



# **Universal Connector**

## Reference Guide

Indesca / Infitran

Version 4.1.0



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# Universal Connector

## Reference Guide

### Indesca / Infitran 4.1.0

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Universal Connector	√	√			

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# Summary of Changes

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## Changes for Universal Controller 4.1.0 Reference Guide (usap-ref-4101) October 29, 2010

- Changed configuration file keyword from **Client** to **client** in Section [2.12 CLIENT](#).
- Modified the configuration option description in:
  - Section [2.19 ENCRYPT\\_FILE](#)
  - Section [2.36 FILE\\_NAME](#)
- Added the USAPFROMTIME environment variable to Section [2.38 FROM\\_TIME](#).
- Add the USAPTOTIME environment variable to Section [2.106 TO\\_TIME](#).

## Changes for Universal Connector 4.1.0 Reference Guide (usap-ref-4100) February 10, 2010

### Universal Connector 4.1.0.0

- Added the following options in [Chapter 2 Universal Connector Configuration Options](#):
  - [MASS\\_ACTIVITY\\_WAIT](#)
  - [RETURN\\_APPLICATION\\_LOG](#)
  - [RETURN\\_APPLICATION\\_RC](#)
  - [USE\\_APPLICATION\\_RC](#)

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**Changes for Universal Controller 3.2.0 User Guide  
(usap-user-3204)  
September 8, 2009**

**Universal Connector 3.2.0.2**

- Added [SPOOL\\_CODEPAGE](#) configuration option.

**Changes for Universal Connector 3.2.0 Reference Guide  
(usap-ref-3203)  
April 1, 2009**

**Universal Connector 3.2.0.1**

- Added " " as a value for the [LOGON\\_LANGUAGE](#) configuration option.
- Added audit as a value for the [MESSAGE\\_LEVEL](#) configuration option.
- Added the following configuration options:
  - [INSTALLATION\\_DIRECTORY](#)
  - [SERVER\\_STOP\\_CONDITIONS](#)
  - [TARGET\\_VARIANT](#)

**Changes for Universal Connector 3.2.0 Reference Guide  
(usap-ref-3202)  
December 17, 2008**

- Changed the name of the environment variable for the [SYSTEM\\_ID](#) configuration option from [USAPSYSTEM](#) to [USAPSYSTEMID](#).

**Changes for Universal Connector 3.2.0 Reference Guide  
(usap-ref-3201)  
September 5, 2008**

- Added toll-free telephone number for North America in [Appendix A Customer Support](#).

**Changes for Universal Connector 3.2.0 Reference Guide  
(usap-ref-320)  
May 16, 2008**

**Universal Connector 3.2.0.0**

- Added the following configuration options in [Chapter 2 Universal Connector Configuration Options](#):
  - [ACTIVITY\\_MONITORING](#)

- AS\_HOST
- BIF\_DIRECTORY
- DISPLAY\_CLIENT
- EVENT\_GENERATION
- MAX\_XBP
- PLF\_DIRECTORY
- SYSTEM\_ID
- SYSTEM\_NUMBER
- TRACE\_FILE\_LINES
- TRACE\_TABLE
- VARIANT\_LANGUAGE
- Removed the following configuration options from [Chapter 2 Universal Connector Configuration Options](#):
  - RETURN\_CODE\_PAIR\_00
  - RETURN\_CODE\_PAIR\_04
  - RETURN\_CODE\_PAIR\_08
  - RETURN\_CODE\_PAIR\_16

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# Preface

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## Document Structure

This document is written using specific conventions for text formatting and according to a specific document structure in order to make it as useful as possible for the largest audience. The following sections describe the document formatting conventions and organization.

## Cross-Reference Links

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This document contains cross-reference links to information in its companion document, the Universal Connector User Guide.

In order for the links to work correctly:

- Place the documents in the same folder.
- In Adobe Reader / Adobe Acrobat, de-select **Open cross-document link in same window** in the **General** category of your **Preferences** dialog (selected from the **Edit** menu).

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## Conventions

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Specific text formatting conventions are used within this document to represent different information. The following conventions are used.

### Typeface and Fonts

This document provides tables that identify how information is used. These tables identify values and/or rules that are either pre-defined or user-defined:

- *Italics* denotes user-supplied information.
- **Boldface** indicates pre-defined information.

Elsewhere in this document, **This Font** identifies specific names of different types of information, such as file names or directories (for example, `\abc\123\help.txt`).

### Operating System-Specific Text

Most of this document describes the product in the context of all supported operating systems. At times, it is necessary to refer to operating system-specific information. This information is introduced with a special header, which is followed by the operating system-specific text in a different font size from the normal text.

**z/OS**

This text pertains specifically to the z/OS line of operating systems.

This text resumes the information pertaining to all operating systems.

### Tips from the Stoneman



#### **Stoneman's Tip**

Look to the Stoneman for suggestions  
or for any other information  
that requires special attention.

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## Vendor References

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References are made throughout this document to a variety of vendor operating systems. We attempt to use the most current product names when referencing vendor software.

The following names are used within this document:

- **z/OS** is synonymous with IBM z/OS and IBM OS/390 line of operating systems.
- **Windows** is synonymous with Microsoft's Windows 2000 / 2003 / 2008, Windows XP, Windows Vista, and Windows 7 lines of operating systems. Any differences between the different systems will be noted.
- **UNIX** is synonymous with operating systems based on AT&T and BSD origins and the Linux operating system.

Note: These names do not imply software support in any manner. For a detailed list of supported operating systems, see the Universal Products 4.1.0 Installation Guide.



# Document Organization

The document is organized into the following chapters:

- [Overview](#) (Chapter 1)  
Introduction to the reference information in this document.
- [Universal Connector Configuration Options](#) (Chapter 2)  
Detailed information on all Universal Connector configuration options for all operating systems.
- [Customer Support](#) (Appendix A)  
Customer support contact information for Universal Connector.

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# Chapter 1 Overview

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## 1.1 Overview

The Universal Connector 4.1.0 Reference Guide is a companion document to the Universal Connector 4.1.0 User Guide.

It provides technical detail for the information and procedures presented in that document:

- Universal Connector options
- Additional information

## 1.2 Configuration Options Information

For each configuration option, this chapter provides the following information.

### Description

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Describes the configuration option and how it is used.

### Usage

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Provides a table of the following information:

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	<Format / Value>					
Command Line Option, Long Form	<Format / Value>					
Environment Variable	<Format / Value>					
Configuration File Keyword	<Format / Value>					

### Method

Identifies the different methods used to specify Universal Connector configuration options:

- Command Line Option, Short Form
- Command Line Option, Long Form
- Environment Variable
- Configuration File Keyword

Note: Each option can be specified using one or more methods.

---

## Syntax

Identifies the syntax of each method that can be used to specify the option:

- **Format** Specific characters that identify the option.
- **Value** Type of value(s) to be supplied for this method.

Note: If a Method is not valid for specifying the option, the Syntax field contains n/a.

## (Operating System)

Identifies (with a ✓) the operating systems for which each method of specifying the option is valid:

- OS/400
- HP NonStop
- UNIX
- Windows
- z/OS

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## Values

Identifies all possible values for the specified value type.

Defaults are identified in **[bracketed bold type]**.

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## <Additional Information>

Identifies any additional information specific to the option.

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# Chapter 2

# Universal Connector

# Configuration Options

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## 2.1 Overview

This chapter contains an alphabetical list of all Universal Connector configuration options.

## 2.2 Configuration Options List

Table 2.1, below, identifies all Universal Connector configuration options.

The **Page** column provides a link to detailed information about each option.

Option	Description	Page
ABAP_NAME	Name of an ABAP program in an SAP system.	<a href="#">27</a>
ACTIVITY_MONITORING	Specification for whether or not product activity monitoring events are generated.	<a href="#">28</a>
ALLOW_AUTO_RESTART	Specification for whether or not a RESTART value of <b>AUTO</b> will be allowed.	<a href="#">29</a>
AS_HOST	Host name of an SAP application server.	<a href="#">30</a>
BATCH_MONITOR	Causes USAP to perform batch input monitoring for the job being started.	<a href="#">31</a>
BIF_DIRECTORY	Broker Interface Directory that specifies the location of the Universal Broker interface file.	<a href="#">32</a>
CFT_ABAP_PROGRAM	ABAP program to use for the command ID job step.	<a href="#">33</a>
CFT_COMMAND_PREFIX	In pre-XBP 2.0 CFT mode, the prefix command required for the operating system of the target host.	<a href="#">34</a>
CFT_TARGET_HOST	In pre-XBP 2.0 CFT mode, the target host to use for the command ID job step when the command ID option is used.	<a href="#">35</a>
CLIENT	SAP client number.	<a href="#">36</a>
CM_ID	Name of the CM communication to be started.	<a href="#">37</a>
CM_MODE	Starting mode of a CM Communication.	<a href="#">38</a>
CM_TOKEN	Unique character string used to prefix SAP jobs.	<a href="#">39</a>
COMMAND_ID	Identifier used to identify the unit of work represented by a USAP command and the associated SAP job.	<a href="#">40</a>
DESTINATION	Name of a destination defined in the <b>saprfc.ini</b> file.	<a href="#">41</a>
DISPLAY_CLIENT	Identify a specific SAP client whose intercepted jobs will be reported.	<a href="#">42</a>
ENCRYPT_FILE	Name of an encrypted command file.	<a href="#">43</a>
ENCRYPTION_KEY	Key used to encrypt the command file.	<a href="#">44</a>
EVENT_GENERATION	Events to be generated as persistent events.	<a href="#">45</a>
EVENT_ID	Name of the event.	<a href="#">47</a>
EVENT_PARAMETER	Optional parameter value for the event.	<a href="#">48</a>
EXIT_JOB_ACTIVE	USAP exit code for the SAP job <b>active</b> status.	<a href="#">49</a>
EXIT_JOB_FINISHED	USAP exit code for the SAP job <b>finished</b> status.	<a href="#">50</a>
EXIT_JOB_READY	USAP exit code for the SAP job <b>ready</b> status.	<a href="#">51</a>
EXIT_JOB_RELEASED	USAP exit code for the SAP job <b>released</b> status.	<a href="#">52</a>
EXIT_JOB_SCHEDULED	USAP exit code for the SAP job <b>scheduled</b> status.	<a href="#">53</a>
EXIT_JOB_TERMINATED	USAP exit code for the SAP job <b>terminated</b> status.	<a href="#">54</a>

