

HP Operations Manager

Server Configuration Variables

Edition 2

for the UNIX and Linux operating systems



Manufacturing Part Number: None

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U.S.

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**1. List of Server Configuration Variables for HPOM on UNIX 8.xx/9.xx and
HPOM on Linux 9.xx**

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1 List of Server Configuration Variables for HPOM on UNIX 8.xx/9.xx and HPOM on Linux 9.xx

List of HPOM Server Configuration Variables

DATABASE

Description : Database name to which OVO connects. To allow SQL*Net connection.
Connect string if is empty: opc_op/
else: opc_op/@

Type/Unit : string

Default : ov_net

Documented : Y

Since Rel. : A.01.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

DB_CHECK_INTERVAL

Description : Check interval for count of DB messages. The check is done by
opcctlm, and opcctlm will send a message if the number of
messages is close to or over the number of messages as
configured in the Database Maintenance Window.

Type/Unit : int , second

Default : 7200

Documented :

Since Rel. :

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

DOS_ENABLED

Description : Enables the DoS (Denial of Service) basic protection for opcuwww process.

Type/Unit : boolean

Default : FALSE

Documented : N

Since Rel. : A.08.12

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : opcuwww, DOS, security

ECENG_CLOCK_INTERVAL

Description : Global setting for ECS engine clocking time.

Type/Unit : ini , milli-second

Default : 1000

Documented : Y?

Since Rel. : A.03.00

ObsoleteSince. :

Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)

Search-Keys : ECS

ECENG_LOG_LEVEL

Description : ECS tracing level setting.

Type/Unit : string , NONE, SEVERE, ERROR, WARN, FULL

Default : FULL

Documented : Y?

Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcinfol, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
 Search-Keys : ECS

ECENG_TRACEFILE

Description : Name of ECS trace file.
 Type/Unit : string
 Default : ecengtr
 Documented : Y?
 Since Rel. : A.03.00
 ObsoleteSince. :
 Used In : opcinfol, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
 Search-Keys : ECS

ECENG_TRACE_LEVEL

Description : ECS tracing level setting.
 Type/Unit : string , NONE,FULL
 Default : NONE
 Documented : Y?
 Since Rel. : A.03.00
 ObsoleteSince. :
 Used In : opcinfol, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
 Search-Keys : ECS

ECENG_TRACE_RSIZE

Description : 'Relative' file size for ECS trace file configuration.
 Type/Unit : int
 Default : 100
 Documented : Y?

Since Rel. : A.03.00
ObsoleteSince. :
Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys : ECS
ECEVI_LOG_RSIZE

Description : 'Relative' file size of ECS event-input log configuration.
Type/Unit : int
Default : 100
Documented : Y?
Since Rel. : A.03.00
ObsoleteSince. :
Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys : ECS

ECEVO_LOG_RSIZE

Description : 'Relative' file size of ECS event-output log configuration.
Type/Unit : string
Default : 100
Documented : Y?
Since Rel. : A.03.00
ObsoleteSince. :
Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys : ECS

ECM_ANNO_NODE

Description : Setup add.1 ECS annotate nodes on OVO management server.
See ECS 3.1 manual "Configuring Circuits for NNM and OVO".
Type/Unit : string
Default : ""
Documented : See ECS 3.1 manual "Configuring Circuits for NNM and OVO".

Since Rel. : A.07.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys : ECS

ECM_INSTANCE

Description : Instance-number of OVO's ECS engine on management server (opcecm).
 OVO is assigned the ids 11 - 20.

Type/Unit : int
 Default : 11
 Documented :
 Since Rel. : A.07.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys : ECS

ECM_PERLFILE

Description : Name of perl script, which should be loaded into ECS engine for
 management server and should reside in the MGMT_SV_EC_TEMPL_DIR
 directory (\$OV_VAR_DIR/conf/OpC/mgmt_sv/).

Type/Unit : string
 Default : empty
 Documented : N
 Since Rel. : A.07.25.1; A.08.25
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys : ECS

EC_MAX_AS_WAIT

Description : ECS engine waits EC_MAX_AS_WAIT seconds to connect to annotate

server at startup and at reconfiguration time to avoid race condition.

Type/Unit : int (seconds)
Default : 10
Documented :
Since Rel. : A.07.00
ObsoleteSince. :
Used In : opcmf, opcmvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
Search-Keys : ECS

EC_MAX_ESOK_TRY

Description : Maximum number of retries attempts by ECS engine to connect to EC annotate server socket stack.
Type/Unit : int
Default : 20
Documented :
Since Rel. : A.07.00
ObsoleteSince. :
Used In : opcmf, opcmvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
Search-Keys : ECS

EC_SHOW_TIMESTAMP

Description : If it is set to TRUE, timestamp information will be included in ecenglg and ecengtr files.
Type/Unit : bool
Default : FALSE
Documented : N
Since Rel. : A.07.26; A.08.15
ObsoleteSince. :
Used In : opcmvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

HBP_DFL_TMOUT

Description : Default timeout for ping-packets which are used to check whether a node is running. Once a response is received, timeout is calculated as 3 * response time.

Type/Unit : int , second , >= 1

Default : 20

Documented :

Since Rel. : A.02.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

HBP_MAX_RETRY

Description : Number of ping-packets to be sent to a managed node, before this node is assumed to be down.

Type/Unit : int , >= 1

Default : 3

Documented :

Since Rel. : A.02.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

HBP_NOT_IN_TIME

Description : Generate a warning, if heartbeat-polling could not be

performed in time (for example, due to excessive system load).
The warning is only written to the trace file.

Type/Unit : int , second
Default : 1800
Documented :
Since Rel. : A.02.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

JGUI_MULTISTATUS_ENABLED

Description : Enable operational service view support for the Java GUI client.
Type/Unit : boolean
Default : FALSE
Documented : Y
Since Rel. : A.08.10
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcsvcm, service navigator, Java GUI,

LISTENER_NAME

Description : Name of the Oracle listener in a cluster environment, in case different SQL*Net listeners are used for different Oracle instances.

After setup of a listener, next has to be executed on all cluster nodes:

```
ovconfchg -ns opc -set LISTENER_NAME
```

ovoracle script has to be copied from its non-operational

destination to /sbin/init.d. The same limitations exist as in a standalone environment, when using a non-standard listener name: online and offline backup do not support such a listener.

Type/Unit : string
 Default : LISTENER
 Documented : N
 Since Rel. : A.08.24
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

MAX_ALIVE_TIMEOUT

Description : The setting is used together with OPC_HTTPS_MSG_FORWARD=TRUE. Determines after which time a message is generated, if a target server is unreachable.

Type/Unit : int (in seconds)
 Default : 60
 Documented :
 Since Rel. : A.08.29
 ObsoleteSince. :
 Used In : namespace: opc.opcforwm (>=OV08)
 Search-Keys :

MAX_CONNECTIONS

Description : The maximum number of simultaneous connections to opcuihttps. Clients are usually Java GUI consoles, but can also be web browsers.

Type/Unit : integer
 Default : 100
 Documented : Y

Since Rel. : A.08.14
ObsoleteSince. :
Used In : namespace: opc.opcuihttps (>=OV08)
Search-Keys : HTTPS, Java GUI, opcuihttps
MGR_RQS_BUFFER_PERIOD

Description : Maximum age of Open Agent requests or action requests before they are regarded as 'timed out', once the Request Sender comes up after a downtime.
If requests are not 'timed out', ovoareqsdr tries to forward them to their target nodes.

Type/Unit : int , second, > 3600
Default : 259200 (3 days)
Documented :
Since Rel. : A.04.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

MOTIF_WWW_BROWSER

Description : Applications of type "Start URL on Local Browser" passes the configured URL to the given executable, which should be the preferred web browser. For example, it could also be a shell script to start the browser or pass the URL to an already running browser.

Type/Unit : string/path to executable
Default : /opt/OV/bin/ovweb
Documented : ?
Since Rel. :
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

NUM_SRV_THREADS

Description : Number of possible threads created by a DCE RPC server.

Type/Unit : int , 0 < n < 100

Default : 40

Documented :

Since Rel. : A.04.00

ObsoleteSince. :

Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)

Search-Keys :

OPCMSGM_USE_GUI_THREAD

Description : Configure how opcmsgm sends messages to opcdispn.

TRUE: opcmsgm uses a separate thread to send messages over rpc to the opcdispn.

FALSE: opcmsgm sends messages to opcdispn over rpc in the main thread (standard behavior since OVO 1.0).

NO_RPC: opcmsgm writes messages to a queue and opcdispn reads the messages from this queue.

Type/Unit : string

Default : FALSE

Documented :

Since Rel. : A.08.22

ObsoleteSince. : 9.00

Used In : namespace: opc (>=OVO8)

Search-Keys : opcmsgm GUI thread

OPCRAGT_MAX_THREADS

Description : requires that OPCRAGT_USE_THREADS is set to TRUE.
Defines how many agents can be contacted in parallel by
opcragt (one thread per target node).
OS-specific limits can be configured via kernel parms for
max # of threads per process, e. g. 1024 on HPUX PA-RISC.

Type/Unit : int, # of threads

Default : 50

Documented :

Since Rel. : A.08.27

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : performance

OPCRAGT_USE_THREADS

Description : tell opcragt to use multiple threads (one thread per target
node). Huge performance improvement, nearly linear to # of
threads (default 50 threads).
Multi-threading is applied on command-line options -status,
-primmgr, -start, -stop, -get_config_var, -set_config_var,
-agent_version, -running_as_user. Not applied on -dist and on
Windows-agent installation related options.

OPCRAGT_USE_THREADS also enables the feature that unreachable
agents are logged in /var/opt/OV/share/tmp/OpC/mgmt_sv/ \
opcragt--failed.log, where is one of the
options like -status etc as listed above.

Note: each agent connection requires an own source port on the mgmt server. Means that source port ranges - if used at all - must be enhanced appropriately (bbc.http:CLIENT_PORT for HTTPS; in addition the corresponding firewall rules must be adapted). However, source-port ranges are used very rarely on the OMU server.

Note: the connect-timeout to check whether a system is reachable or not depends on a global system setting and can be checked by `# ndd -get /dev/tcp tcp_ip_abort_cinterval` and changed by `# ndd -set /dev/tcp tcp_ip_abort_cinterval`. There's no way to timeout `opcragt` earlier, if a certain node isn't reachable. However to contact about 1000 unreachable nodes with `OPCRAGT_MAX_THREADS 100` just took around 10 min with a `tcp_ip_abort_cinterval` of 60 seconds.

Note: the `OPCRAGT_USE_THREADS` flag also enables the feature that you can view complete HTTPS agent namespaces with the `-get_config_var` option. A ":" must be suffixed to the name: `# opcragt -get_config_var eaagt: -all` would list all settings from namespace `eaagt` on all nodes.

