

Universal Automation Center Agent 5.2.0

Reference Guide

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Universal Automation Center Agent

Universal Automation Center Agent (UAG) provides agent services for Opswise Controller, the Stonebranch workload automation solution that performs job scheduling, file transfer, and event monitoring across all server platforms in an enterprise.

UAG enables the Controller to schedule workload, transfer files, and monitor events on the Opswise Universal Agent system, integrating with the Controller to provide distributed, workload automation throughout the enterprise.

Usage

Universal Automation Center Agent (UAG) automatically starts when the Universal Broker starts and stops when the Universal Broker stops. In order for UAG to register with the Controller, UAG's network configuration options must be appropriately defined for your local deployment.

The UAG and the Controller communicate using the Opswise Message Service (OMS) server. The OMS server provides for secure, reliable, asynchronous message oriented communications over TCP/IP sockets.

For now, the communication components Transport and Hub are still supported by 5.2.0 UAG and the Controller. The Transport and Hub are functionally stabilized and support will be discontinued in a future release. It is highly recommended to migrate from the Transport and Hub to

Configuration

UAG must be configured with the TCP/IP addresses of the OMS servers. An OMS server address is the TCP/IP port number and host name or IP address. A comma-separated list of OMS server addresses may be specified that represent an OMS server High Availability cluster.

For detailed information on the configuration options, see Universal Automation Center Agent Configuration Options.

Component Definition

The Component Definition is a text file of options that defines UAG-specific information required by the Universal Broker.

For detailed information on the Component Definition options, see Universal Automation Center Agent Component Definition Options.

Universal Access Control List

Universal Access Control Lists (UACLs) provide an additional layer of control over how work is executed by UAG. UAG is deployed on all Agents to perform services, such as executing tasks or monitoring files, on behalf of the Controller. Where the Controller provides a secure, central point of control for all enterprise workload, UACLs provide an additional layer of security control on the systems running UAG. The UACLs provide the ability to customize security controls as required by the local security policy that governs a system.

UAG can execute tasks with or without user credentials. The task credentials define the user account (and password) with which the task executes.

The UACLs provide two capabilities in regards to task execution:

1. Restrict the user accounts with which the Controller tasks execute. Specific user accounts can be denied or allowed access. For example, a UACL entry can deny access to any task request executing as root, or allow only specific user accounts to be used for

task execution and deny all others.

2. Disable user authentication. User authentication is performed by UAG with the user account and password provided in the Controller credentials before UAG executes the requested task. For tasks executed from the Controller using specific user accounts, UACL entries can disable authentication so that passwords for these accounts do not have to be managed in the Controller. The task executes with the requested user account as if authentication was successfully completed.



Note

This is available only on UNIX and Linux platforms.

UACL Entries

The syntax of a UACL entry file is the same as the UAG configuration file.

For detailed information about each UACL entry, see Universal Automation Center Agent UACL Entries.

Detailed Information

The following pages provide additional detailed information for UAG:

- Universal Automation Center Agent on zOS
- Universal Automation Center Agent Configuration Options
- Universal Automation Center Agent Component Definition Options
- Universal Automation Center Agent UACL Entries

Universal Automation Center Agent on zOS

- · z/OS Application Monitoring and Control
- Extended MCS Console
 - Security

z/OS Application Monitoring and Control

The Opswise Controller Application Monitoring and Control feature allows you to use Opswise Controller as an application monitoring and control system. You can start, stop, and query applications running on any system where you have an Agent installed and running.

A z/OS Opswise Application resource identifies a z/OS started task to be monitored and controlled by a z/OS Agent. The z/OS Agent executes MVS system commands using an extended MCS console to perform the start, stop, and query actions specified in the Application resource.

Extended MCS Console

Universal Automation Center Agent (UAG) establishes an extended MCS console with the following attributes:

Extended MCS Attribute	Value
Command Authority	Master Authority
Console Key (used in DISPLAY C command)	NONE
Console Name	UBROKER SYSTEM_ID value
Command Scope	Current system
Message Scope	Current system
Override User Profile OPERPARM	Yes

Security

The extended MCS console is activated and deactivated with the UBROKER STC user ID. The system commands are executed using the extended MCS console with the user ID defined by the Application resource credentials. If no credentials are specified in the Application resource definition, the system commands are executed with the UBROKER STC user ID.

Extended MCS consoles can be protected so that only permitted users have the authority to issue commands. The RACF OPERCMDS class is used to establish user security for extended MCS consoles.

Refer to the IBM MVS Planning: Operations and the Security Server RACF Security Administrator Guide manuals for complete details.

Universal Automation Center Agent Configuration Options

- Overview
- Configuration Options Information
 - Description
 - Usage
 - Values
 - Additional Information>
- Configuration Options List

Overview

This page provides links to detailed information on the configuration options available for use with the Universal Automation Center Agent (UAG).

The options are listed alphabetically, without regard to any specific operating system.

Configuration Options Information

For each configuration option, these pages provide the following information.

Description

Describes the configuration option and how it is used.

Usage

Provides a table of the following information:

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	<format value=""></format>					

Method

Identifies the method used to specify Universal Automation Center Agent configuration options:

• Configuration File Keyword

Syntax

Identifies the syntax of the method used to specify the option:

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

(Operating System)

Identifies the operating systems for which each method of specifying the option is valid:

- IBM i
- HP NonStop
- UNIX
- Windows
- z/OS

Values

Identifies all possible values for the specified value type.

Defaults are identified in **bold type**.

Additional Information>

Identifies any additional information specific to the option.

Configuration Options List

The following table identifies all Universal Automation Center Agent configuration options. Each **Option Name** is a link to detailed information about that option.