Option	Description	Page
EXIT_QUEUE_BACKGROUND	USAP exit code for the SAP queue state <b>S</b> (in background).	55
EXIT_QUEUE_CREATED	USAP exit code for the SAP queue state <b>C</b> (to be created).	56
EXIT_QUEUE_ERROR	USAP exit code for the SAP queue state <b>E</b> (error).	57
EXIT_QUEUE_FINISHED	USAP exit code for the SAP queue state <b>F</b> (finished).	58
EXIT_QUEUE_UNPROCESSED	USAP exit code for the SAP queue state [ ] (unprocessed).	59
EXTERNAL_COMMAND	Complete command name or a mask used to select SAP external commands that match the mask.	60
FILE_NAME	Name of a plain text command file.	61
FROM_DATE	Earliest date to use for job selection or syslog request.	62
FROM_TIME	Earliest time to use for job selection or syslog request.	63
HELP	Writes command line help.	64
IMMEDIATE_JOB	Causes the job to be started immediately.	65
INSTALLATION_DIRECTORY	Location in which USAP is installed.	66
JOB_ID	Job ID of an existing SAP job.	67
JOB_ID_PATTERN	Locates the header record and determines the offset of the job ID in the RSBDCSUB batch input processing report.	68
JOB_LOG_CHILD	Controls the writing of job logs for child jobs.	69
JOB_NAME	Name of an existing SAP job.	70
JOB_NAME_PATTERN	Locates the header record and determines the offset of the job name in the RSBDCSUB batch input processing report.	71
JOB_NETWORK_ID	Network identifier for the pre-existing SAP FS job network being started.	72
JOB_PROCESS_ID	Process ID of an existing SAP FS job network process to start.	73
LAYOUT_NAME	Complete layout name or a mask used to select printer layouts that match the mask.	74
LISTEN_INTERVAL	Number of seconds that will elapse between RFC listen calls.	75
LOGON_LANGUAGE	SAP logon language used for the USAP session.	76
LOGON_RETRY_COUNT	Number of unsuccessful RFC logon retry attempts that can occur before USAP terminates the logon process and ends unsuccessfully.	77
LOGON_RETRY_INTERVAL	Number of seconds that will elapse between a failed RFC logon attempt and the retry of that logon attempt.	78
LONG_DEVICE_NAME	Complete device name or a mask used to select SAP output devices that match the mask.	79
MASS_ACTIVITY_WAIT	Causes USAP to wait for the SAP mass activity jobs to complete processing.	80
MAX_CHILD_DEPTH	Controls the maximum relationship depth that will be monitored by USAP.	81

Option	Description	Page
MAX_HIT_COUNT	Maximum number of ABAP reports to be returned.	82
MAX_JOB_LOG_SIZE	Maximum size for job logs.	83
MAX_SPOOL_LIST_SIZE	Maximum size for spool lists.	84
MAX_XBP	Maximum version of the SAP XBP interface that will be used during USAP execution.	85
MESSAGE_LANGUAGE	Language in which messages are written.	86
MESSAGE_LEVEL	Level of messages to written.	87
NO_START_DATE	Specification for whether or not to include jobs with no start date in selection criteria.	88
OPERATING_SYSTEM	Name of the operating system for which external commands are searched.	89
OUTPUT_FIELD_LIST	Additional fields to write for the <b>select</b> command.	90
PAGE_LIMIT	Maximum number of pages that can be returned in the syslog report.	92
PASSWORD	Password for the SAP user ID.	93
PLF_DIRECTORY	Program Lock File directory that specifies the location of the USAP program lock file.	94
PRINTER_NAME	Name of a printer for which the print formats will be retrieved.	95
PURGE_BDC_MAP	Specification for whether or not to delete BDC Batch input session queues that have been processed successfully.	96
PURGE_CHILD_JOBS	Controls the purging of child jobs.	97
PURGE_JOB	Purge job that has completed processing from SAP system.	98
QUEUE_ID	Queue identifier associated with the batch input session.	99
QUEUE_ID_PATTERN	Locates the header record and determines the offset of the queue ID in the RSBDCSUB batch input processing report.	100
RESTART	Specification for whether or not this execution of USAP is a restart of a previous client fault tolerant USAP command.	101
RETURN_APPLICATION_LOG	Specification for whether or not the job's application log is returned.	103
RETURN_APPLICATION_RC	Specification for whether or not the job's application return codes are returned.	104
RETURN_JOB_LOG	Specification for whether or not the job's job log is returned.	105
RETURN_SPOOL_LIST	Specification for whether or not the spoollists of all job steps are returned.	106
RETRY_CALL_COUNT	Number of unsuccessful RFC call retry attempts that can occur before USAP terminates the RFC call retry process and ends unsuccessfully.	105
RETRY_CALL_INTERVAL	Number of seconds that will elapse between a failed RFC call and the retry of that call.	108



Option	Description	Page
SECURE_CFT	Mode of client fault tolerance to be used for the command invocation.	109
SERVER_STOP_CONDITIONS	Exit code(s) of the executing Universal Connector process that should trigger the locally running Universal Broker to cancel the corresponding SAP job.	110
SPOOL_CODEPAGE	Codepage to be used for transferring spool lists from the SAP system.	111
SPOOL_LIST_CHILD	Controls the printing of spoolists for child jobs.	112
START_JOB	Starts the newly defined job.	113
STATUS_ABORTED	Specification for whether or not to include jobs with status aborted in selection criteria.	114
STATUS_CHECK_INTERVAL	Length of time that can elapse, without a change in job status, before a call will be made to synchronize the actual job status with the SAP stored status.	115
STATUS_FINISHED	Specification for whether or not to include jobs with status finished in selection criteria.	116
STATUS_READY	Specification for whether or not to include jobs with status ready in selection criteria.	117
STATUS_RELEASED	Specification for whether or not to include jobs with status released in selection criteria.	118
STATUS_RUNNING	Specification for whether or not to include jobs with status running in selection criteria.	119
STATUS_SCHEDULED	Specification for whether or not to include jobs with status scheduled in selection criteria.	120
STEP_NUMBER	Step number of the SAP job step.	121
SYSLOG	Requests entries from an SAP System syslog for a specified date and time range.	122
SYSLOG_POST_TIME	Length of time to add to the job end time when calculating the <b>to</b> time for the syslog report.	123
SYSLOG_PRE_TIME	Length of time to subtract from the job release time when calculating the <b>from</b> time for the syslog report.	124
SYSTEM_ID	Local Universal Broker with which USAP must register before the Manager performs any request.	125
SYSTEM_NUMBER	SAP system number of an SAP application server.	126
TARGET_JOB_NAME	Name to give the newly created job.	127
TARGET_SERVER	Server on which the job will run.	128
TARGET_VARIANT	One or more replacement variants for ABAP program job steps in an SAP job.	129
TECHNICAL_DEVICE_NAME	Complete device name or a mask used to select SAP output devices that match the mask.	130
TIMEOUT_INTERVAL	Number of seconds that can elapse before USAP considers an RFC call to have timed out.	131
TO_DATE	Latest date to use for job selection or syslog request.	132
TO_TIME	Latest time to use for job selection or syslog request.	133
TRACE_DIRECTORY	Directory where RFC trace files will be written.	134

Option	Description	Page
TRACE_FILE_LINES	Maximum number of lines to write to the trace file.	135
TRACE_TABLE	Trace table size and under what conditions it is written to a file.	136
TRANSLATION_TABLE	Spoolist translation table file to use for formatting returned spoolists.	138
USAP_POLL	Length of time to wait between job status calls to the SAP system.	139
USE_APPLICATION_RC	Specification for whether or not the job's application return codes are used to determine the exit code of the Universal Connector job.	140
USER_ID	SAP user ID with which to logon to the SAP system.	141
USER_NAME	User ID associated with a job.	142
VARIANT	Pre-existing SAP variant name to use as the model variant.	143
VARIANT_LANGUAGE	Preferred language in which to return the variant description.	144
VARIANT_SELECTION	Specification to display either variants available for batch and dialog mode or variants available only for batch mode.	145
VERSION	Writes USAP version and copyright information.	146
WAIT	Wait for the SAP job to complete processing.	147
WAIT_FOR_CHILD_JOBS	Controls the monitoring of child jobs.	148
WITH_PREDECESSOR	Specification for whether or not to include jobs with start after predecessor in selection criteria.	149
XMI_AUDIT_LEVEL	Sets the XMI audit level to be used for the execution of the command.	150

Table 2.1 Universal Connector - Configuration Options

## 2.3 ABAP\_NAME

### Description

The ABAP\_NAME option specifies the name of an ABAP program in an SAP system.

Note: For the DISPLAY\_REPORTS command, ABAP\_NAME is either a complete ABAP name or a mask used to select SAP ABAP reports that match the mask. A mask contains an asterisk ( \* ) to represent 0 or more characters of an ABAP name.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-a <i>abapname</i>			√		√
Command Line Option, Long Form	-abapname <i>abapname</i>			√		√
Environment Variable	USAPABAPNAME= <i>abapname</i>			√		
Configuration File Keyword	n/a					

### Value

*abapname* is the name of an ABAP program.

Note: For the GENERATE VARIANT DEFINITION FILE command, *abapname* is the name of an ABAP program in an SAP system to which the model variant belongs.

## 2.4 ACTIVITY\_MONITORING

### Description

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The ACTIVITY\_MONITORING option specifies whether or not product activity monitoring events are generated.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	n/a					
Environment Variable	n/a					
Configuration File Keyword	activity_monitoring <i>option</i>			√		√

### Values

---

*option* is the specification for whether or not product activity monitoring events are generated.

Valid values for *option* are:

- **yes**  
Activate product activity monitoring events
- **no**  
Deactivate product activity monitoring events

**[Default is yes).]**

## 2.5 ALLOW\_AUTO\_RESTART

### Description

The ALLOW\_AUTO\_RESTART option specifies whether or not a [RESTART](#) option value of *AUTO* will be allowed.

ALLOW\_AUTO\_RESTART is intended to provide some protection from the incorrect use of the RESTART AUTO option. The idea is that when ALLOW\_AUTO\_RESTART is set to NO in the configuration file, it takes a conscious effort to override the option for a given command.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-autorestartok <i>option</i>			√		√
Environment Variable	USAPAUTORESTARTOK= <i>option</i>			√		
Configuration File Keyword	auto_restart_ok <i>option</i>			√		√

### Value

*option* is the specification for whether or not a [RESTART](#) option value of *AUTO* will be allowed.

Valid values for *option* are:

- **yes**  
USAP is restarting an existing unit of work represented by a command ID.  
The [COMMAND\\_ID](#) and client fault tolerant (CFT) options are required.
- **no**  
USAP is not restarting.

**[Default is no.]**

## 2.6 AS\_HOST

### Description

---

The AS\_HOST option specifies the host name of an SAP application server.

AS\_HOST, in conjunction with the [SYSTEM\\_NUMBER](#) option, can be used instead of the [DESTINATION](#) option to define a connection to an SAP system.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-ashost <i>hostname</i>			√		√
Environment Variable	USAPASHOST <i>hostname</i>			√		
Configuration File Keyword	ashost <i>hostname</i>			√		√

### Value

---

*hostname* is the host name of an SAP application server.

## 2.7 BATCH\_MONITOR

### Description

The BATCH\_MONITOR option causes USAP to perform batch input monitoring for the job specified by **JOB\_NAME** and **JOB\_ID**.

Note: This requires that the job being started is a single step job executing ABAP program RSBDCSUB.

USAP will wait for the job to complete.

- If the job completes unsuccessfully, USAP will exit with USAP **terminated** job status exit code.
- If the job completes successfully, USAP will retrieve the spoolist generated by RSBDCSUB.
  - If RSBDCSUB does not select any sessions for processing, USAP will issue a warning message and end with exit code 4.
  - If RSBDCSUB selects sessions for processing, USAP extracts the session processing information from the RSBDCSUB spoolist and begins monitoring all session processing jobs kicked off by RSBDCSUB.

As each session processing job completes, USAP retrieves the state of the corresponding queue and converts it to a USAP queue state exit code. When all session processing jobs have completed, USAP prints a completion status message to standard out and exits with the highest USAP queue state exit code retrieved.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-bdcwait			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

(There are no values used with this option.)

## 2.8 BIF\_DIRECTORY

### Description

---

The BIF\_DIRECTORY option specifies the Broker Interface File (BIF) directory where the Universal Broker interface file, `ubroker.bif`, is located.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	<code>-bif_directory directory</code>			✓		
Environment Variable	<code>USAPBIFDIRECTORY=directory</code>			✓		
Configuration File Keyword	n/a					

### Values

---

*directory* is the name of the BIF directory.