Type/Unit	: bool
Default	: TRUE; FALSE (OV08)
Documented	:
Since Rel.	: A.08.27
ObsoleteSince.	:
Used In	: namespace: opc (>=OV08)
Search-Keys	: performance

OPCSVCAM_REGISTER_RETRIES

Description : Under some circumstances `opcsvcam` fails to register to service events right after connecting to `opcsvcm`. This variable specifies how often `opcsvcam` retries to

register to service events after succesful connecting to
opcsvcm.

Type/Unit : int
Default : 5
Documented :
Since Rel. : A.08.29
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcsvcm, service navigator, opcsvcam, service action manager

OPCSVCM_REGISTER_RETRY_INTERVAL

Description : Under some circumstances opcsvcam is not triggering auto
action because it does not not register events from seadapter
in case of a large service hierarchy.

This variable specifies the timeout interval in seconds
in which opcsvcam register events from seadapter.

Type/Unit : int
Default : 5
Documented :
Since Rel. : A.08.34
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcsvcm, service navigator, opcsvcam, service action manager

OPCSVCM_ASYNC_MODE

Description : Disables the implicit write through for all configuration
changes for the service repository.

Type/Unit : boolean
Default : FALSE
Documented :

Since Rel. : A.07.12
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : commit
 OPCSVCM_MSGSVCNAME_DEFAULT

Description : opcmmsgm generates an automatic service name for all messages
 which do not have a service name set if value is set to TRUE.
 The service name takes the following form:
 ":@@"

Type/Unit : bool
 Default : FALSE
 Documented : yes (SNVP documentation)
 Since Rel. : A.07.10
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : SNVP

OPCSVCM_MSGSVCNAME_FIXED

Description : If set, then opcmmsgm generates it as service name for all
 messages which have no service name.
 This setting works only, if OPCSVCM_MSGSVCNAME_DEFAULT is TRUE.

Type/Unit : string
 Default : ""
 Documented : yes (SNVP documentation)
 Since Rel. : A.07.10
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : SNVP

OPCSVC_CONSIDER_PROFILES

Description : Allows users to assign services to profiles in opcsvcm.
opcuiwww merges the user's services with it's profiles' services so that they appear in the Java GUI.

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.07.22

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys : profile; opcsvcm; opcuiwww;

OPCTRAMM_TIMEOUT

Description : Timeout interval for opctramm to process a job file.
A timeout can also be set via opctramm command line option: -t or -timeout. The command line option has a higher priority than opcsvinfo.

Type/Unit : integer (seconds)

Default : infinite

Documented :

Since Rel. : A.07.12

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPCUIWWW_BULK_MODE

Description : Messages in the Java GUI are acknowledged, unacknowledged, owned, or disowned in one single bulk operation.

Type/Unit : bool

Default : TRUE; FALSE (OV08)

Documented :

Since Rel. : A.08.22
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : JavaGUI bulk
 OPCUIWWW_FILTER_RELATIVE_TIME_INTERVAL

Description : Applies to relative time filtering.
 It specifies the time interval after which all messages
 in all message browsers with relative time filter
 will be reevaluated.
 Since this feature represents a performance impact,
 it will be set to 60 sec by default.

Type/Unit : integer
 Default : 60
 Documented : Y
 Since Rel. : A.08.34
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : opcuiwww, filtering

OPCUIWWW_FILTER_RELATIVE_TIME_RECALC

Description : Applies to relative time filtering.
 If enabled, opcuiwww will use new relative time filtering.
 Messages will be reevaluated according to the time interval
 specified by variable
 OPCUIWWW_FILTER_RELATIVE_TIME_INTERVAL.
 Since this feature represents a performance impact, it will
 be disabled by default.

Type/Unit : bool
 Default : FALSE
 Documented : Y
 Since Rel. : A.08.34
 ObsoleteSince. :

Used In : namespace: opc (>=OV08)
Search-Keys : opcuiwww, filtering

OPCUIWWW_INPUT_BUFFER_LIMIT

Description : Applies to DoS protection of opcuiwww. Defines the limit of the input buffer on the socket. The size of the request is read from the request header. If the size exceeds the buffer limit, an error is reported to System.txt, and the connection (and the opcuiwww process) is closed. Effective together with DOS_ENABLED variable.

Type/Unit : integer
Default : 4096
Documented : N
Since Rel. : A.08.12
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcuiwww, DOS, security

OPCUIWWW_MAX_CONNECTION

Description : Applies to DoS protection of opcuiwww. Defines the maximum number of simultaneous connections to opcuiwww - effectively this is the maximum number of opcuiwww processes that can be started. Effective together with DOS_ENABLED variable.

Type/Unit : integer
Default : 100
Documented : N
Since Rel. : A.08.12
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcuiwww, DOS, security

OPCUIWWW_MSG_CHUNK_MODE

Description : Messages from opcuiwww to the Java GUI are sent in chunks of N messages instead of being sent in a single reply.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.08.35.010

ObsoleteSince. :

Used In : namespace: opc (>=OVO8)

Search-Keys : JavaGUI chunk

OPCUIWWW_MSG_CHUNK_SIZE

Description : Number of messages sent in a single chunk.

Type/Unit : integer

Default : 1000

Documented :

Since Rel. : A.08.35.010

ObsoleteSince. :

Used In : namespace: opc (>=OVO8)

Search-Keys : JavaGUI chunk

OPCUIWWW_NEW_MSG_NO_DB

Description : opcuiwww receives the complete message from opcdispn rather than just the message ID.

OVO8 variable OPCMSGM_USE_GUI_THREAD must equal NO_RPC for

the complete message to be sent to opcuiwww.
Type/Unit : bool
Default : TRUE; FALSE (OVO8)
Documented :
Since Rel. : A.08.22
ObsoleteSince. :
Used In : namespace: opc (>=OVO8)
Search-Keys : JavaGUI msg DB

OPCUIWWW_NORESP_SVCMSG

Description : Java GUI operators can see and operate on messages due to their assigned services even if the messages do not match the responsibility matrix.
Since A.06.01 you can set OPCUIWWW_NORESP_SVCMSG to READONLY so that all operators can see these messages but not modify them.
Possible values:
- TRUE (since A.07.10):
The operator does not see any service messages that are not assigned through the responsibility matrix.
- FALSE (since A.06.00):
The operator sees all messages assigned through the responsibility matrix as well as all service messages assigned through opcservice.
- READONLY (since A.06.01):
The operator sees all messages assigned through the responsibility matrix as well as all service messages assigned through opcservice. However, service messages that are not assigned through the responsibility matrix are seen as read-only messages.

See the OVO 7.10 Release Notes for more details about the differences between OVO 6 and OVO 7.10.

Type/Unit : string
 Default : FALSE (A.06.00), TRUE (A.07.10)
 Documented : OVO 7.10 Release Notes
 Since Rel. : A.06.01
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys : JavaGUI responsibility

OPCUIWWW_ONE_CONNECTION

Description : Applies to DoS protection of opcuiwww. Defines the maximum number of connections to opcuiwww from a single host. Effective together with DOS_ENABLED variable.

Type/Unit : integer
 Default : 30
 Documented : N
 Since Rel. : A.08.12
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : opcuiwww, DOS, security

OPCUIWWW_PORT

Description : The opcuiwww port number as defined in /etc/services, ito-e-gui entry. Used by opcuihttps (Java GUI HTTPS communication proxy process) to start opcuiwww processes.

Type/Unit : integer
 Default : 2531
 Documented : Y
 Since Rel. : A.08.14
 ObsoleteSince. :
 Used In : namespace: opc.opcuihttps (>=OVO8)

Search-Keys : HTTPS, Java GUI, opcuihttps

OPCUIWWW_TIMEOUT

Description : Applies to DoS protection of opcuiwww. Sets the timeout for inactivity on the socket. A valid request must come to socket within the specified time (measured from the initial connection), otherwise opcuiwww logs an error and exits. Effective together with DOS_ENABLED variable.

Type/Unit : integer (seconds)

Default : 5

Documented : N

Since Rel. : A.08.12

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : opcuiwww, DOS, security

OPC_ACCEPT_ACTION_SIGNATURES_FROM

Description : A comma-separated list of foreign srv core-ids, used in MoM environment to inform the current mgmt server that additional action signatures in the list can be accepted.

Example to add a foreign server core ID:

```
ovconfchg -ovrg server -ns opc \
-set OPC_ACCEPT_ACTION_SIGNATURES_FROM \
cd04201e-295a-7507-1fbd-890eb6333944
```

Type/Unit : string

Default : ""

Documented :

Since Rel. : A.08.30
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : MoM
 OPC_ACCEPT_CTRL_SWTCH_ACKN

Description : M2M message forwarding flag: Accept acknowledgement of a
 controlled message through a remote OVO server.
 Type/Unit : bool
 Default : TRUE
 Documented : Y
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_ACCEPT_CTRL_SWTCH_MSGS

Description : M2M message forwarding flag: Accept reception of a
 controlled message from a remote OVO server.
 Type/Unit : bool
 Default : TRUE
 Documented : Y
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_ACCEPT_MSG_COUNT

Description : Can be used to switch off reception of message count information
 (suppress duplicate messages on management server) sent via

manager to manager message forwarding on target manager.

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.06.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_ACCEPT_MSG_MODIFY

Description : Can switch off reception of message modify information
(operator changes message text and/or severity)
sent via manager to manager message forwarding on target manager.

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.07.24

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_ACCEPT_NOTIF_ACKN

Description : M2M message forwarding flag: Accept reception of an
acknowledge request for a read-only message from a
remote OVO server.

Type/Unit : bool

Default : TRUE

Documented : N

Since Rel. : A.07.24

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_ACCEPT_NOTIF_MSGS

Description : M2M message forwarding flag: Accept reception of a
 read-only message from a remote OVO server.
 Type/Unit : bool
 Default : TRUE
 Documented : Y
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_ACCEPT_OWN_DISOWN

Description : Can switch off reception of message-own/disown information
 (operator owns/disowns message) sent via manager to manager
 message forwarding on target manager.
 Type/Unit : bool
 Default : TRUE
 Documented :
 Since Rel. : A.06.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_ACK_COMMIT_COUNT

Description : Commit count for acknowledge/unacknowledge. After every

OPC_ACK_COMMIT_COUNT messages, a commit is done to release locks.

Type/Unit : int
Default : 100
Documented :
Since Rel. : A.05.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_ACK_MOVE_INTERVAL

Description : Interval in seconds after which the opcdbmsgmv process is started by opcctlm to move marked messages to the history tables. If set to 0, the message move is disabled.

Type/Unit : int
Default : 7200
Documented :
Since Rel. : A.05.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_ACTM_RQST_GATEWAY_AS_SRC

Description : For action requests that are sent to agents, the gateway address is used as the source - and not the management server's 'main' IP address. This allows different addresses to be used for nodes in different subnets when the management server is the gateway itself.