Option Name	Description
AGENT_CLUSTERS	List of Agent Clusters to join automatically.
AGENT_IP	IP address of an Agent.
AUTOMATION_CENTER_CORE	Queue name for the Opswise Controller Message Hub.
AUTOMATION_CENTER_TRANSPORTS	Port and network address of the Opswise Controller Transporter(s) used for network communication.
CODE_PAGE	Text translation code page.
DATA_DIRECTORY	Base directory for the UAG cache/, logs/, and var/ sub-directories.
DSN_DELETE_EXCLUDE	Data sets that are excluded from UAG re-run data set delete processing.
ENABLE_SSL	Specification for whether to enable or disable the SSL protocol for network communications between UAG and the Opswise Controller Transport.
FM_CREATE_FAIL_NODIR	Specification for whether or not a Universal Controller File Monitor task with a Monitor Type of Create will fail if the directory specified in the file(s) to monitor does not exist.
INSTALLATION_DIRECTORY	Base directory where product is installed.
JCL_LIBRARY	JCL library ddname allocations.
JES_SYSOUT_CLASS	JES held class dedicate to UAG SYSOUT processing.
JES_SYSOUT_DISP	Disposition of a job's SYSOUT data sets once UAG has completed processing

	them.
JES_SYSOUT_RETENTION	Number of hours that job SYSOUT files are retained in the UAG cache directory.
JTSK_NUM	Number of job task worker threads (JTSK threads) created, which are responsible for job-related services, such as job submission, tracking, and JES sysout collection.
LOGLVL	Logging level of UAG.
LOGON_METHOD	Specification for whether the Batch Logon or Interactive Logon type will be used for all of the tasks executed by the Agent.
MESSAGE_LEVEL	Level of messages written.
NETNAME	Default network ID of UAG.
NETWORK_PROVIDER	Network communications provider between Opswise Controller and Opswise Universal Agent.
OMS_SERVERS	Port and network address of the Opswise Message Service (OMS) server(s) used for network communications.
SECURITY	Activates user security.
SSL_CIPHER_LIST	SSL cipher suites acceptable for use by the SSL protocol.
SSL_SERVER_AUTH	Enables OMS server certificate authentication if the SSL protocol is used for network communication.
TMP_DIRECTORY	Directory for temporary files.
TRACE_DIRECTORY	Directory for trace files.
TRACE_FILE_LINES	Maximum number of lines written to the trace file.
TRACE_TABLE	Memory trace table specification.
TXTDEBUG	Specification for enabling or disabling additional diagnostics messages.

AGENT_CLUSTERS - UAG configuration option

Description

The AGENT_CLUSTERS option specifies the list of Agent Clusters to join automatically.

(For information on creating agent clusters and assigning agents to agent clusters, see Agent Clusters.)

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	agent_clusters list			②	②	②

Values

list is the list of Agent Clusters to join automatically.

The syntax of *list* is a text string. Cluster names are separated by commas.

For example:

agent_clusters 'GA Cluster, CA Cluster'

Default is 'Opswise - Default Linux/Unix Cluster, Opswise - Default Windows Cluster'.

AGENT_IP - UAG configuration option

Description

The AGENT_IP option specifies the IP address or host name (which resolves to an IP address) that the Agent reports to the Controller.

- If AGENT_IP specifies an IP address, the Agent reads the list of local network interfaces (and their IP addresses) and compares the
 specified IP address against the list. If the specified IP address is not the address of one of the local interfaces, the Agent reports an error
 and terminates
- If AGENT_IP specifies a host name, the host name gets resolved to an IP address. The Agent reads the list of local network interfaces (and their IP addresses) and compares the IP address of the specified host name against the list. If the Agent cannot resolve the host name to an IP address, the Agent reports an error and terminates.
- If the AGENT_IP is not specified, the Agent gets its host name and resolves that to an IP address. If the name cannot be resolved, 127.0.0.1 is used as the IP address; otherwise, the resolved address is used.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	agent_ip address			②	Ø	Ø

Values

address is the IP address or host name of the Agent.

AUTOMATION_CENTER_CORE - UAG configuration option



Deprecated

The Transport and Hub have been replaced with the Opswise Message Service (OMS) starting with 5.2.0. The Transport and Hub have been functionally stabilized, and support shall be dropped in a future release.

Description

The AUTOMATION_CENTER_CORE option specifies the queue name for the Opswise Automation Center 5.1.0 Message Hub.

If the NETWORK_PROVIDER option is set to **transport**, this option, along with the AUTOMATION_CENTER_TRANSPORTS option, is required for Universal Automation Center Agent (UAG) to be activated.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	automation_center_core name			②	•	Ø

Value

name is the queue name for the Opswise Automation Center 5.1.0 Message Hub.

The default is HUB01.

Example

automation_center_core HUB01

AUTOMATION_CENTER_TRANSPORTS - UAG configuration option



Deprecated

The Transport and Hub have been replaced with the Opswise Message Service (OMS) starting with 5.2.0. The Transport and Hub have been functionally stabilized, and support will be discontinued in a future release.

Description

The AUTOMATION_CENTER_TRANSPORTS option specifies the port and network address of the Opswise Automation Center 5.1.0 Transporter(s) used for network communication.

If the NETWORK_PROVIDER option is set to **transport**, this option, along with the AUTOMATION_CENTER_CORE option, is required for Universal Automation Center Agent (UAG) to be activated.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	automation_center_transports port@host [,port@host]			Ø	•	②

Value

port is the TCP port on which the Transporter is listening. The default port is 4803.

host is the host name or IP address of the Transporter.

If multiple Transporters are specified, they must be comma-separated.

Example

automation_center_transports 4803@dallas.acme.com,4804@tucson.acme.com

CODE_PAGE - UAG configuration option

Description

The CODE_PAGE option specifies the character code page that is used to translate text data received and transmitted over the network.

