

# **Universal Connector for SAP 7.7.x Quick Reference Guide**

Universal Agent 7.7.x

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# 1 Overview

Quick Reference information for Universal Connector for SAP 7.0.x is located on the following pages:

- [Universal Connector for SAP 7.7.x Quick Reference Guide - Commands](#) (and command-specific configuration options)
- [Universal Connector for SAP 7.7.x Quick Reference Guide - Configuration Options for Program Execution](#)
- [Universal Connector for SAP 7.7.x Quick Reference Guide - Environment Variables](#)

## 2 Universal Connector for SAP 7.7.x Quick Reference Guide - Commands

### 3 Universal Connector for SAP 7.7.x Quick Reference Guide - Configuration Options for Program Execution

#### 3.1 OPTIONS { HOST USER [CFT] [COMMAND FILE] [EXIT CODES] [INFORMATIONAL] [LOCAL] [MESSAGE] [RFC] }

##### 3.1.1 HOST {-dest -client | -ashost -sysnr -client [-gwhost] [-gwserv] | -r3name -mahost [-group]} -max\_xbp -saplang -xmiaudit

Long Form	Short Form	Description
-dest <i>destination</i>	-e <i>destination</i>	Destination name in the saprfc.ini.
-client <i>client</i>	-c <i>client</i>	SAP client number for a Type A RFC connection.
-ashost <i>hostname</i>	n/a	Host name of an SAP application server for a Type A RFC connection.
-sysnr <i>number</i>	n/a	SAP system number of an SAP application server for a Type A RFC Connection.
-gwhost <i>host</i>	n/a	Host name of the SAP gateway for a Type A RFC connection.
-gwserv <i>service</i>	n/a	Service name of the SAP gateway for a Type A RFC connection.
-r3name <i>name</i>	n/a	System ID of the SAP system to which you want to connect for a Type B RFC connection.
-mshost <i>host</i>	n/a	Host name of the message server for a Type B RFC connection.
-group <i>groupname</i>	n/a	Name of the group of application servers for a Type B RFC connection.
-max_xbp <i>version</i>	n/a	Maximum version of the SAP XBP interface that will be used during USAP execution.
-saplang <i>language</i>	n/a	SAP logon language used for the USAP session
-xmiaudit <i>level</i>	n/a	Sets the XMI audit level to be used for the execution of the command. The amount of information logged in the XMI log increases with higher audit level values.  Valid values are 0, 1, 2, and 3.  Default is 0.

### 3.1.1.1 USER -userid -pwd

Long Form	Short Form	Description
-userid <i>userid</i>	-u <i>userid</i>	Remote SAP user ID with which the command runs.
-pwd <i>password</i>	-w <i>password</i>	Remote SAP user ID's password.

### 3.1.2 CFT [-cmdid] [-restart] [-autorestartok] [-cft\_abap] [-cft\_cmd\_prefix] [-cft\_secure\_cft] [-cft\_target\_host]

Long Form	Short Form	Description
-cmdid <i>id</i>	-C	Command identifier: associates an SAP job with the Universal Connector command that started it. This value facilitates fault tolerance/restartability.
-restart <i>option</i>	n/a	Identifies whether or not this instance of the USAP job is a restart attempt. Valid values are YES, NO, and AUTO. If YES or AUTO, -cmdid is required.
-autorestartok <i>option</i>	n/a	Controls whether or not 'AUTO' is allowed for the -restart option. Valid values are YES and NO. Default is NO.
-cft_cmd_prefix <i>prefix</i>	n/a	Prefix command required for the operating system of the target host. This option is used with (and only applies to) the command ID option.
-cft_target_host <i>host</i>	n/a	Target host to use for the command ID job step when the command ID option is used.
-cft_abap <i>program</i>	n/a	ABAP program to use for the command ID job step..
-cft_secure_cft <i>option</i>	n/a	Mode of client fault tolerance to be used for the command invocation.

### 3.1.3 COMMAND FILE [-file | -encryptedfile [-key] ]

Long Form	Short Form	Description
-file <i>file</i>	-f	Name of a plain text command options file.
-encryptedfile <i>file</i>	-x	Name of an encrypted command options file.
-key <i>key</i>	-K	Key used to encrypt the encrypted command options file.

### 3.1.4 EXIT CODES [-activeec] [-readyec] [-scheduledec] [-releasedec] [-terminatedec] [-finishedec]

Long Form	Short Form	Description
-activeec <i>exitcode</i>	n/a	USAP exit code for the job active status.
-readyec <i>exitcode</i>	n/a	USAP exit code for the job ready status.
-scheduledec <i>exitcode</i>	n/a	USAP exit code for the job scheduled status.
-releasedec <i>exitcode</i>	n/a	USAP exit code for the job released status.
-terminatedec <i>exitcode</i>	n/a	USAP exit code for the job terminated status.
-finishedec <i>exitcode</i>	n/a	USAP exit code for the job finished status.

### 3.1.5 INFORMATIONAL { -help | -version }

Long Form	Short Form	Description
-help	-h	Writes help text.
-version	-v	Writes program version and exit.