Type/Unit : bool
Default : FALSE
Documented :

Since Rel. : A.06.03
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :
 OPC_AUTOSET_SERVICE_EARLY

Description : This setting only has an effect if service name auto setting is enabled (OPCSVCM_MSGSVCNAME_DEFAULT is set to TRUE).
 When it is desirable to have service name auto setting before writing to the MSI, set OPC_AUTOSET_SERVICE_EARLY to TRUE.
 Otherwise, the default behavior is that service name auto setting occurs after sending the messages to the MSI.

Type/Unit : bool
 Default : FALSE
 Documented : Y
 Since Rel. : A.07.26
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_AUTO_DEBUFFER

Description : Scheduled-outage related. Automatically move messages from pending- to active-messages-browser (and DB-table) after outage time is over.
 If set to FALSE, all pending messages need to be manually unbuffered (in the pending messages browser).

Type/Unit : bool
 Default : TRUE
 Documented :
 Since Rel. : A.05.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_BBCDIST_RETRY_INTERVAL

Description : Time interval for opcbbcdist to provide retry when node is not reachable.

Type/Unit : int, second

Default : 1800

Documented :

Since Rel. : A.08.00

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : bbcdist

OPC_CFG_CHAR_SET_ASCII

Description : If set, it has the same effect as the `-ascii` option of `opccfgupld`. Useful when configuration data has to be uploaded, from an English development system to a non-ISO8859-15 management server. Has an impact on nodes and templates. You do not need to change existing scripts which use `opccfgupld` by adding the `-ascii` option but can also set this variable.

Type/Unit :

Default : FALSE

Documented :

Since Rel. : A.07.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_CHECK_READFILE

Description : If set to FALSE, the READFILE (file to be read) is not checked when the EXEFILE (file to be executed) is specified in the logfile template.

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.08.29

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : check READFILE if EXEFILE is specified

OPC_CHK_DCE_ADDR_MISMATCH

Description : Switch on a security-check, which is able to detect messages that come from nodes which use a faked IP address. This check is based on the DCE header information.

Type/Unit : bool

Default : FALSE

Documented : Y

Since Rel. : A.07.12

ObsoleteSince. : 9.00

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_CHK_SENDER_ADDR_MISMATCH

Description : Switch on a security-check, which is able to detect messages that come from nodes which use a faked IP address.
Note: this check is only useful in conjunction with non-HTTPS based agents that are using ANSE/VPAS.

Type/Unit : bool

Default : FALSE

Documented : Y

Since Rel. : A.05.30

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_CLOSE_DISTRIBUTION_TIMEOUT

Description : Timeout for configuration distribution.

Type/Unit : int , second

Default : 600

Documented :

Since Rel. :

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_COMM_LOOKUP_RPC_SRV

Description : Flag telling DCE RPC clients whether to lookup the desired RPC server in the case that no static port for this server has been found in a port configuration file.
Documented in the 'DCE Communication Without Endpoint Mapper' white paper.

Type/Unit : bool

Default : TRUE

Documented : DCE Communication Without Endpoint Mapper white paper

Since Rel. : A.07.10
 ObsoleteSince. : 9.00
 Used In : opcsvinfo, opcinfo (<=OV07); namespace: opc, eaagt (>=OV08)
 Search-Keys :
 OPC_COMM_PORT_RANGE

Description : DCE port range specification to be used on managed nodes
 or management server.

Type/Unit : string, [-] e.g. 12345 or 10000-10010

Default : (not set; no restrictions)

Documented : Y

Since Rel. : A.04.00

ObsoleteSince. : 9.00

Used In : opcsvinfo, opcinfo (<=OV07); namespace: opc, eaagt (>=OV08)

Search-Keys :

OPC_COMM_REGISTER_RPC_SRV

Description : Flag telling DCE RPC servers whether to register with the local
 rpcd.

Documented in the 'DCE Communication Without Endpoint Mapper'
 white paper.

Type/Unit : bool

Default : TRUE

Documented : DCE Communication Without Endpoint Mapper white paper

Since Rel. : A.07.10

ObsoleteSince. : 9.00

Used In : opcsvinfo, opcinfo (<=OV07); namespace: opc, eaagt (>=OV08)

Search-Keys :

OPC_COMM_RPC_PORT_FILE

Description : Full path to port configuration file needed by DCE RPC clients to determine where the required RPC servers are listening.
Documented in the 'DCE Communication Without Endpoint Mapper' white paper.

Type/Unit : string

Default : (not set)

Documented : DCE Communication Without Endpoint Mapper white paper

Since Rel. : A.07.10

ObsoleteSince. : 9.00

Used In : opcsvinfo, opcinfo (<=OV07); namespace: opc, eaagt (>=OV08)

Search-Keys :

OPC_COMM_USEIP_URI

Description : An IP address will be used instead of a hostname in URIs (server -> HTTPS agent comm.) when set to:

- ALWAYS : use IP address in URI unconditionally
- PROXY_ONLY : use IP address in URI only if a proxy is configured for this address. Variable PROXY in bbc.http namespace is checked

(similar to 'bbcutil -gettarget ')

The need for an IP string instead of a hostname inside the URIs is given only in proxy environments.

By default OMU always uses a hostname in requests except when granting a certificate but this can be changed by setting OPC_CSA_USE_HOSTNAME_IN_REQUESTS variable.

Type/Unit : string

Default : FALSE

Documented : no

Since Rel. : A.08.34

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : proxy, firewall

OPC_COMPRESSION_DISABLE

Description : Enable/disable OVO-data compression for network transfer.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.04.00

ObsoleteSince. :

Used In : opcsinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)

Search-Keys :

OPC_COUNT_FORW_MSGS

Description : Perform count and suppress duplicate task, also for messages that were forwarded from another server. This variable should only be set to TRUE, if messages are acknowledged on the source manager and therefore have to be counted/suppressed on the target manager.

If set to TRUE, although messages are not acknowledged on the source server, you might get wrong message counts.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.06.12

ObsoleteSince. :

Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)

Search-Keys :

OPC_CREATE_AUTO_KEYS

Description : When this variable is set to TRUE and if "Suppress and Count Duplicate Messages" server option is enabled, Message Manager will automatically add message key to messages without it. Message key is of the form "AUTOKEY:HASH", where HASH is calculated as SHA-1 hash of the following message attributes: node name, message group, application, object, service name, severity and message text. This improves performance in situations where there are many messages without message keys and duplicate suppression is enabled. Note that this doesn't affect messages where message key is defined but empty.

Type/Unit : bool

Default : TRUE

Documented : Y

Since Rel. : A.08.31

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys : suppress and count duplicates, performance

OPC_CSA_ACTION_TIMEOUT

Description : Maximum execution time period of a PRE and POST action.

Check related variables for more information:

OPC_CSA_NAT_RULES,

OPC_CSA_RULES,

OPC_CSA_AUTOMATION

Type/Unit : int

Default : 60

Documented :

Since Rel. : A.08.29

ObsoleteSince. :

Used In : namespace: opc.opccsad (>=OV08)
 Search-Keys : CSA

OPC_CSA_ALLOW_IP_MISMATCH

Description : By default, certificate requests are not automatically mapped, if the IP address in the certificate request does not match the IP address in the node bank.
 If OPC_CSA_ALLOW_IP_MISMATCH is set to TRUE, a certificate request will be mapped automatically, even though the IP address in the certificate request is not the same as in the database. This may be needed to automatically map certificate requests from multi homed hosts.

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.08.36
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : CSA

OPC_CSA_AUTOGRANT_INTERVAL

Description : Time interval for opccsad to automatically grant certificate request during remote certificate installation. Used only during management server driven agent install.

Type/Unit : int, minute
 Default : 30
 Documented :
 Since Rel. : A.08.00
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)

Search-Keys : CSA

OPC_CSA_AUTOMATION

Description : Enable/disable automatic processing of certificate requests from HTTPS agents and allow automatic adding of systems to the OMU nodebank before granting a certificate request.

Check related variables for more information:

OPC_CSA_NAT_RULES,

OPC_CSA_RULES,

OPC_CSA_ACTION_TIMEOUT.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.08.29

ObsoleteSince. :

Used In : namespace: opc.opccsad (>=OV08)

Search-Keys : CSA

OPC_CSA_NAT_RULES

Description : Specify a list of rules and subnet patterns for automatic certificate processing in NATed environment.

This setting is applied on the NATed IP-address from the cert.req (which is stored in the "PeerAddress:" line when looking via "ovcm -listpending -l" on the cer.req).

Example:

```
OPC_CSA_NAT_RULES=rNAT+(10.18.1.*,10.19.2-5.*)
```

```
OPC_CSA_RULES=rSTD+(*.mydomain.com);r2DENY+(*)
```

```
rNAT=PRE_ACTION:/tmp/precsadnat.sh,GRANT,ADD_NODE,/tmp/postcsadnat.sh
```



```
rSTD=PRE_ACTION:/tmp/precsad.sh,GRANT,ADD_NODE,POST_ACTION:/tmp/postcsad.sh
rDENY=PRE_ACTION:/tmp/precsaddeny.sh,DENY
```

This example grants for NAT subnets 10.18.1 and 10.19.2-5, as well as for *.mydomain.com. All the rest is denied. OPC_CSA_NAT_RULES is applied first. Different actions are executed in the NAT- and non-NAT case here. Typically both rules will not overlap from their match-range, because different subnets are concerned. OPC_CSA_NAT_RULES has higher priority in case they overlap.

Check related variables for more information:

```
OPC_CSA_RULES,
OPC_CSA_AUTOMATION,
OPC_CSA_ACTION_TIMEOUT
```

```
Type/Unit      : string
Default        : (not set)
Documented     :
Since Rel.     : A.08.29
ObsoleteSince. :
Used In        : namespace: opc.opccsad (>=OV08)
Search-Keys    : CSA
```

OPC_CSA_RULES

```
Description    : Specify a list of rules and subnet patterns for automatic
                  certificate processing.
```

Example:

```
OPC_CSA_RULES=rule1+(*.mydomain.com);rule2+(*
rule1=PRE_ACTION:/tmp/precsad.sh,GRANT,ADD_NODE, \
POST_ACTION:/tmp/postcsad.sh
rule2=DENY,POST_ACTION:/tmp/csaddeny.sh
```

rule1 is applied on all accepted certificates matching *.mydomain.com. rule2 is used to deny undesired certificate requests.

Check related variables for more information:

OPC_CSA_NAT_RULES,
OPC_CSA_AUTOMATION,
OPC_CSA_ACTION_TIMEOUT

Type/Unit : string
Default : (not set)
Documented :
Since Rel. : A.08.29
ObsoleteSince. :
Used In : namespace: opc.opccsad (>=OV08)
Search-Keys : CSA

OPC_CSA_USE_AUTOGRANT

Description : Enable/disable the autogrant certificate request feature for opccsad. Used only during management server driven agent install.