**[Default is `/var/opt/universal1`.]**



## 2.9 CFT\_ABAP\_PROGRAM

### Description

The CFT\_ABAP\_PROGRAM option specifies the ABAP program to use for the command ID job step.

CFT\_ABAP\_PROGRAM applies only when the secure CFT mode is used (see the [SECURE\\_CFT](#) option). It is ignored otherwise.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-cft_abap <i>program</i>			✓		✓
Environment Variable	USAP_CFT_ABAP= <i>program</i>			✓		
Configuration File Keyword	cft_abap <i>program</i>			✓		✓

### Value

*program* is the ABAP program to use for the command ID job step.

**[Default is *BTCTEST*.]**

## 2.10 CFT\_COMMAND\_PREFIX

### Description

The CFT\_COMMAND\_PREFIX option specifies (in pre-XBP 2.0 CFT mode only) the command prefix required for the operating system of the target host.

CFT\_COMMAND\_PREFIX is used with (and only applies to) the [COMMAND\\_ID](#) option.

If the pre-XBP 2.0 CFT mode is not used, CFT\_COMMAND\_PREFIX is ignored.

See Section 2.3.2.2 Client Fault Tolerance Command Prefix for additional information.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-cft_cmd_prefix <i>prefix</i>			✓		✓
Environment Variable	USAP_CFT_CMD_PREFIX <i>host</i>			✓		
Configuration File Keyword	cft_cmd_prefix <i>prefix</i>			✓		✓

### Value

*prefix* is the target host to use for the command ID job step when the command ID option is used.

**[Default is "cmd/C".]**

## 2.11 CFT\_TARGET\_HOST

### Description

The CFT\_TARGET\_HOST option specifies (in pre-XBP 2.0 CFT mode only) the target host to use for the command ID job step when the command ID option is used.

If the pre-XBP 2.0 CFT mode is not used, CFT\_TARGET\_HOST is ignored (see [SECURE\\_CFT](#)).

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-cft_target_host <i>host</i>			✓		✓
Environment Variable	USAP_CFT_TARGET_HOST <i>host</i>			✓		
Configuration File Keyword	cft_target_host <i>host</i>			✓		✓

### Value

*host* is the target host to use for the command ID job step when the command ID option is used.

## 2.12 CLIENT

### Description

---

The CLIENT option specifies the SAP client number.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	<code>-c <i>client</i></code>			√		√
Command Line Option, Long Form	<code>-client <i>client</i></code>			√		√
Environment Variable	<code>USAPCLIENT=<i>client</i></code>			√		
Configuration File Keyword	<code>client <i>client</i></code>			√		√

### Value

---

*client* is the SAP client number.

## 2.13 CM\_ID

### Description

---

The CM\_ID option specifies the name of the CM communication to be started.

Note: CM\_ID applies only to the CM interface, which is a license-controlled extension to the core USAP application.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-cmid <i>id</i>			✓		✓
Environment Variable	USAPCMID= <i>id</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*id* is the name of the CM Communication to be started.

## 2.14 CM\_MODE

### Description

The CM\_MODE option specifies the starting mode of a CM Communication.

Note: CM\_MODE applies only to the CM interface, which is a license-controlled extension to the core USAP application.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-cmmode <i>mode</i>			✓		✓
Environment Variable	USAPCMMODE= <i>mode</i>			✓		
Configuration File Keyword	n/a					

### Value

*mode* is the starting mode of a CM Communication.

Valid values for *mode* are:

- **n** Normal; Start with the first component.
- **r** Restart; Start with the last incorrect component.
- **s** Skip; Start after the last incorrect component.
- **t** Reset; All run-time information for the component will be deleted.

**[Default is n.]**

## 2.15 CM\_TOKEN

### Description

The CM\_TOKEN option, which applies to both CM Communications and CM Report jobs, specifies a unique character string that is used as a job prefix:

- CM Communications  
Prefix all SAP jobs created during the processing of a CM communication.
- CM Report jobs  
Prefix the job created in the SAP system.

Note: CM\_TOKEN applies only to the CM interface, which is a license-controlled extension to the core USAP application.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-cmopctoken <i>token</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

*token* is the unique character string used as a job prefix.

## 2.16 COMMAND\_ID

### Description

The COMMAND\_ID option specifies an identifier used to identify the unit of work represented by a USAP command and the associated SAP job.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	cmdid <i>id</i>			✓		✓
Environment Variable	USAPCMDID= <i>id</i>			✓		
Configuration File Keyword	n/a					

### Value

*id* is the identifier used to identify the unit of work represented by a USAP command and the associated SAP job.

*id* can be any value (maximum length of 50 characters).

If *id* contains spaces, it must be enclosed in double ( " ) or single ( ' ) quotation marks.



## 2.17 DESTINATION

### Description

The DESTINATION option specifies the name of a destination defined in the `saprfc.ini` file.

The `saprfc.ini` file must be in the current directory, or its full path must be specified in environment variable `RFC_INI`.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	<code>-e destination</code>			✓		✓
Command Line Option, Long Form	<code>-dest destination</code>			✓		✓
Environment Variable	<code>USAPDEST=destination</code>			✓		
Configuration File Keyword	Destination <code>destination</code>			✓		✓

### Value

*destination* is the name of a destination defined in the `saprfc.ini` file.

## 2.18 DISPLAY\_CLIENT

### Description

---

The DISPLAY\_CLIENT option identifies a specific SAP client whose intercepted jobs will be reported.

If a specific client is not specified with this option, intercepted jobs from all clients will be included in the report.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-dspclient <i>client</i>			✓		✓
Environment Variable	USAPDSPCLIENT <i>client</i>			✓		
Configuration File Keyword	dspclient <i>client</i>			✓		✓

### Value

---

*client* is the specific SAP client whose intercepted jobs will be reported.

## 2.19 ENCRYPT\_FILE

### Description

The ENCRYPT\_FILE option specifies the file name (ddname for z/OS) of an encrypted text command file.

If ENCRYPT\_FILE does not specify a file name, the command file is read from stdin.

Note: If both the ENCRYPT\_FILE and FILE\_NAME options are used, ENCRYPT\_FILE is ignored.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-x <i>name</i>			✓		✓
Command Line Option, Long Form	-encryptedfile <i>name</i>			✓		✓
Environment Variable	USAPENCRYPTEDFILE= <i>name</i>			✓		
Configuration File Keyword	n/a					

### Value

*name* is the name (ddname for z/OS) of the plain text command file.

## 2.20 ENCRYPTION\_KEY

### Description

The ENCRYPTION\_KEY option specifies the key used to encrypt the command file.

This key acts much like a password for the encrypted command file. If a key was used to encrypt a command file (when Universal Encrypt was run), that same key must be specified to decrypt the file; otherwise, the decryption will fail.

If no key is specified, a default value is provided.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-K <i>key</i>			✓		✓
Command Line Option, Long Form	-key <i>key</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

*key* is the name of the key used to encrypt the command file.

## 2.21 EVENT\_GENERATION

### Description

The EVENT\_GENERATION option specifies which events are to be generated and processed as persistent events.

A persistent event record is saved in a Universal Enterprise Controller (UEC) database for long-term storage.

(For a list of all event types for all Universal Products components, see the Universal Event Subsystem 4.1.0 Event Definitions document.)

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	n/a					
Environment Variable	n/a					
Configuration File Keyword	event_generation <i>types</i>			√		√

### Values

*type* specifies a comma-separated list of event types. It allows for all or a subset of all potential event message types to be selected.

Event type ranges can be specified by separating the lower and upper range values with a dash ( - ) character.

Event types can be selected for inclusion or exclusion:

- Inclusion operator is an asterisk ( \* ).
- Exclusion operator is **X** or **x**.

## Examples

---

- 100,101,102  
Generate event types 100, 101, and 102.
- 100-102  
Generate event types 100 through 102.
- 100-102,200  
Generate event types 100 through 102 and 200.
- \*  
Generate all event types.
- \*,X100  
Generate all event types except for 100.
- x\*  
Generate no event types.
- \*,X200-250,!300  
Generate all event types except for 200 through 250 and 300.

**[Default is X\* (no event types).]**

## 2.22 EVENT\_ID

### Description

---

The EVENT\_ID option specifies the name of the event.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-event_id <i>id</i>			✓		✓
Environment Variable	USAPREVENTID= <i>id</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*id* is the name of the event.

## 2.23 EVENT\_PARAMETER

### Description

---

The EVENT\_PARAMETER option specifies the optional parameter value for the event.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-event_parm <i>parm</i>			✓		✓
Environment Variable	USAPREVENTPARM= <i>parm</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*parm* is the optional parameter value for the event.



## 2.24 EXIT\_JOB\_ACTIVE

### Description

The EXIT\_JOB\_ACTIVE option specifies the USAP exit code for the SAP job `active` status.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-activeec <i>exitcode</i>			✓		✓
Environment Variable	USAPACTIVEEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	active_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP job `active` status.

### Defaults

**[Internal default is 10.]**

**[Configuration default is 10.]**

## 2.25 EXIT\_JOB\_FINISHED

### Description

The EXIT\_JOB\_FINISHED option specifies the USAP exit code for the SAP job **finished** status.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-finishedec <i>exitcode</i>			✓		✓
Environment Variable	USAPFINISHEDEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	finished_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP job **finished** status.

#### Defaults

**[Internal default is 20.]**

**[Configuration default is 0.]**

## 2.26 EXIT\_JOB\_READY

### Description

The EXIT\_JOB\_READY option specifies the USAP exit code for the SAP job ready status.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-readyec <i>exitcode</i>			✓		✓
Environment Variable	USAPREADYEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	ready_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP job ready status.

#### Defaults

**[Internal default is 12.]**

**[Configuration default is 12.]**

## 2.27 EXIT\_JOB\_RELEASED

### Description

The EXIT\_JOB\_RELEASED option specifies the USAP exit code for the SAP job `re1eased` status.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-releasedec <i>exitcode</i>			✓		✓
Environment Variable	USAPRELEASEDEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	released_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP job `re1eased` status.

### Defaults

**[Internal default is 16.]**

**[Configuration default is 16.]**

## 2.28 EXIT\_JOB\_SCHEDULED

### Description

The EXIT\_JOB\_SCHEDULED option specifies the USAP exit code for the SAP job `scheduled` status.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-scheduledec <i>exitcode</i>			✓		✓
Environment Variable	USAPCHEDULEDEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	scheduled_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP job `scheduled` status.

### Defaults

**[Internal default is 14.]**

**[Configuration default is 14.]**

## 2.29 EXIT\_JOB\_TERMINATED

### Description

The EXIT\_JOB\_TERMINATED option specifies the USAP exit code for the SAP job **terminated** status.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-terminatedec <i>exitcode</i>			✓		✓
Environment Variable	USAPTERMINATEDEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	terminated_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP job **terminated** status.

### Defaults

**[Internal default is 18.]**

**[Configuration default is 8.]**

## 2.30 EXIT\_QUEUE\_BACKGROUND

### Description

The EXIT\_QUEUE\_BACKGROUND option specifies the USAP exit code for the SAP queue state S (in background).

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-qinbackgroundec <i>exitcode</i>			✓		✓
Environment Variable	USAPINBACKGROUNDEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	-qinbackground_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP queue state S (in background).