### 3.1.6 LOCAL [-system\_id] [-bif\_directory] [-plf\_directory]

Long Form	Short Form	Description
-system_id <i>id</i> <sup>z</sup>	n/a	Local Universal Broker with which USAP must register.
-bif_directory <i>directory</i> <sup>u</sup>	n/a	Broker Interface File (BIF) directory where the Universal Broker interface file is located
-plf_directory <i>directory</i> <sup>u</sup>	n/a	Program Lock File (PLF) directory where the program lock files are located.
<sup>z</sup> Valid only with z/OS.		
<sup>u</sup> Valid only with UNIX.		

### 3.1.7 MESSAGE [-level] [-lang] [-trace\_file\_lines] [-trace\_table]

Long Form	Short Form	Description
-level <i>level</i>	-l <level>	Message level: trace, audit, info, warn, or error.

Long Form	Short Form	Description
-lang <i>language</i>	-L <lang>	Message and text language.
-trace_file_lines <i>lines</i>	n/a	Maximum number of lines to write to the trace table.
-trace_table <i>size,condition</i>	n/a	Trace table size, and under what condition it is written to a file.

### 3.1.8 RFC [-rfc\_listen\_interval] [-rfc\_logon\_retry\_count] [-rfc\_logon\_retry\_interval] [-rfc\_retry\_count] [-rfc\_retry\_interval] [-rfc\_timeout] [-rfc\_trace\_dir]

Long Form	Short Form	Description
-rfc_listen_interval <i>interval</i>	n/a	Number of seconds that will elapse between RFC listen calls. These are polling calls that are performed repeatedly to determine if an RFC event is available.
-rfc_logon_retry_count <i>count</i>	n/a	Number of unsuccessful RFC logon retry attempts that can occur before USAP terminates the logon process and ends unsuccessfully.
-rfc_logon_retry_interval <i>interval</i>	n/a	Number of seconds that will elapse between a failed RFC logon attempt and the retry of that logon attempt.
-rfc_retry_count <i>count</i>	n/a	Number of unsuccessful RFC call retry attempts that can occur before USAP terminates the RFC call retry process and ends unsuccessfully.
-rfc_retry_interval <i>interval</i>	n/a	Number of seconds that will elapse between a failed RFC call and the retry of that RFC call.
-rfc_timeout <i>interval</i>	n/a	Time constraint on all RFC functions, with the exception of blocking connection calls: the number of seconds that can elapse before USAP considers an RFC call to have timed out.
-rfc_trace_dir <i>path</i>	n/a	Directory where RFC trace files will be written. Default is /tmp.

## 4 Universal Connector for SAP 7.7.x Quick Reference Guide - Environment Variables

### 4.1 ENVIRONMENT VARIABLES

The following table contains the environment variables that Universal Connector uses. The first column is their equivalent command line option. Command line options override environment variable settings.

Command Line Option	Environment Variable
-userid	USAPUSERID
-pwd	USAPPWD
-level	USAPDLEVEL
-lang	USAPDLANG
-sub	USAPSUBMIT
-mod	USAPMODIFY
-run	USAPRUN
-start	USAPSTART
-abort	USAPABORT
-purge	USAPPURGE
-wait	USAPWAIT
-syntax	USAPSYNTAX
-dest	USAPDEST
-client	USAPCLIENT
-targetserver	USAPTARGETSRV
-jobname	USAPJOBNAME
-jobid	USAPJOBID
-stepnum	USAPSTEPNUM
-abapname	USAPABAPNAME
-varselopt	USAPVARSELOPT
-poll	USAPPOLL

Command Line Option	Environment Variable
-transtab	USAPTRANSTAB
-spoollist	USAPSPOLLIST
-joblog	USAPJOBLOG
-output	USAPOUTPUT
-selusername	USAPSELUSERNAME
-fromdate	USAPFROMDATE
-todate	USAPTODATE
-fromtime	USAPFROMTIME
-totime	USAPTOTIME
-nodate	USAPNODATE
-withpred	USAPWITHPRED
-released	USAPRELEASED
-scheduled	USAPSCCHEDULED
-ready	USAPREADY
-running	USAPRUNNING
-finished	USAPFINISHED
-aborted	USAPABORTED
-xmiaudit	USAPXMIAUDIT
-activeec	USAPACTIVEEXITCODE
-readyec	USAPREADYEXITCODE
-scheduledec	USAPSCCHEDULEDEXITCODE
-releasedec	USAPRELEASEDEXITCODE
-terminatedec	USAPTERMINATEDEXITCODE
-finishedec	USAPFINISHEDEXITCODE
-rfc_timeout	USAP_RFC_TIMEOUT
-rfc_logon_timeout	USAP_RFC_LOGON_TIMEOUT
-rfc_logon_retry_interval	USAP_RFC_LOGON_RETRY_INTERVAL
-rfc_logon_retry_count	USAP_RFC_LOGON_RETRY_COUNT
-rfc_listen_interval	USAP_RFC_LISTEN_INTERVAL

Command Line Option	Environment Variable
-rfc_retry_interval	USAP_RFC_RETRY_INTERVAL
-rfc_retry_count	USAP_RFC_RETRY_COUNT

### 4.1.1 Example

The following example:

1. Defines a SAP job based on the job definition in file sapjob1.usp.
2. Starts the job.
3. Waits for its completion.

The job's joblog is written to standard error and the job's spoollists are written to standard output.

```
usap -userid MYUSER -pwd MYPASS -dest BIN_HS0011 -client 900 -sub sapjob1.usp -start -wait
```