The Universal Translate Table (UTT) files are used to translate between Unicode and the local single-byte code page.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	codepage codepage			②	②	Ø

Value

codepage is the character code page that is used to translate data.

codepage references a Universal Translate Table (UTT) file provided with the product (see UTT Files for information on UTT files). UTT files are used to translate between Unicode and the local single-byte code page. (All UTT files end with an extension of .utt.)

Default

The default code page is different for different operating systems:

- ISO8859-1 (8-bit ASCII): ASCII-based operating systems
- IBM1047 (EBCDIC): EBCDIC-based operating system

See Character Code Pages for a complete list of character code pages provided by Stonebranch Inc. for use with Opswise Universal Agent components.

DATA_DIRECTORY - UAG configuration option

Description

The DATA_DIRECTORY option specifies the base directory for the UAG $\mathtt{cache/}$, $\mathtt{logs/}$, and $\mathtt{var/}$ sub-directories.



Note

By default, these sub-directories are hard-coded to /var/opt/universal/uag. This presents a problem when trying to run multiple Universal Brokers/UAGs on the same system, and in a scenario where you cannot have those directories under /var/opt/universal/uag.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	data_directory directory			②	Ø	

Value

directory is the full path name of the base directory for the UAG cache/, logs/, and var/ sub-directories.

Defaults

UNIX	/var/opt/universal/uag
Windows	'.' (which gets translated to <installation directory="">\UAGSrv)</installation>

DSN_DELETE_EXCLUDE - UAG Configuration Option

Description

The DSN_DELETE_EXCLUDE option specifies the names of data sets that are excluded from UAG data set delete processing.

When UAG launches a zOS task, it analyzes the JCL to determine which data sets to delete in order to avoid duplicate data set creation. Data sets specified to be excluded from delete processing are never considered by UAG for deletion, even in cases where they should be in order to successfully re-run a job.

The DSN_DELETE_EXCLUDE option can be specified multiple times. All specified data sets are added to the list of data sets to exclude from delete processing.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	dsn_delete_exclude dataset[,dataset]					Ø

Value

dataset is the name of a data set to exclude from delete processing.

dataset can be either a fully-qualified data set name or it can end with an asterisk (*) to match any data set name starting with the specified dataset value. An asterisk can only be used at the end of the dataset value.

There is no default value.

Examples

```
dsn_delete_exclude sys1.*,sys2.*,app.prod.data
```

This example excludes all data sets starting with SYS1. and SYS2. and fully-qualified data set APP.PROD.DATA from UAG data set delete processing. UAG will never delete these data sets, even when it would be necessary to successfully execute or re-run a job.

```
dsn_delete_exclude sys1.*
dsn_delete_exclude sys2.*
dsn_delete_exclude app.prod.data
```

This example excludes the same data sets as the previous example from delete processing. The DSN_DELETE_EXCLUDE option is used multiple times to specify each of the data sets to be excluded instead of a comma-separated list of data set names.

```
dsn_delete_exclude *
```

This example excludes all data sets from delete processing.

ENABLE_SSL - UAG configuration option

Description

The ENABLE_SSL option specifies whether to enable or disable the SSL protocol for network communications between UAG and the Opswise Message Service (OMS).

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	enable_ssl option			②	②	②

Values

option is the specification for whether to enable or disable the SSL protocol

Valid values for option are:

- yes SSL is enabled.no SSL is disabled.

Default is no.

FM_CREATE_FAIL_NODIR - UAG configuration option

Description

The FM_CREATE_FAIL_NODIR option specifies whether or not a Universal Controller File Monitor task with a Monitor Type of **Create** will fail if the directory specified in the file(s) to monitor does not exist.



Note

Starting with UAGSRV 5.2.0.0, the default behavior of **Create** File Monitor tasks was changed to fail if the directory provided in the file path did not exist. This behavior is incompatible with pre-5.2.0.0 releases.

UAGSRV 5.2.0.11 (delivered with the Universal Agent 5.2.0.11 maintenance release) restores the default behavior that existed prior to 5.2.0.0, which allows a File Monitor task to continue executing and to wait (if necessary) for the complete path to be created.

For any **Create** File Monitor task you may have implemented since 5.2.0.0 – where the task is expected to fail if the directory does not exist – UAGSRV 5.2.0.11 provides FM_CREATE_FAIL_NODIR to restore pre-5.2.0.11 behavior.

The behavior delivered with UAGSRV 5.2.0.11 will continue to be the default, and any new **Create**" File Monitor tasks should be designed with this in mind.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	fm_create_fail_nodir option			Ø	•	>

Values

option specifies whether or not a Create File Monitor task will fail if the specified directory does not exist when the task begins execution.

Valid values for option are:

- yes
 - Task will fail if the specified directory does not exist when the task is launched.
- no

Task will continue to execute if the specified directory does not exist when the task is launched.

Default is no.

INSTALLATION_DIRECTORY - UAG configuration option

Description

The INSTALLATION_DIRECTORY option specifies the Universal Automation Center Agent (UAG) base installation directory.



Note

This is a required option.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	installation_directory directory			②	•	

Value

directory is the name of the UAG base installation directory.

A full path name is required.



UNIX

If UAG is installed in /opt/universal/uag, specify that entire path name: /opt/universal/uag.



Windows

The default is set in the uags.conf file at installation time.

JCL_LIBRARY - UAG configuration option

Description

The JCL_LIBRARY option specifies the JCL library ddname allocations.

JCL libraries are referred to by Opswise Controller z/OS task definitions by ddname and member name for batch job submission.