### Defaults

**[Internal default is 14.]**

**[Configuration default is 10.]**

## 2.31 EXIT\_QUEUE\_CREATED

### Description

The EXIT\_QUEUE\_CREATED option specifies the USAP exit code for the SAP queue state C (to be created).

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-qtobecreatedec <i>exitcode</i>			✓		✓
Environment Variable	USAPTOBECREATEDEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	-qtobecreated_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP queue state C (created).

### Defaults

**[Internal default is 10.]**

**[Configuration default is 14.]**



## 2.32 EXIT\_QUEUE\_ERROR

### Description

The EXIT\_QUEUE\_ERROR option specifies the USAP exit code for the SAP queue state E (error).

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-qerrorec <i>exitcode</i>			✓		✓
Environment Variable	USAPERROEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	-qerror_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP queue state E (error).

### Defaults

**[Internal default is 18.]**

**[Configuration default is 8.]**

## 2.33 EXIT\_QUEUE\_FINISHED

### Description

The EXIT\_QUEUE\_FINISHED option specifies the USAP exit code for the SAP queue state F (finished).

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-qfinishedec <i>exitcode</i>			✓		✓
Environment Variable	USAPFINISHEDEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	-qfinished_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP queue state F (finished).

### Defaults

**[Internal default is 16.]**

**[Configuration default is 0.]**

## 2.34 EXIT\_QUEUE\_UNPROCESSED

### Description

The EXIT\_QUEUE\_UNPROCESSED option specifies the USAP exit code for the SAP queue state [ ] (unprocessed).

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-qunprocessedec <i>exitcode</i>			✓		✓
Environment Variable	USAPUNPROCESSEDEXITCODE= <i>exitcode</i>			✓		
Configuration File Keyword	-qunprocessed_exit_code <i>exitcode</i>			✓		✓

### Value

*exitcode* is the USAP exit code for the SAP queue state [ ] (unprocessed).

### Defaults

**[Internal default is 12.]**

**[Configuration default is 12.]**

## 2.35 EXTERNAL\_COMMAND

### Description

The EXTERNAL\_COMMAND option specifies the name of a command or a mask used to select SAP external commands that match the mask.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-cmd <i>name</i>			√		√
Environment Variable	USAPCMD= <i>name</i>			√		
Configuration File Keyword	n/a					

### Value

*name* is the name of a command or a mask used to select SAP external commands that match the mask.

A mask contains an asterisk ( \* ) to represent 0 or more characters of a command name.

## 2.36 FILE\_NAME

### Description

The FILE\_NAME option specifies the file name (ddname for z/OS) of a plain text command file.

If FILE\_NAME does not specify a file name, the command file is read from stdin.

Note: If both the FILE\_NAME and ENCRYPT\_FILE options are used, ENCRYPT\_FILE is ignored.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-f <i>name</i>			✓		✓
Command Line Option, Long Form	-file <i>name</i>			✓		✓
Environment Variable	USAPFILE= <i>name</i>			✓		
Configuration File Keyword	n/a					

### Value

*name* is the name (ddname for z/OS) of the plain text command file.

## 2.37 FROM\_DATE

### Description

---

The FROM\_DATE option specifies the earliest date to use for job selection or syslog request.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-fromdate <i>date</i>			✓		✓
Environment Variable	USAPFROMDATE= <i>date</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*date* is the earliest date to use for job selection or syslog request.

The format of *date* is:

YYYY/MM/DD

## 2.38 FROM\_TIME

### Description

---

The FROM\_TIME option specifies the earliest time to use for job selection or syslog request.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-fromtime <i>time</i>			✓		✓
Environment Variable	USAPFROMTIME= <i>time</i>			✓		✓
Configuration File Keyword	n/a					

### Value

---

*time* is the earliest time to use for job selection or syslog request.

The format of *time* is:

HH:MM:SS

## 2.39 HELP

### Description

---

The HELP option writes command line help.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-h			✓		✓
Command Line Option, Long Form	-help			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

(There are no values required for this option.)



## 2.40 IMMEDIATE\_JOB

### Description

---

The IMMEDIATE\_JOB option causes the job to be started immediately.

If the job cannot be started immediately, an error is returned and the job does not wait to start.

The default is to start a job “as soon as possible.” In the default case, if the SAP system is unable to start the job, it will keep the job in a waiting state and start it whenever possible.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-i			✓		✓
Command Line Option, Long Form	-immediate			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

(There are no values used with this option.)

## 2.41 INSTALLATION\_DIRECTORY

### Description

---

The INSTALLATION\_DIRECTORY option specifies the location in which Universal Connector is installed.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	n/a					
Environment Variable	n/a					
Configuration File Keyword	installation_directory <i>directory</i>			✓		

### Values

---

*directory* is the path name for the Universal Connector installation file.

**[Default is /opt/universal/usap.]**

## 2.42 JOB\_ID

### Description

The JOB\_ID option specifies the job ID of an SAP job.

The type of job depends on the command being used, as shown in the following table.

Command	Type of Job
RUN_JOB SUBMIT_JOB	ID of an existing job to use as a model for the new job definition.
MODIFY_JOB	ID of an existing SAP job to be modified. The job ID can be specified on the command line or in the job definition file. The command line job ID will override the job definition file job ID when both are present.
START_JOB	ID of an existing SAP job to start.
WAIT_FOR_JOB	ID of a started SAP job.
BDCWAIT	ID of a started SAP job. It must be a single step job that executes ABAP program RSBDCSUB.
ABORT	ID of an existing SAP job to abort.
PURGE JOB	ID of an existing SAP job to purge.
DISPLAY JOB LOG DISPLAY SPOOLLIST DISPLAY STATUS DISPLAY JOBDEF	ID of an existing SAP job to select.
DISPLAY_SELECT	Either a complete job ID or a job ID mask used to select SAP jobs that match the mask. A mask contains an asterisk (*) to represent 0 or more characters of a job ID.
GENERATE Job Definition File	ID of an existing SAP job to select as the model job.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-b <i>jobid</i>			✓		✓
Command Line Option, Long Form	-jobid <i>jobid</i>			✓		✓
Environment Variable	USAPJOBID= <i>jobid</i>			✓		
Configuration File Keyword	n/a					

### Value

*jobid* is the ID of the SAP job.

## 2.43 JOB\_ID\_PATTERN

### Description

The JOB\_ID\_PATTERN option specifies the character pattern used to locate the header record and determine the offset of the job id in the RSBDCSUB batch input processing report.

The format of the RSBDCSUB report is somewhat dependant on the language parameter for the job step that executes it. Therefore, it may be necessary to adjust the character pattern specified by JOB\_ID\_PATTERN based on the value of the SAP job step language parameter being used.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-bdcjobidptrn <i>pattern</i>			✓		✓
Environment Variable	USAPBDCJOBIDPTRN= <i>pattern</i>			✓		
Configuration File Keyword	bdc_jobid_ptrn <i>pattern</i>			✓		✓

### Value

*pattern* is the character pattern that is used to locate the header record and determine the offset of the job ID.

**[Default is "Job no.".]**

## 2.44 JOB\_LOG\_CHILD

### Description

The JOB\_LOG\_CHILD option specifies whether or not job logs for child jobs are returned (that is, printed to standard error).

Note: JOB\_LOG\_CHILD is evaluated only when both the [RETURN\\_JOB\\_LOG](#) and [WAIT\\_FOR\\_CHILD\\_JOBS](#) options are set to yes.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-joblogchild <i>option</i>			✓		✓
Environment Variable	USAPJOBLOGCHILD= <i>option</i>			✓		
Configuration File Keyword	print_joblog_for_child_jobs <i>option</i>			✓		✓

### Value

*option* is the specification for whether or not job logs for child jobs are returned.

Valid values for *option* are:

- **yes**  
Job logs will be returned for all child jobs.
- **error**  
Job logs will only be returned for child jobs that did not complete successfully.
- **no**  
Job logs will not be returned for child jobs.

**[Default is yes.]**

## 2.45 JOB\_NAME

### Description

The JOB\_NAME option specifies the name of an SAP job.

The type of job depends on the command being used, as shown in the following table.

Command	Type of Job
RUN_JOB SUBMIT_JOB	Name of an existing job to use as a model for the new job definition
START_JOB	Name of an existing SAP job to start
WAIT_FOR_JOB	Name of a started SAP job
BDCWAIT	Name of a started SAP job. It must be a single step job that executes ABAP program RSBDCSUB
ABORT	Name of an existing SAP job to abort
PURGE	Name of an existing SAP job to purge
DISPLAY JOBLOG DISPLAY SPOOLLIST DISPLAY STATUS DISPLAY JOBDEF	Name of an existing SAP job to select
DISPLAY SELECT	Either a complete job name or a job name mask used to select SAP jobs that match the mask. A mask contains an asterisk (*) to represent 0 or more characters of a job name
GENERATE Job Definition File	Name of an existing SAP job to select as the model job

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-j <i>jobname</i>			✓		✓
Command Line Option, Long Form	-jobname <i>jobname</i>			✓		✓
Environment Variable	USAPJOBNAME= <i>jobname</i>			✓		
Configuration File Keyword	n/a					

### Value

*jobname* is the name of the SAP job.

## 2.46 JOB\_NAME\_PATTERN

### Description

The JOB\_NAME\_PATTERN option specifies a character pattern that is used to locate the header record and determine the offset of the job name in the RSBDCSUB batch input processing report.

The format of the RSBDCSUB report is somewhat dependant on the language parameter for the job step that executes it. Therefore, it may be necessary to adjust the character pattern specified by JOB\_NAME\_PATTERN based on the value of the SAP job step language parameter being used.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-bdcjobnameptrn <i>pattern</i>			✓		✓
Environment Variable	USAPBDCJOBNAMEPTRN= <i>pattern</i>			✓		
Configuration File Keyword	bdc_jobname_ptrn <i>pattern</i>			✓		✓

### Value

*pattern* is the character pattern that is used to locate the header record and determine the offset of the job name.

**[Default is "|Session".]**

## 2.47 JOB\_NETWORK\_ID

### Description

The JOB\_NETWORK\_ID option specifies the network identifier for the pre-existing SAP FS job network being started.

Note: For the PURGE FS JOB NETWORK command, JOB\_NETWORK\_ID specifies the network identifier for the pre-existing SAP FS job network to purge.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-jnetid <i>jobnetid</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

*jobnetid* is the network identifier for the pre-existing SAP job network.



## 2.48 JOB\_PROCESS\_ID

### Description

The JOB\_PROCESS\_ID option specifies the process ID of an existing SAP FS job network process to start.

Note: For the PURGE FS JOB NETWORK command, JOB\_PROCESS\_ID specifies the process ID of an existing SAP FS job network process to purge.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-jnetprcid <i>processid</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

*processid* is the process ID of an existing SAP FS job network process.

## 2.49 LAYOUT\_NAME

### Description

The LAYOUT\_NAME option specifies either a complete layout name or a mask used to select printer layouts that match the mask.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-layout <i>name</i>			✓		✓
Environment Variable	USAPLAYOUT= <i>name</i>			✓		
Configuration File Keyword	n/a					

### Value

*name* is either a complete layout name or a mask used to select printer layouts that match the mask.

A mask contains an asterisk ( \* ) to represent 0 or more characters of a layout name.

## 2.50 LISTEN\_INTERVAL

### Description

The LISTEN\_INTERVAL option specifies the number of seconds that will elapse between RFC listen calls.