Type/Unit : bool
Default : TRUE
Documented :
Since Rel. : A.08.00
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : CSA

OPC_CSA_USE_HOSTNAME_IN_REQUESTS

Description : Normally opccsad sends the IP address of the node taken from

the database when granting/denying certificate requests. This is not always the best option, especially in environments where NAT or proxies are used, because in those cases the hostname is often used to route requests. When this option is set to TRUE, opccsad uses the nodename from the database when sending requests to ovcs. Set it to TRUE in NAT/proxy environments, and set it to FALSE in cases where IP routing is preferred, but note that reverse name resolution must work properly in this case.

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.08.22
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : CSA

OPC_CUSTPROC1_LOG

Description : logging for opccustproc1 process
 Type/Unit : boolean
 Default : FALSE
 Documented : yes
 Since Rel. : A.07.12
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : opccustproc1, logging

OPC_CUSTPROC1_MOM_FORWARD

Description : flexible management for opccustproc1 process
 Type/Unit : boolean

Default : FALSE
Documented : yes
Since Rel. : A.07.12
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys : opccustproc1, mom

OPC_CUSTPROC1_REMOTE_HOSTS

Description : comma separated list of remote hosts for opccustproc1 process
Type/Unit : string
Default : ""
Documented : no
Since Rel. : A.07.12
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys : opccustproc1, remote hosts

OPC_DBG_AREA

Description : Specify agent or server trace areas for special debug-output (separated by comma - no whitespace); if OPC_TRACE_AREA DEBUG is set and OPC_DBG_AREA is not, area ALL is used.
Values:
ACTM, APPLMGR, ATTR, BLKTRF, BUFFILE, BUFMGR, CFGP, CMA, CMDSEQ, CMM, CMPR, COMM, COMMLK, CONF, CTLA, CTLAAPI, CTLAMGR, CTLM, DA, DCESEC, DFILE, DIR, DISPM, DLIST, DM, DM/DA, FILE, FMTEVT, FORWM, GUISTART, INIT, INSTRMGR, LE, M2M, MAC, MEMQ, MONA, MSGA, MSGM, MSGR, MUX, MUX/CV, NAMESRV, NCS, NLS, NODEMGR, NTLA, NTPRF, OPCPWD, PCTL, PERF, PIDF, PING, PROC, PROXY, QCHK, QM, RAGT, REPLY, RQS, RRPC, SA, SEC, SER, SIG, SM, SNMP, SOCK, SRVC, SUBPROD, SUBSRV, SW, THRD, TI, TMPL, TMPLMGR, UIOBJ, UISRV, UUID, VB

Example:

```
OPC_TRACE TRUE
OPC_TRACE_AREA DEBUG
OPC_DBG_AREA RQS, NAMESRV
```

Type/Unit : string
 Default : (not set)
 Documented :
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcininfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8.11)
 Search-Keys :

OPC_DBG_EXCLUDE_AREA

Description : Comma-separated list of debug-areas which are ignored.

Example:

```
OPC_TRACE_AREA DEBUG
OPC_DBG_EXCLUDE_AREA MUX, CONF, NLS
```

Prints all debug data except MUX, CONF, and NLS.

See OPC_DBG_AREA for possible areas.

Type/Unit : string
 Default :
 Documented :
 Since Rel. : A.05.30
 ObsoleteSince. :
 Used In : opcsvinfo, opcininfo (<=OVO7); namespace: eaagt, opc (>=OVO8.11)
 Search-Keys :

OPC_DBG_PROCS

Description : List processes that you want to debug trace. All others are ignored. Comma-separated list, no white-spaces.
Example: OPC_DBG_PROCS ovoareqsdr,opcmsgsd

Type/Unit : string

Default : All processes are traced if trace-area DEBUG is set.

Documented :

Since Rel. : A.04.00

ObsoleteSince. :

Used In : opcinfor, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08.11)

Search-Keys :

OPC_DB_IGNORE_NODE_CASE

Description : If set to TRUE, opccfgupld will ignore upper/lower case when looking for existing nodes in the database.
This is only used for searching the node. The node will be added with the case from the data files, unless you use the OPC_USE_LOWERCASE config variable.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.06.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_DCE_TRC_OPTS

Description : For DCE internal troubleshooting it may be necessary to set routing information for DCE trace areas. The value of this parameter is passed to `dce_svc_debug_routing(3)`.

Example: `rpc:mem.9:FILE:/tmp/rpcmem.log`

This can also be achieved by setting the environment variable `DCE_SVC_ROUTING_FILE=` where the routing file should have entries of the following form, or a subset of these:

```
dts:* .9:FILE.9.10000:/var/opt/dce/svc/debug.dts.%ld
sec:* .9:FILE.9.10000:/var/opt/dce/svc/debug.sec.%ld
rpc:* .9:FILE.9.10000:/var/opt/dce/svc/debug.rpc.%ld
cds:* .9:FILE.9.10000:/var/opt/dce/svc/debug.cds.%ld
general:* .9:FILE.9.10000:/var/opt/dce/svc/debug.general.%ld
```

See also `svcroute(5)`.

Warning: If this trace is enabled, it may happen that newly created processes inherit a locked semaphore and thus will hang.

Type/Unit : string
 Default : none
 Documented :
 Since Rel. : A.06.00
 ObsoleteSince. : 9.00
 Used In : `opcinfo`, `opcsvinfo (<=OV07)`; namespace: `eaagt`, `opc (>=OV08)`
 Search-Keys :

OPC_DEFAULT_HOLDING_AREA_NAME

Description : The name of the holding area of a new created node hierarchy.
The holding area of a node hierarchy is a node layout group,
where newly added nodes are put.

Type/Unit : string

Default : HoldingArea

Documented :

Since Rel. : A.05.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_DIRECT_ACKN_LIMIT

Description : If more messages must be acknowledged than allowed by this
configured limit, they are only marked as acknowledged and
later on moved to the history tables by the opcdbmsgmv process.
Otherwise they are immediately moved.
To always mark messages, set OPC_DIRECT_ACKN_LIMIT to 1.
Note: the Java GUI processes handles each acknowledge
as a separate request and therefore this parameter
only shows an effect if set to 1.
See also the parameters OPC_ACK_MOVE_INTERVAL and
OPC_ACK_COMMIT_COUNT.

Type/Unit : int

Default : 50

Documented :

Since Rel. : A.05.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_DISABLE_AUTOEXTEND

Description : If TRUE, opcadddbf creates non-autoextend database files.
 Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_DISABLE_EXT_DCE_SRV

Description : If TRUE, the server processes that are only needed if DCE nodes are used, opcdistm and opcmsgrd, are disabled.
 This should only be used if you have no more DCE managed nodes.
 Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.08.12
 ObsoleteSince. : 9.00
 Used In : namespace: opc (>=OV08.12)
 Search-Keys :

OPC_DISABLE_IP_MAPPING_TABLE

Description : If TRUE, opcdistm and opcmsgm will not build an IP address mapping table at startup. That avoids doing name resolution for all the nodes in the node bank. But that means, that distributions to multi homed hosts may not work any more. And it may lead to additional name resolution when a message for a node is received that was not found in the node list.

Note, that disabling the IP address mapping table has following impacts:

- opcdistm: Distribution to newly added multi homed DCE managed nodes may fail (existing nodes use the preferred IP address from opcinfo and thus distribution will still work fine).
- opcmsgm may need to use the name service where previously the IP address mapping table helped to identify the node.

Type/Unit : bool
Default : FALSE
Documented : N
Since Rel. : A.08.27
ObsoleteSince. : 9.00
Used In : namespace: opc (>=OV08)
Search-Keys :

OPC_DM_CONNECT_TIMEOUT

Description : During server startup, processes try to connect to display manager (opcdispm). If they cannot connect within the specified timeout, the server processes will be shutdown again.
Typical timeout is 5 minutes.
Note: for large setups with many nodes, this should be set to at least 900.

Type/Unit : int , second
Default : Not set. Most programs try with 300 seconds, if this variable
Documented : Y?
Since Rel. : A.05.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_DM_RETRIES

Description : Sets the number of retries of the display manager RPCs.
 Different than OPC_DM_CONNECT_TIMEOUT, this parameter deals with existing display manager connections.

Type/Unit : int

Default : 10

Documented :

Since Rel. : A.02.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_DM_SLEEP

Description : Sets the number of seconds to sleep between successive display manager RPCs, if the first call fails.

Type/Unit : int

Default : 2

Documented :

Since Rel. : A.02.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_DONT_EMPTY_NS_CACHE

Description : Do not empty the name service cache in opcmmsgm when adding or modifying a node if OPC_DONT_EMPTY_NS_CACHE is set to TRUE. Clearing the name service cache may cause delays in the message processing if a lot of messages for nodes that are unresolvable are matched by external nodes, or if nodes in the node bank are modified that are unresolvable. Even if the name service cache is not cleared, OMU will handle the primary IP address and node name correctly. But if all the IP addresses of a node with multiple IP addresses were changed, messages with one of those IP addresses that should match an external node may be accidentally discarded.

Type/Unit : bool
Default : FALSE
Documented : N
Since Rel. : A.08.36, A.09.10
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys :

OPC_DONT_FORW_MSGKEY_ACK

Description : Do not forward the acknowledge and annotation add change events caused by message key relations. If the target server has the same messages, it already handles the same message key relation. If this flag is not set, the correlation is performed twice, which may lead to lock timeouts and duplicate annotations.

Type/Unit : bool
Default : FALSE
Documented : N
Since Rel. : A.07.21
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys : MOM, message forwarding

OPC_DONT_REPLACE_MGMTSV_VARIABLE

Description : When this variable is set to TRUE, Message Manager does not replace OPC_MGMTSV variable with management server's hostname in operator action's nodename field when a message is received. This can be useful when messages are forwarded to another server and operators want to execute the action on their local server.

Type/Unit : bool

Default : FALSE

Documented : Y

Since Rel. : A.08.31

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys : OPC_MGMTSV replace action

OPC_DOWNLOAD_TEMPL_INDIVIDUAL

Description : By default, opccfgdwn loads all templates of a kind and writes them into one file (e.g. le.dat). If there are a lot of templates, opccfgupld may run out of memory. If this config variables is set to TRUE, opccfgdwn downloads each template in an individual file name with the UUID + "_data" as the file name.

Note: during OMU 8 -> OMU 9 migration this setting should be FALSE. Otherwise the upload on OMU 9 will fail for template groups and all other objects following behind in the upload sequence. Documented in OMU rel.notes under QCCR1A90937.

Type/Unit : bool

Default : FALSE

Documented : N
Since Rel. : A.08.25
ObsoleteSince. : 9.00
Used In : namespace: opc (>=OV08)
Search-Keys :
OPC_DO_ACTION_SIGNATURE_CHECK_FOR_ALL_NODES

Description : If this variable is set to FALSE, opcmmsgm checks the node communication type and action signature verification is only provided for HTTPS nodes.
If this variable is set to TRUE, action signature check is provided for all nodes. If there are only HTTPS nodes, opcmmsgm omits the check for node communication type and goes directly to the next step.

Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.08.00
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : action signature

OPC_DO_ACTION_SIGNATURE_CHECK_FOR_LOCAL_ACTIONS

Description : If this variable is set to FALSE, only actions which meet the requirement of "message generation node != action target node" are checked.
If this variable is set to TRUE, the action signature check is also done for local actions.

Note: Actions of MSI generated messages do not work if this flag is on.

Type/Unit : bool
Default : FALSE

Documented :
 Since Rel. : A.08.00
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : action signature
 OPC_DO_ACTION_SIGNATURE_CHECK_ON_FORWARDED_MSG

Description : If this variable is set to FALSE, and if the message is a forwarded message, there is no action signature check.
 If this variable is set to TRUE, action signature in forwarded messages is checked.

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.08.00
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : action signature

OPC_DUMMY_IP_RANGE

Description : If the OVO for UNIX management server detects an IP address conflict while processing an IP change request, the next free IP address from the OPC_IP_DUMMY_IP_RANGE is used (for DHCP).
 The format of this string is [1-9*].[1-9*].[1-9*].[1-9*].
 At least one number must be specified.

Type/Unit : string
 Default : 1.1.1.*
 Documented : HTTPS Agent Concepts and Configuration Guide
 Since Rel. : A.08.00
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)

Search-Keys :

OPC_DUPLICATES_DO_MSGKEY_RELS

Description : In OVO 7 and higher, messages which are suppressed as duplicates are fed into the message key relation correlation. Set this opcsvinfo variable to TRUE and correlation is not done for duplicates.

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.07.16

ObsoleteSince. :

Used In : opcsvinfo (<=OVO7)

Search-Keys : Suppression of duplicated messages, message key relation

OPC_EC_STREAM_POLICY

Description : ECS event handling policy. ECS engine creates output if ALL or if ANY circuits create output for an event. Values: OUTPUT,UNSPECIFIED,DISCARD

Type/Unit : string

Default : OUTPUT

Documented : Y

Since Rel. : A.05.00

ObsoleteSince. :

Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)

Search-Keys : ECS

OPC_EXEC

Description : Enable execution of special tracing commands. Whenever tracing parameters are evaluated (startup | opcagt -trace | opcsv -trace) the tasks listed at OPC_EXEC_AREA-entry are performed for processes OPC_EXEC_PROCS.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.06.00

ObsoleteSince. :

Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)

Search-Keys :

OPC_EXEC_AA_WITH_DUPL_SUPPR

Description : Allows the server to execute a remote automatic action for each duplicate message when count and suppress duplicates is enabled.

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.06.16

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_EXEC_ACTIONS_AT_STARTUP

Description : By default the OVO server does not execute any action

request which it finds in queue-files when it starts up. Instead it creates a response that the action-request is 'old' (from previous OVO server session). This can be changed with OPC_EXEC_ACTIONS_AT_STARTUP. See also OPC_MAX_AGE_OF_ACTIONS_AT_STARTUP.

Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.04.00
ObsoleteSince. :
Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
Search-Keys :

OPC_EXEC_AREA

Description : List of tracing-related tasks to be executed when tracing parameters are evaluated (see OPC_EXEC). Argument is a comma-separated list of tasks. Output is written to trace files.

Currently supported tasks:

PRINT_NAMESRV_CACHE : print OVO name-resolution cache.

Note: debug-trace-area NAMESRV must be set.

Type/Unit : string
Default :
Documented :
Since Rel. : A.06.00
ObsoleteSince. :
Used In : opcinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys :

OPC_EXEC_MSI_FORW_AA

Description : If OPC_MSI_CREATE_NEW_MSGID setting is set to 4 (message-ids are not modified by MSI applications) then automatic actions, created or changed by MSI applications, belonging to forwarded messages are not automatically executed by default. When OPC_EXEC_MSI_FORW_AA is set to TRUE, such actions are allowed.

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.08.34

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : MOM, message forwarding, MSI

OPC_EXEC_PROCS

Description : Comma-separated list of programs to be considered when special tracing tasks are to execute. See OPC_EXEC and OPC_EXEC_AREA. If not set, all procedures are considered. Example to print name-resolution cache data of processes ovoareqsdr and opcmmsgm to trace file when executing the opcsv -trace command:

```
OPC_TRACE TRUE
OPC_TRACE_AREA DEBUG
OPC_DBG_AREA NAMESRV
OPC_DBG_PROCS ovoareqsdr,opcmmsgm
OPC_EXEC TRUE
OPC_EXEC_AREA PRINT_NAMESRV_CACHE
OPC_EXEC_PROCS ovoareqsdr,opcmmsgm
```

Type/Unit : string
Default :
Documented :
Since Rel. : A.06.00
ObsoleteSince. :
Used In : opcinfol, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
Search-Keys :

OPC_FORWM_MAX_BULK_SIZE

Description : Controls the size of the event bulk. If the variable is not set or set to 0, Forward Manager will not do any bulking and will send a single event at a time, as soon as it has been read from the queue. If the value of the variable is greater than zero, Forward Manager will collect events from the queue until one of the following conditions is met:

- the event read from the queue is of a different type than the previous one (type = message/operation/actresponse)
- the number of events read from the queue is equal (or greater) of the value of the OPC_FORWM_MAX_BULK_SIZE variable
- the queue is empty

At that point in time, Forward Manager will assemble all requests into as few bulks as possible, bulking only same types of events (e.g. ACK operations) in a single bulk, before sending them. Once all events have been processed, the bulk counter is reset and queue is processed again.

Type/Unit : integer, values: >= 0
Default : 100; 0 (OV08)
Documented : N
Since Rel. : A.08.23

ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : opcfornm, bulk

OPC_FORW_CTRL_SWTCH_TO_TT

Description : M2M message forwarding:
 Control whether forwarded 'normal' (controlled) messages
 should be sent to trouble-ticket service.

 Background:
 You may have only one trouble-ticket system but several OMU
 servers and do not want duplicated messages in the trouble-
 ticket service (see also OPC_FORW_NOTIF_TO_TT).
 Type/Unit : bool
 Default : TRUE
 Documented : Y
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_FORW_NOTIF_TO_TT

Description : M2M message forwarding:
 Pass forwarded 'read only'-messages (notification messages)
 to trouble-ticket system. (See also OPC_FORW_CTRL_SWTCH_TO_TT
 and note the different default value for both settings).
 Type/Unit : bool
 Default : FALSE
 Documented : Y
 Since Rel. : A.04.00

ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_HBP_CONTINUOUS_ERRORS

Description : If set to TRUE, heartbeat polling errors and buffering messages will be sent each polling interval and not only once.
- Added the buffering messages OpC40-1410 and OpC40-1411 to the heartbeat msgkey correlation list.
- Make sure for OV08, that the different heartbeat messages correlate each other like with OV07 where it makes sense.

Type/Unit : bool
Default : FALSE
Documented : N
Since Rel. : A.07.25; A.08.14
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_HBP_DOUBLE_CHECK

Description : For server initiated heartbeat polling to HTTPS agents:
If the OPC_HBP_DOUBLE_CHECK config setting is set to TRUE, the current ovoareqsdr worker thread will immediately re-check the agent (contact agent again), if the error was not a node down or network down error.

Type/Unit : bool
Default : FALSE
Documented : N

Since Rel. : A.08.31
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys :

OPC_HBP_NORMAL_START_MSG

Description : If set to TRUE, ovoareqsdr sends an "agent is now running" message (OpC40-462 for DCE nodes, OpC40-1912 for HTTPS nodes) for each agent that is accessible when the server processes are started.
 Type/Unit : bool
 Default : FALSE
 Documented : N
 Since Rel. : A.07.25; A.08.14
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_HBP_USE_ALL_PROTOCOLS

Description : Since ITO/VPO versions greater than A.04.19/A.05.34/A.06.00, ovoareqsdr no longer tries to use all protocols (DCE/NCS/SUN RPC) if HBP fails. To re-enable using all protocols, set this variable to TRUE.
 Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.04.20; A.05.35; A.06.00
 ObsoleteSince. : 9.00
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_HBP_USE_UDP_FIRST

Description : To avoid problems with open file limitations for polling Windows nodes, use this switch to try UDP first. TCP is used if UDP fails.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.04.11

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_HPDC_CLIENT_DISC_TIME

Description : DCE environment variable for ovoareqsdr. Specifies the time for TCP-sockets used by DCE on HPUX 10.20 to go from establish mode to time_wait mode. On HPUX 11, it can be directly configured using the mdd command. See the Firewall Concepts and Configuration Guide for details.

Type/Unit : int , seconds

Default :

Documented : Firewall Concepts and Configuration Guide

Since Rel. : A.06.01

ObsoleteSince. : 9.00

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_HTTPS_MSG_FORWARD

Description : Use HTTPS message forwarding between management servers. Besides DCE-based event forwarding (OVO8 default), OM for UNIX offers another communication type for forwarding events based on the HTTPS communication protocol, establishing a higher level of security for the communication between Management Servers in an OM for UNIX environment.

In order to successfully use HTTPS-based forwarding, a trust relationship must be established between OVO servers that are to communicate with each other. For details see "Setting up Trust Relationships between an OVO Management Server and HTTPS-based OVO Managed Nodes" in the OVO HTTPS Agent Concepts and Configuration Guide.

Type/Unit : bool

Default : TRUE; FALSE (OVO8)

Documented : OVO HTTPS Agent Concepts and Configuration Guide

Since Rel. : A.08.21

ObsoleteSince. :

Used In : namespace: opc (>=OVO8)

Search-Keys : MOM

OPC_INSTALLATION_TIME

Description : Install time of agent (opcinfo) or server (opcsvinfo).

Type/Unit : string

Default : Not set

Documented :

Since Rel. : A.01.00

ObsoleteSince. :

Used In : opcinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)

Search-Keys :

OPC_INSTALLED_VERSION

Description : Version string of agent (opcinfo) or server (opcsvinfo).
Type/Unit : string , values: A.VV.FF
Default : Not set
Documented :
Since Rel. : A.01.00
ObsoleteSince. :
Used In : opcinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys :

OPC_INT_MSG_FLT

Description : If TRUE, OVO-internal messages (message-group OpC or OpenView; mainly OVO-internal status- and error-messages) are passed to the OVO agent and can be filtered through message interceptor templates.
Note: This is also possible on the OVO management server. However, the local OVO management server's agent must run and it must use the same character set as the server.
Type/Unit : bool
Default : FALSE
Documented : Y
Since Rel. : A.05.00
ObsoleteSince. :
Used In : opcinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys :

OPC_INT_MSG_FLT_AWS

Description : With this variable set to TRUE, OVO internal messages are always filtered by the Message Interceptor, even if the process itself is not running. In this case, internal messages

arrive at the next startup of the Message Interceptor.

