sortdef.txt

-sprog

Syntax
-sprog <n>

Where <n> specifies a number greater than 500.

Description
Allocates memory for scripts, for example the total number of bytes in the memory area. The default size is 10,000.

Comment
Only use this argument if you need to allocate more than 10,000 bytes.

Example
-sprog 25000
-statusevent

**Syntax**
```
-statusevent 0
```

**Description**
Disables processing of ready status events. This means that no “Job completed” messages are added to the log and no status messenger events are consumed by the server instance.

**Note:** In the Job status configuration dialog, you must set **Report status** to **When delivered from the output queue**

---

-statusreporter

**Syntax**
```
-statusreporter
```

**Description**
Tracking and status reporting in a shared queue environment requires that one StreamServer is defined as the status reporting server. You use this startup argument to define a StreamServer as the status reporting server.

---

-stdin

**Syntax**
```
-stdin <file_name>
```

**Description**
Assigns a file to the StdIn file descriptor.

**Comment**
This argument is only valid when using the StdIn input connector.
Equivalent with redirection in `CommunicationServer <file_name>`

---

-sync

**Syntax**
```
-sync
```

**Description**
Synchronizes output jobs with the input processing. The status of the output job is propagated back to the processing job. This argument can be necessary to get correct status returned by the `GetJobStatus()` script function.
Comment

This argument can reduce performance of the server.
-tbl

Syntax
-tbl

Description
Assigns a path to the tbl-files (filter).

Comment
Is comparable to -prn

-tcinterval

Syntax
-tcinterval <days>
Where *days* is the number of days between the reports.

Description
Enables the use of the Transaction Counter in the StreamServer. The Transaction Counter has been replaced by the Communications Reporter in version 4.1.2 of the StreamServer.

Example
-tcinterval 2

<td

Syntax
-td \path\\\directory

Description
Specifies the path and name of an alternative temporary directory for a Project.

Comment
The default temporary directory (*tmp*) resides in the working directory and can grow unrestrictedly. Use this argument to specify an alternative temporary directory outside the working directory.

**Note:** Specify a directory that the StreamServer can easily and quickly access.

Example
-td D:\StreamServe\TemporaryDirectory
### -tmpcompress

**Syntax**  
-tmpcompress

**Description**  
Compresses certain temporary files during the collect/preprocess/output sort phase.

**Comment**  
More CPU resources are used when using this argument, but less writing to disk is performed.  
This means if you have really fast CPUs and slow disks, this argument can increase performance considerably. In the unlikely case that you have slow CPUs and fast disks, it could do nothing, or decrease overall performance slightly.

If a system's disk cache has a high hit rate, and does not fill up, this argument is usually unnecessary. This is often the case with realtime jobs.

If, during times of peak load, disk utilization is high but CPU utilization is low, then this argument will usually help. This is often the case with batch jobs, particularly large ones.
-v

Syntax: `-v`
Description: The StreamServer prints its version on standard error.

-var

Syntax: `-var <variable_1>=<variable_2>`
Description: An opportunity to create a variable when starting the server.
Comment: Read-only. Cannot change later.
Example: `-var dest=file.txt`
-wsin

Syntax: -wsin <file>

Description: Records a list of all incoming data that the StreamServer identifies. The list is recorded in the specified file.

Use the -wsin argument to produce a file containing a copy of the Message, showing the actual data in the Fields and Blocks that you have specified, and in the order in which StreamServe will process them.

Comment: This argument is used during the testing phase since it is able to copy everything that will be processed in a file(s).
-xsdimport

**Syntax**

```
-xsdimport 0|1
```

**Description**

Used together with XMLIN Events and XML schemas. Specifies when to load the XML schemas defined in the namespace/schema location mapping table. Any settings in the mapping table will override `-xsdimport`.

0: load the schemas at StreamServer start-up.

1: load a schema when receiving input related to the schema. The schema must be read and parsed before validation.

**Example**

```
-xsdimport 1
```