Listen calls are polling calls that are performed repetitively to determine if an RFC event is available.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-rfc_listen_interval <i>interval</i>			✓		✓
Environment Variable	USAP_RFC_LISTEN_INTERVAL= <i>interval</i>			✓		
Configuration File Keyword	rfc_listen_interval <i>interval</i>			✓		✓

### Value

*interval* is the number of seconds that will elapse between RFC listen calls.

**[Default value is 1.]**

## 2.51 LOGON\_LANGUAGE

### Description

The LOGON\_LANGUAGE option specifies the SAP logon language used for the USAP session.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-saplang <i>language</i>			✓		✓
Environment Variable	USAPLANG= <i>language</i>			✓		
Configuration File Keyword	sap_language <i>language</i>			✓		✓

### Value

*language* is the SAP logon language used for the USAP session.

Valid values for *language* are:

- Any valid 1-character SAP language identifier
- Any valid 2-character ISO language identifier
- " " (no value)  
This prevents Universal Connector from explicitly setting the SAP language for the RFC communication session with the SAP system. The result is that the SAP system uses the default language set up for the user ID.

**[Default is *EN* (English).]**

## 2.52 LOGON\_RETRY\_COUNT

### Description

The LOGON\_RETRY\_COUNT option specifies the number of unsuccessful RFC logon retry attempts that can occur before USAP terminates the logon process and ends unsuccessfully.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-rfc_logon_retry_count <i>count</i>			✓		✓
Environment Variable	USAP_RFC_LOGON_RETRY_COUNT= <i>count</i>			✓		
Configuration File Keyword	rfc_logon_retry_count <i>count</i>			✓		✓

### Value

*count* is the number of unsuccessful RFC logon retry attempts that can occur before USAP terminates the logon process and ends unsuccessfully.

**[Default value is 10.]**

## 2.53 LOGON\_RETRY\_INTERVAL

### Description

The LOGON\_RETRY\_INTERVAL option specifies the number of seconds that will elapse between a failed RFC logon attempt and the retry of that logon attempt.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-rfc_logon_retry_interval <i>interval</i>			✓		✓
Environment Variable	USAP_RFC_LOGON_RETRY_INTERVAL= <i>interval</i>			✓		
Configuration File Keyword	rfc_logon_retry_interval <i>interval</i>			✓		✓

### Value

*interval* is the number of seconds that will elapse between a failed RFC logon attempt and the retry of that logon attempt.

**[Default value is 10.]**

## 2.54 LONG\_DEVICE\_NAME

### Description

---

The LONG\_DEVICE\_NAME option specifies either a complete device name or a mask used to select SAP output devices that match the mask.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-long_name <i>name</i>			✓		✓
Environment Variable	USAPLONGNAME= <i>name</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*name* is either a complete device name or a mask used to select SAP output devices that match the mask.

A mask contains an asterisk ( \* ) to represent 0 or more characters of a device name.

## 2.55 MASS\_ACTIVITY\_WAIT

### Description

The MASS\_ACTIVITY\_WAIT option causes USAP to wait for the SAP mass activity jobs to complete processing.

When MASS\_ACTIVITY\_WAIT is used, the exit code of USAP indicates the completion status of the mass activity. (See Sections [3.5 Exit Codes](#) (for z/OS) and [4.5 Exit Codes](#) (for UNIX) in the Universal Connector 4.1.0 User Guide for a complete list of job status exit codes.)

The MASS\_ACTIVITY\_WAIT option also allows USAP to return the job log, application log, and spool lists for the job. [RETURN\\_JOB\\_LOG](#) controls the return of the job log, [RETURN\\_APPLICATION\\_LOG](#) controls the return of the application log, and [RETURN\\_SPOOL\\_LIST](#) controls the return of the spool list.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-mawait			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

(There are no values used with this option.)



## 2.56 MAX\_CHILD\_DEPTH

### Description

The MAX\_CHILD\_DEPTH option specifies the maximum relationship depth that will be monitored by USAP.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-max_child_depth <i>depth</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	max_child_depth <i>depth</i>			✓		✓

### Value

*depth* is the specification for the maximum relationship depth.

Valid values for *depth* are 1 to 999.

If *depth* is 1, USAP only will check for and monitor jobs created by the initial parent job. Jobs created by child jobs will not be detected or monitored.

**[Default is 999.]**

## 2.57 MAX\_HIT\_COUNT

### Description

---

The MAX\_HIT\_COUNT option specifies the maximum number of ABAP reports to be returned.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-count <i>number</i>			✓		✓
Environment Variable	USAPCOUNT= <i>number</i>			✓		
Configuration File Keyword	count <i>number</i>			✓		✓

### Value

---

*number* is the maximum number of ABAP reports to be returned.

**[Default is 999.]**

## 2.58 MAX\_JOB\_LOG\_SIZE

### Description

---

The MAX\_JOB\_LOG\_SIZE option specifies the maximum size for job logs.

Job logs exceeding the maximum size will not be transferred.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-max_log_size <i>size</i>			✓		✓
Environment Variable	USAPMAXLOGSIZE= <i>size</i>			✓		
Configuration File Keyword	max_log_size <i>size</i>			✓		✓

### Value

---

*size* is the maximum size for job logs.

*size* can be suffixed with either:

- **M** (for megabytes)
- **K** (for kilobytes)

**[Default is 1536M.]**

## 2.59 MAX\_SPOOL\_LIST\_SIZE

### Description

---

The MAX\_SPOOL\_LIST\_SIZE option specifies the maximum size for job logs. Pool lists exceeding the maximum size will not be transferred.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-max_spool_size <i>size</i>			✓		✓
Environment Variable	USAPMAXSPOOLSIZE= <i>size</i>			✓		
Configuration File Keyword	max_spool_size <i>size</i>			✓		✓

### Value

---

*size* is the maximum size for spool lists.

*size* can be suffixed with either:

- **M** (for megabytes)
- **K** (for kilobytes)

**[Default is 1536M.]**

## 2.60 MAX\_XBP

### Description

The MAX\_XBP option specifies the maximum version of the SAP XBP interface that will be used during USAP execution.

If a version is not specified with this option, USAP will use the highest level supported by both USAP and the SAP system.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-maxxbp <i>version</i>			✓		✓
Environment Variable	USAPMAXXBP <i>version</i>			✓		
Configuration File Keyword	max_xbp <i>version</i>			✓		✓

### Value

*version* is the maximum version of the SAP XBP interface that will be used during USAP execution.

Valid values for *version* are:

- 1.0
- 2.0

## 2.61 MESSAGE\_LANGUAGE

### Description

---

The MESSAGE\_LANGUAGE option specifies the language in which messages are written.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-L <i>language</i>			✓		✓
Command Line Option, Long Form	-lang <i>language</i>			✓		✓
Environment Variable	USAPLANG= <i>language</i>			✓		
Configuration File Keyword	language <i>language</i>			✓		✓

### Value

---

*language* is the language in which messages are written.

The first three characters of the language are used as a three-character suffix to form the name of a Universal Message Catalog (UMC) file. UMC files are in the n1s product directory.

**[Default is *ENGLISH*.]**

## 2.62 MESSAGE\_LEVEL

### Description

The MESSAGE\_LEVEL option specifies level of messages to write.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-l <i>level</i>			✓		✓
Command Line Option, Long Form	-level <i>level</i>			✓		✓
Environment Variable	USAPLEVEL= <i>level</i>			✓		
Configuration File Keyword	message_level <i>level</i>			✓		✓

### Value

*level* is the level of messages to write.

Valid values for level are:

- **trace**  
Activates tracing and generates a trace file to which USAP writes trace messages used for debugging.  
Note: Use **trace** only as directed by Stonebranch, Inc. [Customer Support](#).
- **audit**  
Issues audit, informational, warning, and error messages.
- **info**  
Issues informational, warning, and error messages.
- **warn**  
Issues warning and error messages.
- **error**  
Issues error messages only.

**UNIX**

[Default is warn.]

**z/OS**

[Default is info.]

## 2.63 NO\_START\_DATE

### Description

---

The NO\_START\_DATE option specifies whether or not to include jobs with no start date in selection criteria.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-nodate <i>option</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

*option* is the specification for whether or not to include jobs with no start date in selection criteria.

Valid values for option are:

- **yes**  
Include jobs with no start date in selection criteria.
- **no**  
Do not include jobs with no start date in selection criteria.

**[Default is yes.]**



## 2.64 OPERATING\_SYSTEM

### Description

---

The OPERATING\_SYSTEM option specifies the name of the operating system for which external commands are searched.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-opsys <i>name</i>			✓		✓
Environment Variable	USAPOPSYS= <i>name</i>			✓		
Configuration File Keyword	opsys			✓		✓

### Value

---

*name* is the name of the operating system for which external commands are searched.

**[Default is \*.]**

## 2.65 OUTPUT\_FIELD\_LIST

### Description

The OUTPUT\_FIELD\_LIST option specifies additional fields to display for the `select` command.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-output <i>list</i>			✓		✓
Environment Variable	USAPOUTPUT= <i>list</i>			✓		
Configuration File Keyword	output			✓		✓

### Value

*list* is the additional fields to display.

*list* is a comma-separated list of fields, with no spaces between the field names and the commas.

The fields correspond with the field names in the BAPIXMJOB structure defined in the SAP system, as shown in [Table 2.2](#), below.

Field Name	Field Description
Field Name	Field Description
JOBNAME	Background job name
JOBCOUNT	Batch job number
STPCOUNT	Job step ID number
SDLSTRDT	Planned start date for batch job
SDLSTRTM	Planned start time for batch job
BTCSYSTEM	Target system to run background job
SDLDATE	Date of job/step scheduling
SDLTIME	Time of a scheduled job/step
SDLUNAME	Initiator of job step scheduling
LASTCHDATE	Date of last job change
LASTCHTIME	Time of last job change
LASTCHNAME	Last job change made by
RELDATE	Release date for batch schedule
RELTIME	Release time of scheduled batch job
RELUNAME	User that released scheduled batch job
STRTDATE	Job start date
STRTTIME	Batch job start time
ENDDATE	Job end date
ENDTIME	Batch job end time
PERIODIC	Periodic jobs indicator ('X')
STATUS	Status of batch job
AUTHCKNAM	Background user name for authorization check
AUTHCKMAN	Background client for authorization check
SUCCNUM	Number of subsequent jobs
PREDNUM	Number of previous jobs
LASTSTRDT	Latest run date for batch job
LASTSTRTM	Latest run time for batch job
WPNUMBER	Work process number
WPPROCID	Work process ID
EVENTID	Background event ID
EVENTPAM	Background event parameters (for example, Jobname/Jobcount)
JOBCLASS	Job classification
CALENDARID	Factory calendar ID for background processing
EXECSERVER	Server name
REAXSERVER	Server name

Table 2.2 BAPIXMJOB Structure Fields

## 2.66 PAGE\_LIMIT

### Description

---

The PAGE\_LIMIT option specifies the maximum number of pages that can be returned in the syslog report.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-pagelimit <i>limit</i>			✓		✓
Environment Variable	USAPPAGELIMIT= <i>limit</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*limit* is the maximum number of pages that can be returned in the syslog report.

Valid values for list are 1 to 999.

**[Default is 999.]**

## 2.67 PASSWORD

### Description

---

The PASSWORD option specifies the password for the SAP user ID.

If the password is not specified and the command is executed from a console, USAP prompts for a password.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	<code>-w password</code>			✓		✓
Command Line Option, Long Form	<code>-pwd password</code>			✓		✓
Environment Variable	<code>USAPPWD=password</code>			✓		
Configuration File Keyword	<code>password password</code>			✓		✓

### Value

---

*password* is the password for the SAP user ID.