You can JCL_LIBRARY multiple times for the same ddname. All the data sets specified on the JCL_LIBRARY options are concatenated on the ddname in the order read.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	jcl_library ddname,dataset[UAG520: ,dataset]					Ø

Value

The value is a ddname followed by a comma-seperated list of one or more data set names to allocate to the ddname. The data sets are concatenated on the ddname in the order listed.

There is no default value.

Examples

```
jcl_library prod,sys1.jcl.cntl,sys2.jcl.cntl
```

This example illustrate two data sets being allocated to ddname PROD.

 ${\tt sys1.jcl.cntl}$ will be first in the concatenation since it is first in the data set list.

This example illustrates two ddnames being allocated, PROD and TEST.

- The PROD ddname will have data sets sys1.jcl.cntl and sys2.jcl.cntl allocated in that order.
- The TEST ddname will have test1.jcl.cntl, test2.jcl.cntl, test3.jcl.cntl allocated in that order.

JES_SYSOUT_CLASS - UAG configuration option

Description

The JES_SYSOUT_CLASS option specifies the JES held class dedicated to UAG SYSOUT processing.

Universal Automation Center Agent (UAG) processes a number of SYSOUT data sets produced by the batch jobs it submits. When there are multiple SYSOUT applications in the environment, JES_SYSOUT_CLASS must be specified for UAG to reliably process the SYSOUT data sets.

By specifying a JES_SYSOUT_CLASS value, UAG will add or update the JCL JOB statement MSGCLASS parameter to the JES_SYSOUT_CLASS value. UAG will process the SYSOUT data sets from this JES held class. Once it has completed processing, it performs final disposition of the SYSOUT data sets as specified by the UAG JES_SYSOUT_DISP option.

See JES SYSOUT Processing for a description of UAG SYSOUT Processing configuration.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	jes_sysout_class <i>class</i>					②

Value

class is the JES held class dedicated to UAG SYSOUT processing.

Valid value for *class* is any JES held class. A JES held class is defined with a JES JOBCLASS statement with an OUTDISP parameter value of HOLD, HOLD. The class must be used exclusively by UAG.

If no class is specified, UAG will select a job's SYSOUT data sets from any class with any disposition (held or not).

JES_SYSOUT_DISP - UAG configuration option

Description

The JES_SYSOUT_DISP option specifies the disposition of a job's SYSOUT data sets once Universal Automation Center Agent (UAG) has completed processing them.

The JES_SYSOUT_DISP, JES_SYSOUT_CLASS, and JES_SYSOUT_RETENTION options together are used to configure UAG's SYSOUT processing.

See JES SYSOUT Processing for a description of UAG SYSOUT Processing configuration.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	<pre>jes_sysout_disp disp[, {*[, defaultClass] class}]</pre>					②

Value

disp is the SYSOUT data sets disposition.

Valid values for disp are:

- DELETE
 - SYSOUT data sets are deleted from the JES spool.
- KEEF
- SYSOUT data sets are kept as they are.
- HOLD
 - SYSOUT data sets are held.
- RELEASE
 - SYSOUT data sets are released.

For disposition values other than DELETE, the SYSOUT data sets can be requeued to another JES class, class.

The requeue class value is optional. If it is not specified, the SYSOUT data sets remain in their current class.

Valid values for class are:

- An asterisk (*) specifies the SYSOUT data sets are requeued back to the original MSGCLASS value. This option works in conjunction
 with the JES_SYSOUT_CLASS option. The defaultClass value is the default class if the job's JCL JOB statement did not include a
 MSGCLASS parameter. The defaultClass default is class A.
- A JES class to which the SYSOUT data sets are requeued.

If the JES_SYSOUT_DISP value is anything other than KEEP, the JES_SYSOUT_CLASS option is required.

Examples

```
jes_sysout_disp keep,*,H
```

This example sets the final disposition of SYSOUT data sets to KEEP, which will leave the SYSOUT data sets disposition unchanged.

The requeue class is *, which works in conjunction with the JES_SYSOUT_CLASS option. The SYSOUT data sets are requeued to the original MSGLCLASS value of the job. If the job's JCL JOB statement originally included MSGCLASS=X, the SYSOUT data sets will be requeued to class X. If the JOB statement did not include a MSGCLASS parameter, the SYSOUT data sets are requeued to the default class of H.

```
jes_sysout_disp release,*
```

This example sets the final disposition of SYSOUT data sets to RELEASE, which will release the SYSOUT data sets to the JES output queue.

The requeue class is *, which works in conjunction with the JES_SYSOUT_CLASS option. The SYSOUT data sets are requeued to the original MSGLCLASS value of the job. If the job's JCL JOB statement originally included MSGCLASS=H, the SYSOUT data sets will be requeued to class H. If the JOB statement did not include a MSGCLASS parameter, the SYSOUT data sets are requeued to the default, default class of A.

```
jes_sysout_disp hold,H
```

This example sets the final disposition of SYSOUT data sets to HOLD, which sets the SYSOUT data sets disposition to hold.

The SYSOUT data sets are requeued to class H.

```
jes_sysout_disp delete
```

This example sets the final disposition of SYSOUT data sets to DELETE, which removes the SYSOUT data sets from the JES spool.

JES_SYSOUT_RETENTION - UAG Configuration Option

Description

The JES_SYSOUT_RETENTION option specifies the number of hours that job SYSOUT files are retained in the UAG cache directory. The SYSOUT files are deleted once the retention period expires.

See JES SYSOUT Processing for a description of UAG SYSOUT Processing configuration.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	jes_sysout_retention hours					>

Value

hours is the number of hours job SYSOUT files are retained in the UAG cache directory.

The default is 1.

JTSK_NUM - UAG Configuration Option

Description

UAG uses a fixed number of job task worker threads (JTSK threads) responsible job-related services, such as job submission, tracking, and JES sysout collection.