Setting this variable to TRUE, no internal messages are sent unfiltered to the Management Server.

Be careful when using this setting, as OVO internal messages sent to the management server may arrive delayed.

Important Note:

OPC_INT_MSG_FLT must be set to TRUE in order to use OPC_INT_MSG_FLT_AWS!

Type/Unit : bool
 Default : FALSE
 Documented : Y
 Since Rel. : A.07.26
 ObsoleteSince. :
 Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
 Search-Keys :

OPC_IPCE_RETRY_INTERVAL

Description : Configure IP change event handling for DHCP nodes.
 After the configured time period (in seconds) has elapsed, all buffered IP change events are processed again.

Type/Unit : int
 Default : 180 (3 minutes)
 Documented : Yes (HTTPS Agent Concepts and Configuration Guide)
 Since Rel. : A.08.00
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys :

OPC_IPCE_RETRY_NUM

Description : Configure IP change event handling for DHCP nodes. If none of

the IP addresses reported by the system matches those of DNS, the IP address change event is buffered. Each event is processed with a maximum number of retries as specified by the OPC_IPCE_RETRY_NUM variable.

Type/Unit : int
Default : 10
Documented : Yes (HTTPS Agent Concepts and Configuration Guide)
Since Rel. : A.08.00
ObsoleteSince. :
Used In : namespace: opc (>=OVO8)
Search-Keys :

OPC_IP_ADDRESS

Description : IP addresses of managed nodes are maintained as identifiers on the OVO management server. The address is passed to the managed node and used in messages coming from that node. IP addresses can be modified in the OVO Admin GUI which populate the nodeinfo file. Entries in opcinfol override the values in nodeinfo.
On the management server, opcsvinfo is used to make the server use one specific address for registering with the RPC daemon. Should NOT change this setting on the node itself using
ovconfchg -ns eaagt -set

Type/Unit : string , a.b.c.d (e.g. 15.136.120.1)
Default : (not set; first found IP address is used in messages then)
Documented : Y
Since Rel. : A.03.00
ObsoleteSince. :
Used In : nodeinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>= OVO8)
Search-Keys :

OPC_JGUI_ALLOW_ORIG_SRV

Description : Controls if the original management server is allowed in the list of backup management servers. By default, it is not allowed and is ignored by the Java GUI. See also OPC_JGUI_BACKUP_SRV variable.

Type/Unit : bool

Default : FALSE

Documented : Y

Since Rel. : A.08.22

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : Java GUI

OPC_JGUI_BACKUP_SRV

Description : Comma-separated list of two or more backup OVO management servers. In case of lost connection to management server, the Java GUI automatically re-connect to a specified backup server. If the variable is undefined or no value is specified, the auto-reconnect functionality is disabled.

Type/Unit : string

Default : none

Documented : Y

Since Rel. : A.08.21

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : Java GUI

OPC_JGUI_CONF_ALLOWED_USERS

Description : Comma-separated list of users that are able to save their

Java GUI configuration files when loaded from global settings location. For listed users, local configuration files have precedence over shared ones if present in \$USER_HOME.

Type/Unit : string
Default : none
Documented : Y
Since Rel. : A.08.14
ObsoleteSince. :
Used In : namespace: opc (>=OVO8)
Search-Keys : Java GUI, global settings

OPC_JGUI_GLOBAL_SETTINGS_UNIX

Description : Specifies shared folder location for Java GUI configuration files. It affects only Java GUI clients started on systems other than Windows. For Windows platform use OPC_JGUI_GLOBAL_SETTINGS_WIN. The value can be any valid path identifier and URL location (must start with 'http').

Typical values:

/net/barney/tmp (NFS share)
http://barney:3443/ITO_OP/ (URL on OVO server)

Type/Unit : string
Default : none
Documented : Y
Since Rel. : A.08.12 (server); A.08.13 (JGUI)
ObsoleteSince. :
Used In : namespace: opc (>=OVO8)
Search-Keys : Java GUI, global settings

OPC_JGUI_GLOBAL_SETTINGS_WIN

Description : Specifies shared folder location for Java GUI configuration files. It affects only JGUI clients started on Windows. For all other platforms use OPC_JGUI_GLOBAL_SETTINGS_UNIX. The value can be any valid path identifier and URL location (must start with 'http').

Typical values:

X:\Shared\JavaUI (mounted windows location)

\\wilma.hp.com\Shared\JavaUI (MS Win network location)

http://barney:3443/ITO_OP/ (URL on OVO server)

Type/Unit : string
 Default : none
 Documented : Y
 Since Rel. : A.08.12 (server); A.08.13 (JGUI)
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : Java GUI, global settings

OPC_JGUI_HINTING

Description : Configures the used Oracle optimizer by inserting a hint into the SQL query when loading messages using the Java GUI.
 Only used if OPC_USE_JB_MSGS_GET is TRUE.

Values:

RULE - rule based optimizer.

CHOOSE - Oracle decides whether to use rule or cost based opt.

RULE ORDERED - rule based opt., ordered.

ALL_ROWS - cost based opt., all rows strategy.

FIRST_ROWS - cost based opt., first rows strategy.

Type/Unit : string
 Default : FIRST_ROWS
 Documented :
 Since Rel. : A.07.16

ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_JGUI_HISTBRW_DISABLED

Description : Comma-separated list of users, that are not allowed to use
History Message Browser.
Type/Unit : string
Default : none
Documented : Y
Since Rel. : A.08.27
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : Java GUI

OPC_JGUI_INTERNBRW_DISABLED

Description : Type of internal web browser, which is disabled.

Values:

- ACTIVEX - ActiveX web browser is disabled
- EMBEDDED - Embedded web browser is disabled
- BOTH - ActiveX and Embedded web browsers are disabled
- NONE - Internal web browsers are allowed

Note: values EMBEDDED and BOTH are obsoleted since A.08.31.

Type/Unit : string
Default : none
Documented : Y
Since Rel. : A.08.30

ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : Java GUI

OPC_JGUI_MINIMAL_VER

Description : Comma-separated list of minimal Java GUI versions, which are allowed to connect to the OVO management server.
 First specified version in the list must not contain internal version.

Typical values:

A.08.27

A.08.27,A.08.27.QXCR1000442413

See also OPC_JGUI_RECOMMENDED_VER.

Type/Unit : string
 Default : none
 Documented : Y
 Since Rel. : A.08.27
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : Java GUI

OPC_JGUI_MSGGRP_ICON

Description : Sets alternative icon representations for the message group in the Java GUI:

"bw" - to use the black/white version of the original message group icon

" " - to use default colored message group icon

"path/image" - to use an image file on the server

The following sub variants are possible:

- absolute path loads the specified image
- image name without path loads the image from OVO's default image path /opt/OV/www/htdocs/ito_op/images
- http or ftp url can also be used to specify image location
- if the image cannot be loaded a default empty image is used

Type/Unit : string
Default : ""
Documented :
Since Rel. : A.08.24
ObsoleteSince. :
Used In : namespace: opc (>=OVO8)
Search-Keys : msggroup icon

OPC_JGUI_RECOMMENDED_VER

Description : Comma-separated list of recommended Java GUI versions, which are preferred to connect to the OVO management server. First specified version in the list must not contain internal version. See also OPC_JGUI_MINIMAL_VER.

Typical values:
A.08.27
A.08.27,A.08.27.QXCR1000442413

Type/Unit : string
Default : none
Documented : Y
Since Rel. : A.08.27

ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : Java GUI

OPC_JGUI_RECONNECT_RETRIES

Description : Applies to Java GUI client. Number of reconnect retries to
 current server before auto-reconnect is initiated.
 See also OPC_JGUI_BACKUP_SRV.

Type/Unit : integer
 Default : 3
 Documented : Y
 Since Rel. : A.08.21
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : Java GUI

OPC_JGUI_WEBBRW_APPL_RESULT

Description : If enabled, HTML output from the OVO Application will be
 redirected to the Web Browser. If disabled, it will be
 shown in the Application Panel (old behavior).

Values:

TRUE - Redirection to Web Browser is enabled.
 FALSE - Redirection to Web Browser is disabled.

Type/Unit : bool
 Default : TRUE; FALSE (OVO8)
 Documented : Y
 Since Rel. : A.08.25
 ObsoleteSince. :

Used In : namespace: opc (>=OV08)
Search-Keys : Java GUI

OPC_LOG_DROPPED_MSGS

Description : If TRUE, OVO logs all dropped message errors (OpC40-648 and OpC40-649) to System.txt file. OVO discards messages received from nodes, which are not managed by OVO or for which OvCoreIds are different from the ones, known to the management server. The setting is useful to determine node names from which the discarded messages were sent.

Type/Unit : boolean
Default : FALSE
Documented :
Since Rel. : A.08.27 (OpC40-648); A.08.34 (OpC40-649)
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys :

OPC_MAX_AGE_OF_ACTIONS_AT_STARTUP

Description : If OPC_EXEC_ACTIONS_AT_STARTUP is set to TRUE, you can tell which requests will be executed and which are 'too old' already.

Type/Unit : int , second
Default : 7200
Documented :
Since Rel. : A.04.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_MAX_DUPL_ANNO

Description : Configure the maximum number of annotations that are added for the count and suppress duplicate feature.
If set to 0, there is no limitation of duplicate message annotations.

Type/Unit : int

Default : 0 (no restriction)

Documented :

Since Rel. : A.06.14; A.07.12

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_MAX_JAVA_GUI

Description : Limit for the maximum number of Java GUIs that can be simultaneously logged in.

Type/Unit : int

Default : 0 (unlimited)

Documented :

Since Rel. : A.07.27; A.08.23

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_MAX_MSG_LEN

Description : Limit for the size of a message. Some sanity checks are made on incoming messages. One check ascertains if the size of the data

seems plausible. OPC_MAX_MSG_LEN defines the accepted limit in bytes. If a message arrives that is bigger than the specified limit, the message is discarded or truncated.

See also OPC_TRUNC_MSG.

Type/Unit : int
Default : 1048576 (1 MB)
Documented :
Since Rel. :
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08), eaagt (Agent)
Search-Keys :

OPC_MAX_PORT_RETRIES

Description : When DCE establishes that no more free ports are available (in particular when port-range is set), it executes a number of retries to get a free port. The default is 13 retries. Time between retries is 5 seconds. Time_wait-status of closed sockets on HPUX is 60 sec. Total wait is longer than time_wait_of_socket.

See Firewall Concepts and Configuration Guide.

Type/Unit : int , retries each 5 seconds
Default : 13
Documented : Firewall Concepts and Configuration Guide
Since Rel. : A.06.01
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_MGMTSV_CHARSET

Description : Character Set of OVO management server.
Values: roman8,iso88591,ebcdic,sjis,euc,ASCII

Type/Unit : string

Default : iso88591
 Documented :
 Since Rel. :
 ObsoleteSince. :
 Used In : nodeinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
 Search-Keys :
 OPC_MGMT_SERVER

Description : Fully qualified hostname of the system hosting the OVO management server.