## 2.68 PLF\_DIRECTORY

### Description

The PLF\_DIRECTORY option specifies the Program Lock File (PLF) directory where the program lock files are located.

A program lock file is created and used by USAP process to store manager process termination information for the Universal Broker.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-plf_directory <i>directory</i>			✓		
Environment Variable	USAPPLFDIRECTORY= <i>directory</i>			✓		
Configuration File Keyword	n/a					

### Values

*directory* is the name of the PLF directory.

**[Default is /var/opt/universal/tmp.]**

## 2.69 PRINTER\_NAME

### Description

---

The PRINTER\_NAME option specifies the name of a printer for which the print formats will be retrieved.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-printer <i>name</i>			✓		✓
Environment Variable	USAPPRINTER= <i>name</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*name* is name of a printer for which the print formats will be retrieved.

## 2.70 PURGE\_BDC\_MAP

### Description

The PURGE\_BDC\_MAP option specifies whether or not USAP will delete the batch input session queues that have been processed successfully.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-purge_bdc_map <i>option</i>			✓		✓
Environment Variable	USAP_PURGE_BDC_MAP= <i>option</i>			✓		
Configuration File Keyword	purge_bdc_map <i>option</i>			✓		✓

### Value

*option* is the specification for whether or not USAP will delete the batch input session queues.

Valid values for *option* are:

- **yes**  
Delete the batch input session queues
- **no**  
Do not delete the batch input session queues



## 2.71 PURGE\_CHILD\_JOBS

### Description

The PURGE\_CHILD option specifies whether or not all child jobs are purged from the SAP system.

Note: PURGE\_CHILD is evaluated only when the PURGE command is being used.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-purgechild <i>option</i>			✓		✓
Environment Variable	USAPPURGECHILD= <i>option</i>			✓		
Configuration File Keyword	purge_child_jobs <i>option</i>			✓		✓

### Value

*option* is the specification for whether or not all child jobs are purged.

Valid values for options are:

- **yes**  
All child jobs are purged.
- **no**  
CHild jobs are not purged.

**[Default is yes.]**

## 2.72 PURGE\_JOB

### Description

The PURGE\_JOB option specifies that when the job completes processing, it is purged from the SAP system,

(When used with the BDCWAIT command, PURGE\_JOB specifies that when the job specified on the USAP command line (parent job) completes, and all child jobs created by RSBDCSUB have completed, the parent and child jobs are purged from the SAP system.)

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-P			✓		✓
Command Line Option, Long Form	-purge			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

(There are no values used with this option.)

## 2.73 QUEUE\_ID

### Description

---

The QUEUE\_ID option specifies the queue identifier associated with the batch input session.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-q <i>queueid</i>			✓		✓
Command Line Option, Long Form	-qid <i>queueidt</i>			✓		✓
Environment Variable	USAPQID= <i>queueid</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*queueid* is the queue identifier associated with the batch input session.

## 2.74 QUEUE\_ID\_PATTERN

### Description

The QUEUE\_ID\_PATTERN option specifies a character pattern used to locate the header record and determine the offset of the queue ID in the RSBDCSUB batch input processing report.

The format of the RSBDCSUB report is somewhat dependant on the language parameter for the job step that executes it. Therefore, it may be necessary to adjust the character pattern specified by QUEUE\_ID\_PATTERN based on the value of the SAP job step language parameter being used.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-bdcqidptrn <i>pattern</i>			✓		✓
Environment Variable	USAPBDCQIDPTRN= <i>pattern</i>			✓		
Configuration File Keyword	bdc_qid_ptrn <i>pattern</i>			✓		✓

### Value

*pattern* is the character pattern that is used to locate the header record and determine the offset of the queue ID.

**[Default is "|Queue ID".]**

## 2.75 RESTART

### Description

The RESTART option specifies whether or not this execution of USAP is a restart of a previous client fault tolerant USAP command.

See Section 2.3 Client Fault Tolerance for details on the client fault tolerant feature.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-restart <i>option</i>			✓		✓
Environment Variable	USAPRESTART= <i>option</i>			✓		
Configuration File Keyword	restart <i>option</i>			✓		✓

### Value

*option* is the specification for whether or not this execution of USAP is a restart.

Valid values for *option* are:

- **yes**  
USAP is restarting an existing unit of work represented by a command ID.  
The `COMMAND_ID` and `CLIENT_FAULT_TOLERANT` options are required.
- **no**  
USAP is not restarting.
- **auto**  
USAP checks if the Broker is executing an existing unit of work, identified by the `COMMAND_ID` option.
  - If a matching command ID is found, the Manager attempts a restart.
  - If a matching command ID is not found, the Manager does not attempt a restart.

The `COMMAND_ID` and `MANAGER_FAULT_TOLERANT` options are required.

**[Default is no.]**

Note: When using the RESTART AUTO option, USAP will not start a new instance of a job on the SAP system if a job matching the job name/command ID exists in the SAP system. USAP will continue to reconnect to the existing SAP job. Without considering the behavior resulting from the use of RESTART AUTO, it may be possible for one to assume that a job has been run multiple times when, in fact, USAP has been reconnecting to the same job instance. Informational messages are printed by USAP to standard error to indicate the reconnected status but, if the message level is not set to `info`, the messages will not be seen.

Given the possibility for confusion surrounding the use of RESTART AUTO, a parameter has been introduced to control the use of RESTART AUTO. This parameter is described in the following section.

## 2.76 RETURN\_APPLICATION\_LOG

### Description

---

The RETURN\_JOB\_LOG option specifies whether or not the job's application log is returned (provided that an application log was created for the job).

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-applog <i>option</i>			✓		✓
Environment Variable	USAPAPPLOG= <i>option</i>			✓		
Configuration File Keyword	print_applog <i>option</i>			✓		✓

### Value

---

*option* is the specification for whether or not the application log is returned.

Valid values for *option* are:

- **yes**  
Application log is returned to standard error.
- **no**  
Application log is not returned.

**[Default is yes.]**

## 2.77 RETURN\_APPLICATION\_RC

### Description

The RETURN\_JOB\_RC option specifies whether or not the job's application return codes are returned (provided that application return codes were set for the job).

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-printapprc <i>option</i>			✓		✓
Environment Variable	USAPPRINTAPPRC= <i>option</i>			✓		
Configuration File Keyword	print_app_rc <i>option</i>			✓		✓

### Value

*option* is the specification for whether or not the application return codes are returned.

Valid values for *option* are:

- **yes**  
Application return codes are returned to standard error.
- **no**  
Application return codes are not returned.

**[Default is yes.]**



## 2.78 RETURN\_JOB\_LOG

### Description

---

The RETURN\_JOB\_LOG option specifies whether or not the job's job log is returned.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-g <i>option</i>			✓		✓
Command Line Option, Long Form	-joblog <i>option</i>			✓		✓
Environment Variable	USAPJOBLOG= <i>option</i>			✓		
Configuration File Keyword	print_joblog <i>option</i>			✓		✓

### Value

---

*option* is the specification for whether or not the job log is returned.

Valid values for *option* are:

- **yes**  
Job log is returned to standard out.
- **no**  
Job log is not returned.

**[Default is yes.]**

## 2.79 RETURN\_SPOOL\_LIST

### Description

---

The RETURN\_SPOOL\_LIST option specifies whether or not the spool lists of all job steps are returned.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-s <i>option</i>			✓		✓
Command Line Option, Long Form	-spoolist <i>option</i>			✓		✓
Environment Variable	USAPSPOLLIST= <i>option</i>			✓		
Configuration File Keyword	print_spoolist <i>option</i>			✓		✓

### Value

---

*option* is the specification for whether or not the spool lists are returned.

Valid values for *option* are:

- **yes**  
Spool lists are returned to standard out.
- **no**  
Spool lists are not returned.

**[Default is yes.]**

## 2.80 RETRY\_CALL\_COUNT

### Description

The RETRY\_CALL\_COUNT option specifies the number of unsuccessful RFC call retry attempts that can occur before USAP terminates the RFC call retry process and ends unsuccessfully.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-rfc_retry_count <i>interval</i>			✓		✓
Environment Variable	USAP_RFC_RETRY_COUNT= <i>interval</i>			✓		
Configuration File Keyword	rfc_retry_count <i>interval</i>			✓		✓

### Value

*interval* is the number of unsuccessful RFC call retry attempts that can occur before USAP terminates the RFC call retry process and ends unsuccessfully.

**[Default value is 10.]**

## 2.81 RETRY\_CALL\_INTERVAL

### Description

The RETRY\_CALL\_INTERVAL option specifies the number of seconds that will elapse between a failed RFC call and the retry of that call.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-rfc_retry_interval <i>interval</i>			✓		✓
Environment Variable	USAP_RFC_RETRY_INTERVAL= <i>interval</i>			✓		
Configuration File Keyword	rfc_retry_interval <i>interval</i>			✓		✓

### Value

*interval* is the number of seconds that will elapse between a failed RFC call and the retry of that call.

**[Default value is 10.]**

## 2.82 SECURE\_CFT

### Description

The SECURE\_CFT option specifies the mode of client fault tolerance that will be used for the command invocation.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-cft_secure_cft <i>option</i>			✓		✓
Environment Variable	USAP_CFT_SECURE_CFT= <i>option</i>			✓		
Configuration File Keyword	cft_secure_cft <i>option</i>			✓		✓

### Value

*option* is the mode of client fault tolerance that will be used for the command invocation.

Valid values for *option* are:

- **yes**  
Secure CFT will be used for the command. See Section [2.5 Client Fault Tolerance](#) in the Universal Connector 4.1.0 User Guide for details on the secure CFT mode.
- **no**  
Original pre-XBP 2.0 CFT will be used for the command. See Section [2.5 Client Fault Tolerance](#) in the Universal Connector 4.1.0 User Guide for details on the pre-XBP 2.0 CFT mode.

**[Default is yes.]**

## 2.83 SERVER\_STOP\_CONDITIONS

### Description

The SERVER\_STOP\_CONDITIONS option specifies one or more exit codes of the executing Universal Connector process that should trigger the locally running Universal Broker to cancel the corresponding SAP job.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-server_stop_conditions <i>codes</i>					✓
Environment Variable	USAPSERVERSTOPCONDITIONS= <i>codes</i>					✓
Configuration File Keyword	server_stop_conditions <i>codes</i>					✓

### Values

*codes* is an exit code, or a comma-separated list of exit codes, that should cause the SAP job to be cancelled.

z/OS ABEND codes are specified in two different formats:

- System ABEND code      Starts with S followed by a 3-character hexadecimal value.
- User ABEND code        Starts with U followed by a 4-character decimal value.

For example, when a job is terminated with the CANCEL console command, the job ends with a system ABEND code of S222.

**[There is no default.]**

## 2.84 SPOOL\_CODEPAGE

### Description

The SPOOL\_CODEPAGE option specifies the codepage that will be used for transferring spool lists from the SAP system.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-spool_codepage <i>codepage</i>			✓		✓
Environment Variable	USAPSPPOOLCODEPAGE= <i>codepage</i>			✓		
Configuration File Keyword	spool_codepage <i>codepage</i>			✓		✓

### Value

*codepage* is the codepage that will be used for transferring spool lists from the SAP system.

Valid values for *codepage* are any valid SAP codepage.

In addition, two special values can be used to specify the UTF-8 codepage:

- **UTF-8**
- **UTF8**

These values are equivalent to specifying **4110** (the SAP codepage for UTF-8).