The JTSK_NUM option specifies the number of JTSK threads created. Job task throughput may be improved with more JTSK threads, depending on O/S resource availability.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	jtsk_num <i>number</i>					②

Value

number is the number of JTSK threads created. Valid vales are in the range of 1 to 64, inclusively.

Default is 5.

LOGLVL - UAG configuration option

Description

The LOGLVL option specifies the logging level of Universal Automation Center Agent (UAG).

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	logivi level			②	•	②

Values

level is the logging level of UAG.

Valid values for level are:

- E ERROR level.
- W WARN level.
- I INFO level.
- **D** DEBUG level.
- T TRACE level.

Default is I.

LOGON_METHOD - UAG Configuration Option

Description

The LOGON_METHOD option specifies whether the Batch Logon or Interactive Logon type will be used for all of the tasks executed by the Agent.



Note

This option is ignored if the SECURITY configuration option is set to none.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	logon option				②	

Values

option is the user's log on method.

Valid values for option are:

• batch

Windows log on type is **batch**. A batch logon is provided to establish an execution environment for processes that execute on a user's behalf, but without that user's direct interaction. When this logon type is used, the user account must have the "Allow log on as a batch job" permission granted to it. Likewise, the account must not have the "Deny log on as a batch job" policy assigned to it.

interactive

Windows logon type is **interactive**. An interactive logon establishes an execution environment similar to one a user could expect to have when physically logged in to a workstation. When this logon type is used, the user account must have the "Allow log on locally" permission granted to it. Likewise, the account must not have the "Deny log on locally" policy assigned to it.

Default is interactive.

MESSAGE_LEVEL - UAG configuration option

Description

The MESSAGE_LEVEL option specifies the level of messages to write.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	message_level level			②	②	②

Values

level is the level of messages to write.

Valid values for level are:

• trace

Writes trace messages used for diagnostic purposes (see Trace Files).



Note

Use trace only as directed by Stonebranch, Inc. Customer Support.

- audit
 - Writes audit, informational, warning, and error messages.
- info
- Writes informational, warning, and error messages.
- warn
- Writes warning and error messages.
- error
 - Writes error messages only.

Default is info.

Trace Files



UNIX

The trace file is created in the directory /var/opt/universal/trace.



Windows

The trace file is created in the installation directory of Universal Automation Center Agent, which defaults to:

C:\Program Files\Universal\uag



z/OS

There are two possible destinations of the trace data:

1. If ddname **UNVTRMDL** is defined in the UBROKER started task procedure, a sequential data set is created using the data set allocated to UNVTRMDL as a model.

The dynamically allocated trace data set name is #HLQ.UBR.Dyymmdd.Thhmmss, where:

- #HLQ is the data set name allocated on the UNVTRMDL ddname.
- yymmdd is the year, month, and day.
- hhmmss is the hour, minute, second the data set was allocated.

The amount of space allocated for trace data sets modeled after **UNVTRMDL** is based upon the TRACE_FILE_LINES configuration option and the record format of the model data set. If the model data set is fixed record format, the total amount of space measured in bytes is TRACE_FILE_LINES *LRECL. If the model data set is variable record format, the total amount of space measured in bytes is TRACE_FILE_LINES * 50 (50 is considered the average length of a trace file record).

The number of cylinders is calculated from the total amount of space in bytes. The total number of cylinders is calculated base on a total of 16 extents being allocated.

The formula is cylCount = (totalSize / 16) / 750000.

The allocation unit is set to cylinders and the primary and secondary space allocation is set to cylCount (that is, SPACE=(CYL,(cylCount,cylCount),RLSE)).

2. If ddname **UNVTRMDL** is not defined in the UBROKER started task procedure, member name **UBROKER** is created in the PDS or PDS/E allocated to the UNVTRACE ddname.

Depending on the error condition being diagnosed, it is possible that the member name of the **UNVTRACE** PDS or PDS/E is not created. If this occurs, the **UNVTRMDL** ddname must be used to create a sequential data set name.

The records written to PDS and PDS/E members cannot be wrapped, so the TRACE_FILE_LINES limit has no effect on the maximum number of trace records written to the member.

NETNAME - UAG configuration option

Description

The NETNAME option sets the default network ID of Universal Automation Center Agent (UAG).

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	netname <i>name</i>			②	②	②

Values

name is the default network ID of UAG. It is a case sensitive value.

The default is **OPSAUTOCONF**.



Note

If *name* is **OPSAUTOCONF**, the ID would be requested from the Opswise Controller after the first successful connection attempt.

NETWORK_PROVIDER - UAG configuration option

Description

The NETWORK_PROVIDER option specifies the network communications provider used for communications between Opswise Controller and Opswise Universal Agent.

Two network providers are provided in UAG: Opswise Message Service (OMS) is recommended. The legacy network provider is Transport and Hub, and it is functionally stabilized.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	network_provider network			②	•	Ø

Values

Valid values for network are:

• oms

Recommended; Opswise Message Service (OMS) network provider is used. If **oms** is the selected value, the OMS_SERVERS option must specify the OMS servers to be used..

• transport

Legacy (prior to Opswise Controller 5.2.0) network provider, Message Hub and Transporter, is used. If **transport** is the selected value, the AUTOMATION_CENTER_CORE and AUTOMATION_CENTER_TRANSPORTS options must specify the Message Hub and Transporter(s) to be used.

Default

The default is based upon the value of the AUTOMATION_CENTER_TRANSPORTS and OMS_SERVERS options.

- If AUTOMATION_CENTER_TRANSPORTS is specified and OMS_SERVERS is not, the NETWORK_PROVIDER is set to transport.
- If OMS_SERVERS is specified and AUTOMATION_CENTER_TRANSPORTS is not, the NETWORK_PROVIDER is set to oms.
- If both AUTOMATION_CENTER_TRANSPORTS and OMS_SERVERS are specified, NETWORK_PROVIDER does not default and must be explicitly specified.