Type/Unit : string

Default : unknown (set at installation time)

Documented :

Since Rel. : A.01.00

ObsoleteSince. :

Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)

Search-Keys :

OPC_MODIFY_OPCMONA_RESET_MESSAGES

Description : This variable is used by Message Manager (opcmsgm) to modify RESET messages from opcmona according to the value of the variable. If this variable is not set RESET message remain unchanged.

The following options are available:

ACTIVE : Delete log-only flag
(makes message visible in browser)

MSI_DIVERT: Set MSI flags
(for example, to pass messages to ECS)

MSI_COPY : As MSI_DIVERT

TT : trouble ticket flag (implies ACTIVE)

TT_ACK : trouble ticket + acknowledge by trouble ticket

(implies ACTIVE)

The value can contain several options at once, in which case they should be comma-separated (no blanks).

Type/Unit : string
Default : (not set)
Documented :
Since Rel. : A.07.24; A.08.12
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_MOM_SEND_OP_ACK

Description : When forwarded messages are acknowledged, the acknowledging operator id is sent with the acknowledgment to the source server instead of OpC.

Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.06.16
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_MOTIF_UI_FORCE_OPCGRP

Description : Controls group ownership of map files and directories of OVO Motif GUIs. Possible values:

OPER_AND_ADMIN - all owned by opcgrp

NOT_ADMIN - opc_adm user's group owner is used (may be other than opcgrp)
 NO - group owner of map files and directories never forced to opcgrp

Type/Unit : string
 Default : OPER_AND_ADMIN
 Documented : Online help
 Since Rel. : A.05.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : SECURITY

OPC_MSGFORW_BUFFERING

Description : Enables buffering of data to be exchanged via manager to manager message forwarding. The source server waits until target manager is reachable again. Since it always waits until ALL target managers are reachable, this setting is acceptable in a 2 server environment, but may be problematic for more than 2.
 Note: this only applies to DCE based manager to manager message forwarding.

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.06.00
 ObsoleteSince. : 9.00
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_MSGFORW_SYNC_COREIDS

Description : If set to TRUE, the OvCoreId of a node will be automatically updated by received messages in a MoM environment. When a message is received that was forwarded from another server, and the OvCoreID of the node from the message is different than the one in the database, the OvCoreId will be automatically updated in the database and the internal message OpC40-664 will be sent to notify the operators.

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.08.34

ObsoleteSince. :

Used In : namespace: opc (>=OVO8)

Search-Keys : MOM, message forwarding

OPC_MSG_FLT_EXCLUDE_SVC

Description : If set to TRUE, OVO-internal messages do not carry over Service Name field from original message. The Service Name is then an empty value. This is the behavior that existed before the fix for defect QXCR1000321305 was implemented.

Type/Unit : bool

Default : FALSE

Documented : Y

Since Rel. : A.07.27; A.08.25

ObsoleteSince. :

Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)

Search-Keys :

OPC_MSG_FORW_CHECKALIVE_INTERVAL

Description : M2M message forwarding. If a target server is not reachable, attempts to connect to it are repeated at the specified interval.
 Note: In OMU 9 replaced with MAX_ALIVE_TIMEOUT setting.

Type/Unit : int , second

Default : 120

Documented :

Since Rel. : A.04.00

ObsoleteSince. : 9.00

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_MSG_LOAD_POLICY

Description : Loading the messages of a user from the database is heavily dependant on the configuration used. To allow some tuning, several message load policies are available and may be used to influence the behavior of message loading:

Following message load policies were introduced:

STATIC (default):

Load the complete responsibility at the beginning, pattern matching for external nodes is performed on demand.

MATCH_IN_ADVANCE:

Load the complete responsibility at the beginning, perform pattern matching of all external nodes against all entries in `opc_node_names` at the begin.

(Except for binary search this is the ITO 4.0 behavior).

DYNAMIC:

Only the message groups are loaded at the beginning. The nodes of the responsibility matrix are loaded on demand. Pattern matching for external nodes is also performed on demand.

ALLMSGS:

No responsibility check is used at all (you always see all messages).

NO_EXT_NO_MISC:

The responsibility is included as restriction in the SQL statement to load the messages. This method can only be used if a user has no external nodes and no Misc message group.

Type/Unit : string
Default : STATIC
Documented :
Since Rel. : A.05.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_MSG_OPERATION_KEEP_TIME

Description : If a message on the target server is diverted to the MSI and delayed, the message operations (like auto action finished, acknowledge, ...) may be processed before the message itself has been added to the database. And because the message is not in the database, the message operation is discarded, and thus for example the auto action stays in state running.

To fix this, we Implemented a message operation buffer within opcmmsgm. It is now possible to configure the buffer time for message operations via the new config variable OPC_MSG_OPERATION_KEEP_TIME (in seconds, default is 3600, meaning 1 hour).

If a message is not in the database, the message operation will be buffered in memory. And whenever a

message was added to the database by `opcmsgm`, `opcmsgm` checks the buffer list to see if message operations for this message are outstanding. At that time it will also check for expired message operations and discard those (we don't want to buffer them forever, since a message might have been discarded by ECS).

It is possible to switch to the old behavior again by configuring a buffer time of 0. In that case, message operations will be immediately discarded, if the message is not (yet) in the database.

```
Type/Unit      : int / seconds
Default        : 3600 (one hour)
Documented     : N
Since Rel.     : A.08.27
ObsoleteSince. :
Used In        : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys    :
```

OPC_MSI_CREATE_NEW_MSGID

```
Description    : Controls the behavior of MSI-users in terms of message-id
                  creation
```

The following values can be used:

1: Create a new message-id each time a message attribute is changed or the copy-operator is called. (ITO 4.0 behavior)

2: Set no new message-id when attributes are changed if this message is sent to only one instance.

To set no new message-id, the message must be 'diverted' and not 'copied', so that the OVO management server or other MSI API-users also has a copy of it.

If you apply the API copy-operator to a message, the

copied message is no longer 'diverted' and later attribute changes result in a new message-id. Note that the message->orig_msgid attribute which is accessible for API-users contains the original message-id if it was changed (otherwise it contains a null-id). (ITO 5.0 behavior)
3: As 2, except that the copy-operator immediately creates a new message-id for the copy.

4: Message-ids are not modified at all. API-user is responsible for it.

Type/Unit : int , 1 <= n <= 4
Default : 2
Documented :
Since Rel. : A.05.00
ObsoleteSince. :
Used In : opcinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys : MSI

OPC_NAMESRV_CACHE_SIZE

Description : OVO uses a name-resolution cache in all processes to improve performance. If the cache is full, least frequently used entries are replaced by new ones.
For large environments, it is recommended to enlarge the cache size. (See also OPC_NAMESRV_*).

Type/Unit : int
Default : 5000; 100 (OVO8)
Documented :
Since Rel. : A.05.00
ObsoleteSince. :
Used In : opcinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys :

OPC_NAMESRV_DISABLE_CACHE

Description : Enable and disable OVO name-service cache.
(See also OPC_NAMESRV_*).

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.03.00

ObsoleteSince. :

Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)

Search-Keys :

OPC_NAMESRV_MAX_TIME

Description : Allowed resolution time for one node in milliseconds.
You get a WARNING in the trace and opcerror file if the configured limit is exceeded:

Name resolution for node 'hostname.at.domain' took
xxx milliseconds (exceeded the configured threshold of yyy)
(OpC20-2212)

Note, that this is only for reporting, the name service call will NOT be terminated if the max time is reached.

You will need to use name service client settings for that (e.g. via the retry and retrans keywords in /etc/resolv.conf for DNS). The details depend on OS and used name service.

Type/Unit : int (milliseconds)

Default : 200; not set (OVO8)

Documented : N

Since Rel. : A.05.33
ObsoleteSince. :
Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys :

OPC_NAMESRV_RETRIES

Description : Number of retries of gethostbyname and gethostbyaddr calls.
If the gethostby* call returns NULL (for example because the name service is not reachable, or host not found), it will be tried again OPC_NAMESRV_RETRIES times.
Type/Unit : int
Default : 1; 3 (OVO8)
Documented :
Since Rel. : A.03.00
ObsoleteSince. :
Used In : opcinfol, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
Search-Keys :

OPC_NEW_NAMERES

Description : If the parameter is set to TRUE, the following is activated:
- OVO treats the IP nodes and the non-IP nodes with the same name as a single node.
- Non-IP node names are also converted to lowercase if the OPC_USE_LOWERCASE parameter is set to TRUE.
- opcdbidx lower converts non-IP nodes to lowercase.
- If the configuration parameter OPC_NEW_NAMERES_NO_LOOPUP is set to TRUE, dblib (and opcmsgm) do not contact the name service for any node. The node name and IP address from the agent are taken without any further checks.
Type/Unit : boolean
Default : FALSE

Documented : Y
 Since Rel. : A.08.21
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys :

OPC_NEW_NAMERES_NO_LOOKUP

Description : This can only be used if OPC_NEW_NAMERES is set to TRUE.
 If OPC_NEW_NAMERES_NO_LOOKUP is set to TRUE, dblib (and opcmmsgm) do not contact the name service for any node. The node name and IP address from the agent are taken without any further checks.

Type/Unit : boolean
 Default : FALSE
 Documented : Y
 Since Rel. : A.08.21
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys :

OPC_NOTIFICATION_LOGONLY

Description : If set to TRUE, it enables the OVO user to select Notification service in a Message/Trap condition even if On Server Log Only option is checked. When OPC_NOTIFICATION_LOGONLY value is changed, the OVO GUI has to be restarted.

Type/Unit : bool
 Default : FALSE (OV08)
 Documented :
 Since Rel. : A.08.27
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)

Search-Keys :

OPC_NOTIF_WHEN_DUPLICATE

Description : If you have enabled "Suppression of duplicated messages", the local automatic action is launched on each message, whereas the notification service is only launched once.

You can change this using the opcsvinfo settings:

```
OPC_NOTIF_WHEN_DUPLICATE TRUE
OPC_TT_WHEN_DUPLICATE TRUE
```

which pass duplicates to the interfaces, with a 16th parameter containing the duplicate counter.

The counter is zero if it is the first message or if this feature is not switched on.

Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.06.09
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys : Suppression of duplicated messages, notification

OPC_NOTIF_WHEN_UNBUFFER

Description : Notification services are assigned to pending messages as they are unbuffered, not when they are first received.

Type/Unit : bool

Default : FALSE
 Documented :
 Since Rel. : A.06.16
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : notification
 OPC_NO_API_NODE_NAME_CHANGE_WARN

Description : If set to TRUE, the `opcnode_add()` and `opcnode_modify()` API functions do not return a warning code when the node name that was used based on the name service is different than the node name specified by the caller.