## 2.85 SPOOL\_LIST\_CHILD

### Description

The SPOOL\_LIST\_CHILD option specifies whether or not spool lists for child jobs are returned (that is, printed to standard out).

Note: SPOOL\_LIST\_CHILD is evaluated only when both the [WAIT\\_FOR\\_CHILD\\_JOBS](#) and [RETURN\\_SPOOL\\_LIST](#) options are set to yes.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-spoolistchild <i>option</i>			✓		✓
Environment Variable	USAPSPOLLISTCHILD= <i>option</i>			✓		
Configuration File Keyword	print_spoolist_for_child_jobs <i>option</i>			✓		✓

### Value

*option* is the specification for whether or not job logs for child jobs are returned.

Valid values for *option* are:

- **yes**  
Spool list for each step of every child job is returned.
- **no**  
Spool lists for child jobs are not be returned.

**[Default is yes.]**



## 2.86 START\_JOB

### Description

---

The START\_JOB option starts the newly defined job.

(For the MODIFY JOB command, START\_JOB starts the modified job.)

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-S			✓		✓
Command Line Option, Long Form	-start			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

(There are no values used with this option.)

## 2.87 STATUS\_ABORTED

### Description

---

The STATUS\_ABORTED option specifies whether or not to include jobs with status **aborted** in selection criteria.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-aborted <i>option</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

*option* is the specification for whether or not to include jobs with status **aborted** in selection criteria.

Valid values for option are:

- **yes**  
Include jobs with status **aborted** in selection criteria.
- **no**  
Do not include jobs with status **aborted** in selection criteria.

**[Default is yes.]**

## 2.88 STATUS\_CHECK\_INTERVAL

### Description

The STATUS\_CHECK\_INTERVAL option specifies the number of seconds that can elapse, without a change in job status, before a call is made to synchronize the actual job status with the SAP stored status.

The job status synchronization is achieved by calling SAP function module BAPI\_XBP\_JOB\_STATUS\_CHECK. This addresses the unlikely scenario where an error condition in the SAP system prevents a completed job status from being written to the SAP database.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a			✓		✓
Command Line Option, Long Form	-job_stat_check_interval <i>seconds</i>			✓		✓
Environment Variable	USAPJOBSTATCHECKINTERVAL= <i>seconds</i>			✓		
Configuration File Keyword	job_stat_check_interval <i>seconds</i>			✓		✓

### Value

*seconds* is the number of seconds that can elapse before a call is made to synchronize the actual job status with the SAP stored status.

**[Default is 600.]**

## 2.89 STATUS\_FINISHED

### Description

---

The STATUS\_FINISHED option specifies whether or not to include jobs with status **finished** in selection criteria.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-finished <i>option</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

*option* is the specification for whether or not to include jobs with status **finished** in selection criteria.

Valid values for option are:

- **yes**  
Include jobs with status **finished** in selection criteria.
- **no**  
Do not include jobs with status **finished** in selection criteria.

**[Default is yes.]**

## 2.90 STATUS\_READY

### Description

---

The STATUS\_READY option specifies whether or not to include jobs with status `ready` in selection criteria.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-ready <i>option</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

*option* is the specification for whether or not to include jobs with status `ready` in selection criteria.

Valid values for option are:

- **yes**  
Include jobs with status `ready` in selection criteria.
- **no**  
Do not include jobs with status `ready` in selection criteria.

**[Default is yes.]**

## 2.91 STATUS\_RELEASED

### Description

---

The STATUS\_RELEASED option specifies whether or not to include jobs with status `re1eased` in selection criteria.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-released <i>option</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

*option* is the specification for whether or not to include jobs with status `re1eased` in selection criteria.

Valid values for option are:

- **yes**  
Include jobs with status `re1eased` in selection criteria.
- **no**  
Do not include jobs with status `re1eased` in selection criteria.

**[Default is yes.]**

## 2.92 STATUS\_RUNNING

### Description

The STATUS\_RUNNING option specifies whether or not to include jobs with status `running` in selection criteria.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-running <i>option</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

*option* is the specification for whether or not to include jobs with status `running` in selection criteria.

Valid values for option are:

- **yes**  
Include jobs with status `running` in selection criteria.
- **no**  
Do not include jobs with status `running` in selection criteria.

**[Default is yes.]**

## 2.93 STATUS\_SCHEDULED

### Description

The STATUS\_SCHEDULED option specifies whether or not to include jobs with status `scheduled` in selection criteria.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-scheduled <i>option</i>			√		√
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

*option* is the specification for whether or not to include jobs with status `scheduled` in selection criteria.

Valid values for option are:

- **yes**  
Include jobs with status `scheduled` in selection criteria.
- **no**  
Do not include jobs with status `scheduled` in selection criteria.

**[Default is yes.]**



## 2.94 STEP\_NUMBER

### Description

---

The STEP\_NUMBER option specifies the step number of the SAP job step.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-n <i>stepnumber</i>			✓		✓
Command Line Option, Long Form	-stepnum <i>stepnumber</i>			✓		✓
Environment Variable	USAPSTEPNUM= <i>stepnum</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*stepnum* is the step number of the SAP job step.

## 2.95 SYSLOG

### Description

---

The SYSLOG option specifies whether or not to generate a syslog report. SYSLOG is used when USAP is directed to wait for job completion.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-y <i>option</i>			✓		✓
Command Line Option, Long Form	-syslog <i>option</i>			✓		✓
Environment Variable	USAPSYSLOG= <i>option</i>			✓		
Configuration File Keyword	print_syslog <i>option</i>			✓		✓

### Value

---

*option* is the specification for whether or not to generate a syslog report.

Valid values for option are:

- **yes**  
Generate a syslog report on standard error.
- **no**  
Do not generate a syslog report.

**[Default is yes.]**

## 2.96 SYSLOG\_POST\_TIME

### Description

The SYSLOG\_POST\_TIME option specifies the number of seconds to add to the job end time when calculating the `to` time for the syslog report.

This will cause USAP to sleep for the specified number of seconds after a job ends and before retrieving the syslog. This is useful for allowing the SAP system time to log all relevant messages.

Note: SYSLOG\_POST\_TIME is used only when the [STATUS\\_READY](#) option is set to `yes`.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-syslogpost <i>seconds</i>			✓		✓
Environment Variable	USAPSYSLOGPOST <i>seconds</i>			✓		
Configuration File Keyword	syslog_post_time <i>seconds</i>			✓		✓

### Value

*seconds* is the number of seconds to add to the job end time.

**[Default is 15.]**

## 2.97 SYSLOG\_PRE\_TIME

### Description

The SYSLOG\_PRE\_TIME option specifies the number of seconds to subtract from the job release time when calculating the `from` time for the syslog report.

This can be used to obtain error messages that may have been generated prior to job release.

Note: SYSLOG\_PRE\_TIME is used only when the `STATUS_READY` option is set to `yes`.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-syslogpre <i>seconds</i>			✓		✓
Environment Variable	USAPSYSLOGPRE <i>seconds</i>			✓		
Configuration File Keyword	syslog_pre_time <i>seconds</i>			✓		✓

### Value

*seconds* is the number of seconds to subtract from the job release time.

**[Default is 0.]**

## 2.98 SYSTEM\_ID

### Description

The SYSTEM\_ID option identifies the local Universal Broker with which USAP must register before the Manager performs any request.

Each Universal Broker running on a system is configured with a system identifier that uniquely identifies the Broker.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-system_id <i>ID</i>					✓
Environment Variable	USAPSYSTEMID= <i>ID</i>					✓
Configuration File Keyword	n/a					

### Values

*ID* is the system identifier of the local Universal Broker.

(Refer to the local Universal Broker administrator for the appropriate system ID to use.)

## 2.99 SYSTEM\_NUMBER

### Description

The SYSTEM\_NUMBER option specifies the SAP system number of an SAP application server.

SYSTEM\_NUMBER, in conjunction with the [AS\\_HOST](#) option, can be used instead of the [DESTINATION](#) option to define a connection to an SAP system.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-sysnr <i>number</i>			√		√
Environment Variable	USAPSYSNR <i>number</i>			√		
Configuration File Keyword	sysnr <i>number</i>			√		√

### Value

*number* is the SAP system number of an SAP application server.

## 2.100 TARGET\_JOB\_NAME

### Description

---

The TARGET\_JOB\_NAME option specifies the name to give the newly created job.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-target_jobname <i>jobname</i>			√		√
Environment Variable	USAPTARGETJOBNAME= <i>jobname</i>			√		
Configuration File Keyword	n/a					

### Value

---

*jobname* is the name for the newly created job.

**[Default is the original jobname.]**

## 2.101 TARGET\_SERVER

### Description

The TARGET\_SERVER option specifies the server on which the job will run.

(For the DISPLAY LOG command, TARGET\_SERVER specifies the name of the server whose SYSLOG will be read.)

Note: TARGET\_SERVER is not available on SAP 3.1 and 4.0 systems.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-r <i>server</i>			✓		✓
Command Line Option, Long Form	-targetserver <i>server</i>			✓		✓
Environment Variable	USAPTARGETSRV= <i>server</i>			✓		
Configuration File Keyword	n/a					

### Value

*server* is the server on which the job will run.

**[Default is current server when used with the DISPLAY\_LOG command.]**



## 2.102 TARGET\_VARIANT

### Description

The TARGET\_VARIANT option specifies one or more replacement variants for ABAP program job steps in an SAP job.

Each execution of an ABAP program (job step) in an SAP job can use a single variant that contains parameters specific to that program. TARGET\_VARIANT specifies variants that can be used as replacement variants for one or more of these job steps in single SAP job execution.

When a user RUNs or SUBMITs a predefined SAP job that specifies TARGET\_VARIANT, USAP first performs a copy of the template job, then performs the variant substitution.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					✓
Command Line Option, Long Form	-target_variant <i>job step, variant name;</i> <i>[job step, variant name]...</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

Each target variant contains a pair of values:

- *job step* is the number of the job step (ABAP program) in the SAP job.
- *variant name* is the name of the replacement variable for that job step.

Each *job step / variant name* in a target variant is separated by a comma ( , ). Each target variant is separated by a semicolon ( ; ).

For example:

- -target\_variant **1,var1**
- -target\_variant **1,var1;3,var2;7,var3**

## 2.103 TECHNICAL\_DEVICE\_NAME

### Description

The TECHNICAL\_DEVICE\_NAME option specifies either a complete device name or a mask used to select SAP output devices that match the mask.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-short_name <i>name</i>			✓		✓
Environment Variable	USAPSHORTNAME= <i>name</i>			✓		
Configuration File Keyword	n/a					

### Value

*name* is either a complete device name or a mask used to select SAP output devices that match the mask.

A mask contains an asterisk ( \* ) to represent 0 or more characters of a device name.

## 2.104 TIMEOUT\_INTERVAL

### Description

The TIMEOUT\_INTERVAL option specifies the number of seconds that can elapse before USAP considers an RFC call to have timed out.

This sets a time constraint on all RFC functions, with the exception of a blocking RFC connect call.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-rfc_timeout <i>interval</i>			✓		✓
Environment Variable	USAP_RFC_TIMEOUT= <i>interval</i>			✓		
Configuration File Keyword	rfc_timeout <i>interval</i>			✓		✓

### Value

*interval* is the number of seconds that can elapse before USAP considers an RFC call to have timed out.

**[Default value is 120.]**

## 2.105 TO\_DATE

### Description

---

The TO\_DATE option specifies the latest date to use for job selection or syslog request.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-todate <i>date</i>			✓		✓
Environment Variable	USAPTODATE= <i>date</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*date* is the latest date to use for job selection or syslog request.