OMS_SERVERS - UAG configuration option

Description

The OMS_SERVERS option specifies the port and network address of the Opswise Message Service (OMS) server(s) used for network communication.

If the NETWORK_PROVIDER option is set to oms, this option is required for Universal Automation Center Agent (UAG) to be activated.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	oms_servers port@host[,port@host]			②	Ø	②

Values

port is the TCP port on which the OMS server is listening. The default is 7878.

host is the host name or IP address of the OMS server.

OMS Failover Configuration

OMS servers may be deployed in a High Availability (HA) cluster, in which there are two or more OMS servers. An HA cluster has one active OMS server and one or more inactive OMS servers. When the active OMS server fails, one of the inactive OMS servers becomes the new active OMS server. UAG will automatically failover to the new active member of the HA cluster.

An OMS server HA cluster is specified as a comma-separated list of OMS servers, where each OMS server specified in the list is a member of the same HA cluster. UAG will connect to the first OMS server in the list. If that OMS server connection fails, UAG will attempt to connect to the next OMS server in the list, and so on, until it has successfully connected. The first OMS server in the list is should be considered the primary OMS server and subsequent OMS servers in the list are backup OMS servers.

Do not specify OMS servers in the comma-separated list that are not part of the same HA cluster, otherwise OMS messages may be lost in the case of failover.

SECURITY - UAG configuration option

Description

The SECURITY option activates user security.

If SECURITY is activated, the remote command execution request must supply a local user ID and password. The command is started as that user.

If SECURITY is not activated, the user ID and password is not required from the remote request and the user's process is started with the same user ID as the remote agent.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	security option			②	②	Ø

Values

option is the specification for whether or not security is activated.

UNIX	Valid values for option are:
	 default - Security is activated and uses UNIX default user authentication method. none - Security is not activated. trusted - Security is activated and uses HP Trust Security authentication. pam - Security is activated and use the Pluggable Authentication Modules (PAM) interface to provide user authentication.
Windows	 Valid values for option are: default - Security is activated and uses Windows authentication to verify user ID and password. none - Security is not activated.
z/OS	Valid values for <i>option</i> are: • default - Security is activated and uses z/OS SAF user authentication method. The user ID must have an OMVS segment. • none - Security is not activated.

Default is default.

SSL_CIPHER_LIST - UAG configuration Option

Description

The SSL_CIPHER_LIST option specifies the SSL cipher suites acceptable for use by the SSL protocol.

The SSL protocol uses the cipher suites to specify which encryption and message authentication (or message digest) algorithms to use.

To enable the use of the SSL protocol by UAG for communication with the OMS server, see the ENABLE_SSL option.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	ssl_cipher_list list	O		②	②	②

Values

list is an ordered, comma-separated list of SSL cipher suites. The cipher suites should be listed with the most preferred cipher suite first and the least preferred cipher suite last.

The following table identifies the supported SSL cipher suites.

Cipher Suite	Description
RC4-SHA	128-bit RC4 encryption and SHA-1 message digest
RC4-MD5	128-bit RC4 encryption and MD5 message digest
AES256-SHA	256-bit AES encryption and SHA-1 message digest
AES128-SHA	128-bit AES encryption and SHA-1 message digest
DES-CBC3-SHA	128-bit Triple-DES encryption and SHA-1 message digest
DES-CBC-SHA	128-bit DES encryption and SHA-1 message digest
NULL-SHA	No encryption and SHA-1 message digest
NULL-MD5	No encryption and MD5 message digest

The default list of SSL cipher suites is

RC4-SHA,RC4-MD5,AES256-SHA,AES128-SHA,DES-CBC3-SHA,DES-CBC-SHA,NULL-SHA,NULL-MD5.

SSL_SERVER_AUTH - UAG configuration option

Description

The SSL_SERVER_AUTH option enables OMS server certificate authentication if the SSL protocol is used for network communication.

By default, UAG does not authenticate the OMS server certificate.

To enable the use of the SSL protocol by UAG for communication with the OMS server, see the ENABLE_SSL option.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	ssl_server_auth option			②	②	②

Values

option specifies whether or not OMS server certificate authentication when the SSL protocol is used.

Valid values for option are:

- yes OMS server certificate is authenticated.
- no OMS server certificate is not authenticated.

Default is no.

TMP_DIRECTORY - UAG configuration option

Description

The TMP_DIRECTORY option specifies the directory that Universal Automation Center Agent (UAG) uses for temporary files.



z/OS

TMP_DIRECTORY specifies the name of a z/OS UNIX directory.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	tmp_directory directory			②	•	Ø

Values

directory is the name of the directory.

A fully qualified path name is recommended.

Defaults

UNIX	/var/opt/universal/tmp
Windows	\tmp
z/OS	/tmp

TRACE_DIRECTORY - UAG configuration option

Description

The TRACE_DIRECTORY option specifies the directory that Universal Automation Center Agent (UAG) uses for trace files (MESSAGE_LEVEL option value is set to **trace**).

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	trace_directory directory			②	•	

Values

directory is the name of the directory for trace files.

Relative path names are relative to the UAG installation directory.

Full path names are recommended.

Defaults

Windows	C:\Program Files\Universal\uag.
UNIX	/var/opt/universal/trace.

TRACE_FILE_LINES - UAG configuration option

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.

(The average size of a trace file line is 50 characters.)

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	trace_file_lines lines			②	②	Ø

Values

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

Default is 100,000. (If space is limited in the trace file directory, set lines to a smaller value.)