The format of *date* is:

YYYY/MM/DD

## 2.106 TO\_TIME

### Description

---

The TO\_TIME option specifies the latest time to use for job selection or syslog request.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-totime <i>time</i>			✓		✓
Environment Variable	USAPTOTIME= <i>time</i>			✓		✓
Configuration File Keyword	n/a					

### Value

---

*time* is the latest time to use for job selection or syslog request.

The format of *time* is:

HH:MM:SS

## 2.107 TRACE\_DIRECTORY

### Description

---

The TRACE\_DIRECTORY option specifies the directory where RFC trace files will be written.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-rfc_trace_dir <i>path</i>					√
Environment Variable	n/a					
Configuration File Keyword	rfc_trace_dir <i>path</i>					√

### Value

---

*path* is the directory where RFC trace files will be written.

A value of . will cause the trace files to be created or appended in the home directory of the user under which USAP is running.

**[Default value is /tmp.]**

## 2.108 TRACE\_FILE\_LINES

### Description

The TRACE\_FILE\_LINES option specifies the maximum number of lines to write to the trace file.

A trace file is generated when the MESSAGE\_LEVEL option is set to **trace**. The trace file will wrap around when the maximum number of lines has been reached and start writing trace entries after the trace header lines.

#### z/OS

In order for the trace file to wrap, the data set must support repositioning. Only sequential, fixed record format data sets support repositioning.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-tracefilelines <i>lines</i>			✓		✓
Environment Variable	USAPTRACEFILELINES <i>lines</i>			✓		
Configuration File Keyword	trace_file_lines <i>lines</i>			✓		✓

### Value

*lines* is the maximum number of lines to write to the trace file.

**[Default is 500,000,000.]**

## 2.109 TRACE\_TABLE

### Description

The TRACE\_TABLE option specifies the size of a wrap-around trace table, and under what conditions the table is written to a file when the process ends.

Trace data can be written to a file / data set as it is produced, or it can be written to a table maintained in memory.

The trace table is written to a file / data set when the program ends under the conditions specified in this option. Tracing is activated, and a trace file is generated, when the MESSAGE\_LEVEL option is set to **trace**.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-trace_table size, condition			✓		✓
Environment Variable	n/a					
Configuration File Keyword	trace_table size, condition			✓		✓

### Values

*size* is the size (in bytes) of the table.

The size can be suffixed with either of the following characters:

- M Indicates that the size is specified in megabytes.
- K Indicates that the size is specified in kilobytes.

For example, 50M indicates that 50 X 1,048,576 bytes of memory is allocated for the trace table.

**[Default is 0 (trace table is not used).]**



*condition* is the condition under which the trace table is written.

Valid values for *condition* are:

- **error**  
Write the trace table if the program ends with a non-zero exit code.
- **always**  
Write the trace table when the program ends regardless of the exit code.
- **never**  
Never write the trace table.

**[Default is never.]**

## 2.110 TRANSLATION\_TABLE

### Description

The TRANSLATION\_TABLE option specifies the spool list translation table file to use for formatting returned spool lists.

The Spoolist Translate Table (STT) files are used to format raw (SAP internal format) spoollists. The STT files are located in the NLS subdirectory of the installation directory.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-t <i>translation_table</i>			✓		✓
Command Line Option, Long Form	-transtab <i>translation_table</i>			✓		✓
Environment Variable	USAPTRANSTAB= <i>translation_table</i>			✓		
Configuration File Keyword	<i>translation_table translation_table</i>			✓		✓

### Value

*translation\_table* is the base file name of the translation table (STT) file to use for formatting returned spool lists.

All STT files end with an extension of `.stt`.

**[Default is *default*.]**

(The *default* translation table contains translations for the standard SAP formatting codes to appropriate ASCII character representations.)

## 2.111 USAP\_POLL

### Description

The USAP\_POLL option specifies the number of seconds to wait between job status calls to the SAP system.

These status calls are used to monitor the SAP job and, therefore, are made repeatedly until the job completes.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-p <i>seconds</i>			✓		✓
Command Line Option, Long Form	-poll <i>seconds</i>			✓		✓
Environment Variable	USAPPOLL= <i>seconds</i>			✓		
Configuration File Keyword	poll_time <i>seconds</i>			✓		✓

### Value

*seconds* is the number of seconds to wait between job status calls.

**[Default is 10.]**

## 2.112 USE\_APPLICATION\_RC

### Description

The USE\_APPLICATION\_RC option specifies whether or not the job's application return codes are used to determine the exit code of the Universal Connector job.

If USE\_APPLICATION\_RC is turned on, Universal Connector will merge the SAP job's application return codes with other factors that can affect the exit code of the Universal Connector job. In the merge process, the highest value recorded is used as the exit code.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-useapprc <i>option</i>			✓		✓
Environment Variable	USAPUSEAPPRC= <i>option</i>			✓		
Configuration File Keyword	use_app_rc <i>option</i>			✓		✓

### Value

*option* is the specification for whether or not the application return codes will be merged with the Universal Connector exit code.

Valid values for *option* are:

- **yes**  
Application return codes are merged with the Universal Connector exit code.
- **no**  
Application return codes are not merged with the Universal Connector exit code.

**[Default is no.]**

## 2.113 USER\_ID

### Description

---

The USER\_ID option specifies the SAP user ID with which to logon to the SAP system.

If the user ID is not specified and the command is executed from a console, USAP prompts for a user ID.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-u <i>userid</i>			✓		✓
Command Line Option, Long Form	-userid <i>userid</i>			✓		✓
Environment Variable	USAPUSERID= <i>userid</i>			✓		
Configuration File Keyword	userid <i>userid</i>			✓		✓

### Value

---

*userid* is the SAP user ID with which to logon to the SAP system.

## 2.114 USER\_NAME

### Description

The USER\_NAME option specifies the user ID associated with a job.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-selusername <i>userid</i>			✓		✓
Environment Variable	USAPSELUSERNAME= <i>userid</i>			✓		
Configuration File Keyword	n/a					

### Value

*userid* is the user ID.

*userid* is either:

- Complete user ID
- User ID mask

Note: A mask contains an asterisk ( \* ) to represent 0 or more characters of a user ID.

**[Default is the user ID with which USAP currently is running.]**

## 2.115 VARIANT

### Description

---

The VARIANT option specifies the pre-existing SAP variant whose contents will be displayed.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	<code>-V <i>variant</i></code>			✓		✓
Command Line Option, Long Form	<code>-variant <i>variant</i></code>			✓		✓
Environment Variable	<code>USAPVARIANT=<i>variant</i></code>			✓		
Configuration File Keyword	n/a					

### Value

---

*variant* is the pre-existing SAP variant.

## 2.116 VARIANT\_LANGUAGE

### Description

The VARIANT\_LANGUAGE option specifies the preferred language in which to return the variant description.

The option is only effective if a variant description exists on the SAP system in the language specified.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-varlang <i>language</i>			✓		✓
Environment Variable	USAPVARLANG <i>language</i>			✓		
Configuration File Keyword	variant_language <i>language</i>			✓		✓

### Value

*language* is the language in which to return the variant description.

**[Default is EN.]**



## 2.117 VARIANT\_SELECTION

### Description

---

The VARIANT\_SELECTION option specifies the display of available variants.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-varselopt <i>option</i>			✓		✓
Environment Variable	USAPVARSELOPT= <i>option</i>			✓		
Configuration File Keyword	n/a					

### Value

---

*option* is the variant selection option.

Valid values for *option* are:

- **A**  
Display variants that are available for batch and dialog modes.
- **B**  
Displays variants that are available for batch mode only.

## 2.118 VERSION

### Description

---

The VERSION option writes USAP version and copyright information.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-v			✓		✓
Command Line Option, Long Form	-version			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

---

(There are no values required for this option.)

## 2.119 WAIT

### Description

The WAIT option causes USAP to wait for the SAP job to complete processing.

(When used with the FS JOB NETWORK command, WAIT causes USAP to wait for the SAP job network to complete processing.)

When WAIT is used, the exit code of USAP indicates the completion status of the SAP job / network. (See Sections [3.5 Exit Codes](#) (for z/OS) and [4.5 Exit Codes](#) (for UNIX) in the Universal Connector 4.1.0 User Guide for a complete list of job status exit codes.)

It also allows USAP to return the joblog and spoolists for the job. [RETURN\\_JOB\\_LOG](#) controls the return of the joblog. [RETURN\\_SPOOL\\_LIST](#) controls the return of the spoolist.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	-W			✓		✓
Command Line Option, Long Form	-wait			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

(There are no values used with this option.)

## 2.120 WAIT\_FOR\_CHILD\_JOBS

### Description

The WAIT\_FOR\_CHILD\_JOBS option specifies whether or not to monitor child jobs.

WAIT\_FOR\_CHILD\_JOBS is dependant on the USAP WAIT or RUN command. It is evaluated only when the WAIT command is being used.

When WAIT\_FOR\_CHILD\_JOBS is used, USAP will exit with most significant completion status received from all monitored jobs.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-waitchild <i>option</i>			✓		✓
Environment Variable	USAPWAITCHILD= <i>option</i>					
Configuration File Keyword	wait_for_child_jobs <i>option</i>			✓		✓

### Value

*option* is the specification for whether or not to monitor child jobs.

Valid values for *option* are:

- **yes**  
USAP will monitor all child jobs to completion.
- **no**  
USAP will not monitor child jobs.

**[Default is yes.]**

## 2.121 WITH\_PREDECESSOR

### Description

The WITH\_PREDECESSOR option specifies whether or not to include jobs with start after predecessor in selection criteria.

### Usage

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-withpred <i>option</i>			✓		✓
Environment Variable	n/a					
Configuration File Keyword	n/a					

### Value

*option* is the specification for whether or not to include jobs with start after predecessor in selection criteria.

Valid values for option are:

- **yes**  
Include jobs with start after predecessor in selection criteria.
- **no**  
Do not include jobs with start after predecessor in selection criteria.

**[Default is yes.]**

## 2.122 XMI\_AUDIT\_LEVEL

### Description

---

The XMI\_AUDIT\_LEVEL option sets the XMI audit level to be used for the execution of the command.

### Usage

---

Method	Syntax	OS/400	NonStop	UNIX	Windows	z/OS
Command Line Option, Short Form	n/a					
Command Line Option, Long Form	-xmiaudit <i>level</i>			✓		✓
Environment Variable	USAPXMIAUDIT= <i>level</i>			✓		
Configuration File Keyword	xmi_audit_level <i>level</i>			✓		✓

### Value

---

*level* is the XMI audit level to be used for the execution of the command.

Valid values for *level* are 0, 1, 2, and 3. The amount of information logged in the XMI log increases with higher audit level values.

**[Default is 0.]**

---

# Appendix A

# Customer Support

---

Stonebranch, Inc. provides technical support, via telephone and e-mail, for Universal Connector and all Indesca / Infitran components.

## E-MAIL

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### All Locations

[support@stonebranch.com](mailto:support@stonebranch.com)

Customer support contact via e-mail also can be made via the Stonebranch website:

[www.stonebranch.com](http://www.stonebranch.com)

## TELEPHONE

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Customer support via telephone is available 24 hours per day, 7 days per week.

### North America

**(+1) 678 366-7887, extension 6**

**(+1) 877 366-7887, extension 6 [toll-free]**

### Europe

**+49 (0) 700 5566 7887**







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