TRACE_TABLE - UAG configuration option

Description

The TRACE_TABLE option specifies the size of a wrap-around trace 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	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	trace_table size, condition			②	②	Ø

Values

size is the size (in bytes) of the trace 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.



Note

If size is 0, the trace table is not used.

Default is 0.

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

Possible 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.

TXTDEBUG - UAG configuration option

Description

The TXTDEBUG option specifies whether to enable or disable additional diagnostics messages.



Note

Since the use of TXTDEBUG could affect performance adversely, we recommended that it be used only by Technical Support.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	enable_ssl option			②	•	>

Values

Valid values are:

- Y
- Enable additional diagnostic messages.
- N
 Disable additional diagnostic messages.

Default is N.

Universal Automation Center Agent Component Definition Options

- Overview
- Component Definition Options Information
 - Description
 - Usage
 - Values
- · Component Definition Options List

Overview

This page provides links to detailed information about the options that comprise Universal Automation Center Agent (UAG) component definitions.

The options are listed alphabetically, without regard to any specific operating system.

Component Definition Options Information

For each component definition option, these pages provide the following information.

Description

Describes the option and how it is used.

Usage

Provides a table of the following information:

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Component Definition Keyword	<format value=""></format>					

Method

Identifies the method used for specifying a UAG component definition option:

· Component Definition Keyword

Syntax

Identifies the syntax of the method used to specify the option:

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

(Operating System)

Identifies the operating systems for which the method of specifying the option is valid:

- IBM i
- HP NonStop
- UNIX
- Windows
- z/OS

Values

Identifies all possible values for the specified value type.

Defaults are identified in **bold type**.

Component Definition Options List

The following table identifies all of the options that can comprise a UAG component definition. Each **Option Name** is a link to detailed information about that option.

Option Name	Description
AUTOMATICALLY_START	Specification for whether or not the UAG Server starts automatically when Universal Broker is started.
COMPONENT_NAME	Name by which the clients know the UAG Server.
CONFIGURATION_FILE *	Name of the UAG Server configuration file.
RESTART	Specification for whether or not the UAG Server should be restarted if it ends.
RESTART_CONDITIONS	Exit conditions criteria for which the UAG server is considered eligible for restart.
RESTART_DELAY	Number of seconds to wait before restarting the UAG Server.
RESTART_MAX_FREQUENCY	Maximum frequency the UAG Server can be restarted.
RUNNING_MAXIMUM	Maximum number of UAG Servers that can run simultaneously.
START_COMMAND *	Program name of the UAG Server.
WORKING_DIRECTORY *	Directory used as the working directory of the UAG Server.
* These options are required in all component defi	initions

^{*} These options are required in all component definitions.

AUTOMATICALLY_START - UAG Component Definition option

Description

The AUTOMATICALLY_START option specifies whether or not the Universal Automation Center Agent (UAG) Server starts automatically when the Universal Broker is started.



Note

AUTOMATICALLY_START is optional in a component definition.

Usage

Method	Parameter / Value	IBM i	HP NonStop	UNIX	Windows	z/OS
Component Definition Keyword	auto_start option			②	Ø	>

Values

option is the specification for how the UAG Server is started.

The only valid value for option is:

• yes

UAG Server is started automatically when Universal Broker is started.

COMPONENT_NAME - UAG Component Definition option

Description

The COMPONENT_NAME option specifies the name of the Universal Automation Center Agent (UAG) Server.

Component start requests refer to UAG Server by this name.



Note

COMPONENT_NAME is optional in a component definition. If it is not specified, the file name is used as the component name.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Component Definition Keyword	component_name name			②	Ø	②

Values

name is the name of the UAG server.

There is only one valid value for name:

• uag

(This is the name of the UAG Server component definition file / member.)

This name should not be changed.

CONFIGURATION_FILE - UAG Component Definition option

Description

The CONFIGURATION_FILE option specifies the name of the Universal Automation Center Agent (UAG) configuration file.



Note

CONFIGURATION_FILE is required in a component definition.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Component Definition Keyword	configuration_file <i>member</i> or configuration_file <i>file</i>			②	•	Ø

Values

member / file is the name of the configuration member / file.



JNIX

Full path name of the configuration file. The file name can be any valid file name. The installation default is *letc/universal/uags.conf*.



Vindows

Full path name of the configuration file. The file name can be any valid file name. The installation default is **c:\Documents and Settings\All Users\Application Data\Universal\conf\uags.conf**.



z/OS

Member name of the component configuration file in the **UNVCONF** library allocated to the Universal Broker ddname **UNVCONF**. The installation default is **UAGCFG00**.

RESTART - UAG Component Definition option

Description

The RESTART option specifies whether or not the Universal Automation Center Agent (UAG) Server should be restarted if it ends.



Note

RESTART is optional in a component definition.

The UAG Server is restarted when the following conditions are met:

- 1. Universal Broker is not in shutdown mode.
- 2. UAG Server has not been stopped by Universal Broker, Universal Control, or Universal Enterprise Controller. This is considered a controlled shutdown.
- 3. RESTART option value is yes.
- 4. UAG Server's exit conditions must meet one of the values specified by the RESTART_CONDITIONS option.
- 5. UAG Server must not have been restarted more than specified by the RESTART_MAX_FREQUENCY option.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	restart options			②	②	②

Values

options is the specification for whether or not the UAG Server should be restarted.

Valid values for options are:

- yes
 - UAG Server should be restarted if it meets the restart criteria.
- no

UAG Server should not be restarted.

Default is no.

RESTART_CONDITIONS - UAG Component Definition option

Description

The RESTART_CONDITIONS option specifies the exit conditions of the UAG Server for which it should be considered eligible for restart.



Note

RESTART_CONDITIONS is optional in a component definition.

If the exit conditions of the UAG Server do not meet the criteria, it will not be restarted.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	restart_conditions conditions			②	②	②

Values

conditions is a comma-separated list of exit conditions.

The exit conditions names are based on the Opswise Universal Agent return codes. Category names are used instead of numeric values, as the exit code numeric value may not be consistent across all platforms.

The exit conditions are:

Default is ABNORMAL.

RESTART_DELAY - UAG Component Definition option

Description

The RESTART_DELAY option specifies the number of seconds to wait from the time the Universal Broker detects that the UAG Server has ended until Universal Broker restarts it.



Note

RESTART_DELAY is optional in a component definition.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	restart_delay seconds			②	②	②

Values

seconds is the number of seconds to wait.

Default is 5.

RESTART_MAX_FREQUENCY - UAG Component Definition option

Description

The RESTART_MAX_FREQUENCY option specifies the maximum frequency in which the UAG Server can be restarted in a specific time interval.



lote

RESTART_MAX_FREQUENCY is optional in a component definition.

If the UAG Server becomes eligible for restart but exceeds the maximum restart frequency, it will not be restarted.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Configuration File Keyword	restart_max_frequency number/interval			②	Ø	②

Values

number is the maximum number of restarts.

interval is the time interval in which the specified maximum number of restarts (number) is allowed.

Valid values for interval are week, day, hour, and minute.

Default is 2 / day.

RUNNING_MAXIMUM - UAG Component Definition option

Description

The RUNNING_MAXIMUM option specifies the maximum number of Universal Automation Center Agent (UAG) Servers that can run simultaneously.

If this maximum number is reached, any command received to start a UAG Server is rejected.



Note

RUNNING_MAXIMUM is optional in a component definition.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Component Definition Keyword	running_max <i>maximum</i>			②	②	>

Values

maximum is the maximum number of UAG Servers that can run simultaneously.

Default is 1.

START_COMMAND - UAG Component Definition option

Description

The START_COMMAND option specifies the full path name (member name for z/OS) of the UAG Server program.

Optionally, START_COMMAND also can specify command line options.



Note

START_COMMAND is required in a component definition.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Component Definition Keyword	start_command member or start_command name[options]			②	•	Ø

Values

member / name is the full path name of the UAG Server program.

options is the optional list of command line options.

UNIX	name is the full path name of the UAG Server program.
Windows	name is the full path name of the UAG Server program. This name is defined at installation; it is not modifiable from the Universal Configuration Manager.
z/OS	member is the program object of the UAG Server. The program object must be in the Universal Broker's search order for loading program objects. The default location is the SUNVLOAD library allocated to the Universal Broker's STEPLIB ddname. Alternatively, starting with Universal Broker 5.1.0.4, member can be the fully specified path of a USS external link to the UAG Server program. The external link must be owned by UID 0.
	options is not a valid value.

WORKING_DIRECTORY - UAG Component Definition option

Description

The WORKING_DIRECTORY option specifies the full path name used as the working directory of the Universal Automation Center Agent (UAG) Server.



Note

WORKING_DIRECTORY is required in a component definition.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
Component Definition Keyword	working_directory directory			②	②	Ø

Values

directory is the full path name of the working directory.

Default is (.).



Caution

Do not change this directory.



UNIX and Windows

directory is the full path name of the directory that the UAG Server uses as its working directory.



z/OS

directory is the HFS directory name that the UAG Server uses as its working directory.

Universal Automation Center Agent UACL Entries

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- UACL Entries Information
 - Description
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- UACL Entries List

Introduction

This page provides links to detailed information on the Universal Access Control List (UACL) entries available for use with Universal Automation Center Agent (UAG).

The UACL entries are listed alphabetically, without regard to any specific operating system.

UACL Entries Information

For each UACL entry, these pages provide the following information.

Description

Describes the UACL entry and how it is used.

Usage

Provides a table of the following information:

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
UACL File Keyword	<type rule=""></type>					

Method

Identifies the method used for specifying a UACL entry:

UACL File Keyword

Syntax

Identifies the syntax of the method used for a UACL entry:

- Type: Universal Agent component to which the rule applies.
- Rule: Client's identity, request to which the entry pertains, and security attributes that the entry enforces.

(Operating System)

Identifies the operating systems for which the method of specifying the UACL entry is valid:

- IBM i
- HP NonStop
- UNIX
- Windows
- z/OS

Values

Identifies all possible values for the fields in a UACL entry rule.

Defaults are identified in **bold type**.

UACL Entries List

The following table identifies all UAG UACL Entries. Each **UACL Entry Name** is a link to detailed information about that option.

UACL Entry Name	Description
UAG_WORK_REQUEST	Allows or denies access to a task execution request and if allowed, specifies whether or nor user authentication is performed.

UAG_WORK_REQUEST - UAG UACL Entry

Description

A UAG_WORK_REQUEST UACL entry either allows or denies access to a task execution request and if allowed, specifies whether or not user authentication is performed.

The search for a UAG_WORK_REQUEST entry is based on the local user identifier with which the task is requested to execute. The first UACL entry found that matches the request will be used. If no match is found, the request is allowed to execute and the user account, if provided, is authenticated.

Usage

Method	Syntax	IBM i	HP NonStop	UNIX	Windows	z/OS
UACL File Keyword	uag_work_request local_user,access, auth			②	②	•

Values

The local_user is the local user identifier specified in the Opswise Universal Agent task credentials. Generic masking is supported for the value.

See UACL Entries for more information on generic masking support.

Valid values for access are:

- deny Opswise Universal Agent request to execute the task is denied.
- allow Opswise Universal Agent request to execute the task is allowed.

Valid values for auth are:

- auth User authentication is performed.
- noauth User authentication is not performed. The task will execute with the requested user identifier without authenticating the user account.



Windows

The noauth value is not valid.