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.06.12
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_NO_HBP_MSG_CORRELATION

Description : Do not correlate node-up and node-down messages and other HBP-related status messages. (Default behavior before VPO 6).

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.06.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_NO_HIERARCHY_SYNC

Description : Do not sync the node hierarchies with the node bank at the end of opccfgupld.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.05.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_NO_MSGKEYREL_ANNO

Description : Do not add annotations for messages that are acknowledged by message key relation - improves performance.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.06.13; A.07.11

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_NO_MSG_FLT_FOR_BUFFER_MSG

Description : When internal message filtering is enabled, by default, all internal messages are passed on to the message interceptor. If this flag is set to TRUE, messages relating to the message agent's buffering (OpC40-1410 and OpC40-1411) are excluded and they are forwarded to the GUI/DB directly. This avoids the situation that these messages are also buffered.

Type/Unit : boolean

Default : FALSE
 Documented :
 Since Rel. : A.07.23
 ObsoleteSince. :
 Used In : opcinfor, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8)
 Search-Keys :
 OPC_ONE_LINE_MSG_FORWARD

Description : M2M message forwarding: An OVO server does not inform all other OVO servers about a message change event (ackn, anno_add, ...), but only the one from which it received the message and those to which it passed the message. If, for example, the 'last' server does an acknowledge, other servers are informed in a serial line.
 This can be useful in firewall environments.

Type/Unit : bool
 Default : FALSE
 Documented : Y
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys :

OPC_OPCCFGDWN_ALL_INCLUDE_SELDIST_SERVICES

Description : Since QXCR1000112703, opccfgdwn includes the services/loggings and seldist files. To avoid that a customer unintentionally overwrites the previous files during an upload, these files are only included in the complete download if explicitly enabled. With OMU 9 this is always the case.

Type/Unit : bool
 Default : TRUE; FALSE (OVO8)
 Documented :
 Since Rel. : A.08.22

ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opccfgdwn download seldist services

OPC_OPCTLM_KILL_OPUIWWW

Description : If this flag is set to TRUE, every time `opcctlm -stop` is called, the `disable_java_gui` script is called and all running `opcuiwww` processes are killed.
Obsolete since OMU 9 and replaced with `OPC_KILL_OPUIWWW`.

Type/Unit : bool
Default : FALSE
Documented : N
Since Rel. : A.07.25; A.08.15
ObsoleteSince. : 9.00
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_OPCTLM_START_OPSCVAM

Description : The `opscvcam` (Service Navigator Action Manager) utility is started together with other OVO processes by the control manager if the variable is set to TRUE.
Obsolete since OMU 9, because `opscvcam` is started by default (always).

Type/Unit : bool
Default : FALSE
Documented : Y
Since Rel. : A.08.23
ObsoleteSince. : 9.00
Used In : namespace: opc (>=OV08)

Search-Keys : opcsvcm, service navigator

OPC_OPCRLOGIN_TIMEOUT

Description : Under some circumstances like high load or long login scripts, opcrlogin (within the GUI) will not work because the default timeout is too short (2 sec). This causes the command to be entered before the login procedure has completed. This parameter is used to customize the timeout interval.

Type/Unit : int , second

Default : 2

Documented :

Since Rel. : A.03.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_OUTAGE_USE_CREATE_TIME

Description : Use message creation time instead of time when message received on OVO server for scheduled outage feature.

Type/Unit : bool

Default : FALSE

Documented : Y

Since Rel. : A.05.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_OWN_DISPLAY

Description : Specify status-propagation for 'owned' messages.
Type/Unit : string , values: STATUS_PROPAGATE,NO_STATUS_PROPAGATE
Default : NO_STATUS_PROPAGATE
Documented :
Since Rel. : A.03.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_OWN_DISPLAY_JGUI_UNDO

Description : Undo OPC_OWN_DISPLAY behavior for message browser in the OVO
Java UI Console.
Type/Unit : boolean
Default : FALSE
Documented :
Since Rel. : A.07.25.1
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_OWN_MODE

Description : Specify the message ownership mode:
OPTIONAL - User may take ownership of a message. Only the owner
of a message has exclusive read-write access to the
message. All other users who can view the message in
their browsers have only limited access to it.
ENFORCED - User must take ownership of messages. Performing

actions on a message will automatically own it.

INFORM - Informational, concept of ownership is replaced with that of marking and unmarking. Unlike optional and enforced modes, informational mode does not restrict or alter operations on the message.

Type/Unit : string , values: ENFORCED,OPTIONAL,INFORM
 Default : ENFORCED
 Documented : Administrators Reference
 Since Rel. : A.03.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_POLICYSTORM_LEAVE_VERSION

Description : Policy based message storm scripts are removing template version string from message source, which is needed for A.08.51 or newer agents. In case older agents are used and customer has also given some templates name ending with version string (format (number.number) - e.g. (1.0)), this setting can be set to TRUE in order to prevent removal of the version string.

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.08.33
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : ECS

OPC_POLICY_OWNER

Description : Defines the policy owner of policies distributed from this

management server.

See the Configuring Multiple Configuration Servers section in the HTTPS Agent Concepts and Configuration Guide for details about its use.

Type/Unit : string
Default : OVO:
Documented : HTTPS Agent Concepts and Configuration Guide
Since Rel. : A.08.00
ObsoleteSince. :
Used In : namespace: opc (>=OVO8)
Search-Keys :

OPC_PRINT_ALL_LOCAL_DB_ERRORS

Description : If TRUE, the DB-layer writes all OVO errors and warnings to the opcerror file, even though they might not be passed back to the DB-routine caller.

Type/Unit : boolean
Default : FALSE
Documented :
Since Rel. : A.04.00
ObsoleteSince. :
Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
Search-Keys :

OPC_Q_MAX_RETRY_TIME

Description : If there is no more disk-space or if the maximum allowed queue size is exceeded, this variable specifies for how long writing to a queue-file is attempted. If the threshold is passed, the associated processes terminate with an error.

Type/Unit : int , second

Default : MAX_INT (quasi infinite)
 Documented :
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :
 OPC_Q_MAX_SIZE

Description : Newly created queue files have this size limit imposed.
 If the queue is within the limit, a queue element may be appended, resulting in a queue that is possibly slightly beyond the limit. If the queue file is larger than this limit, writing to the queue is not possible, and the same actions as if the disk was full are performed (shift queue and/or sleep up to OPC_Q_MAX_RETRY_TIME seconds, then fail). Has no effect on the reader of a queue.

Type/Unit : int , kbytes
 Default : 0 (unlimited)
 Documented :
 Since Rel. : A.08.15
 ObsoleteSince. :
 Used In : namespace: opc, eaagt (>=OV08)
 Search-Keys :

OPC_Q_SYNC_WRITES

Description : If set to TRUE, updates to the queue are synchronized to the disk at critical places. This drastically reduces queue performance, but further reduces the chance of corrupted queue files. It's best to limit this parameter to opcmmsgm.

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.07.23

ObsoleteSince. :
Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
Search-Keys :

OPC_RECHECK_AGENT_ALIVE_OVCD_DOWN

Description : For agent sends alive package:
If ovoareqsdr gets an agent alive package that indicates that ovcd is down, and the new behavior is enabled by setting the config setting OPC_RECHECK_AGENT_ALIVE_OVCD_DOWN to TRUE, ovoareqsdr will handle this as if it didn't get any alive package. That means it will initiate active heartbeat polling when the polling interval is reached.

If it was really a temporary situation, the active HBP will show that everything is OK, and no HBP error is sent.

If error is still present at that time you will get a HBP error. That HBP error will also be more specific than if it had been created from the alive package (if ovbbccb is down, an ovbbccb down error is created versus if only ovcd is down, an ovcd down error is created).

Type/Unit : bool
Default : FALSE
Documented : N
Since Rel. : A.08.31
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : HBP

OPC_REJECT_CMA_DELETIONS

Description : This setting is useful in a MoM message forwarding environment with duplicate suppression, where OPC_UPDATE_DUPLICATED_MSGTEXT or OPC_UPDATE_DUPLICATED_SEVERITY settings are set to LAST_MESSAGE.

When message duplication is detected on one of the management servers, the server sends message change event with CMA-s, which are known to this server, to the other servers further up in a message forwarding chain (receiving servers). Each of these receiving servers then deletes all the CMA-s from the message it already has and adds the ones from the message change event.

If a server detects message duplication (a duplication detecting server), and some CMA-s were added before to the message (e.g. using MSI application) further up in the message forwarding chain, then these added CMA-s, which are not known to the duplication detecting server, might get only deleted and not added back on the receiving servers.

Setting OPC_REJECT_CMA_DELETIONS to TRUE on the receiving servers will change the behavior so the CMA-s, received with message change event, will not be deleted, but only updated if they already exist or added otherwise. A side-effect is that no CMA deletion, forwarded from other servers, will be executed.

Type/Unit : bool
 Default : FALSE
 Documented : N
 Since Rel. : A.08.35.010
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)

Search-Keys : duplicate MoM forward cma

OPC_REPLACE_MGMTSV_VARIABLE_IN_CMAS

Description : When this variable is set to TRUE, Message Manager replaces OPC_MGMTSV variable with management server's hostname in customer managed attributes' values when a message is received.

Type/Unit : bool

Default : FALSE

Documented : N

Since Rel. : A.08.34

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : OPC_MGMTSV replace action

OPC_REPORT_TIMEOUT

Description : When creating a report from the GUI, it must complete within the time interval set by this variable, otherwise the report creation is terminated.

Type/Unit : int / seconds

Default : 300

Documented :

Since Rel. : A.05.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_RESET_ACTIONS_OF_FORWARDED_MSGS

Description : Discard all action definitions from forwarded messages (M2M message forwarding). Works only together with OPC_RESET_IP_OF_FORWARDED_MSGS.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.06.03

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_RESET_IP_OF_FORWARDED_MSGS

Description : If this is set, the message receiver changes the source IP information of messages that have been forwarded to this server (so they are sent from another server and not directly from an agent).
The new network type is 'OTHER' and the IP address is dropped. That way, the forwarded message is only shown if external node symbols are configured - but the nodes are represented with the nodename instead of the IP address - and this works, if the nodename cannot be resolved or the IP address is not unique.

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.06.03

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_RESOLVE_MAC_ADDRESS

Description : If set, MAC addresses (0x<6 hex bytes>) are resolved.
Otherwise the name service cache returns NULL.
This can be set on both the agent and server.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.05.33

ObsoleteSince. :

Used In : opcmf, opcmvinfo (<=OV07); namespace: eaagt, opc (>=OV08)

Search-Keys :

OPC_RESTART_COUNT

Description : Defines how often an aborted server process should be restarted within the specified timeframe interval (OPC_RESTART_TIMEFRAME). In case a process aborts more often, it won't be restarted.
Obsolete since OMU 9, functionality replaced by LCore Control.

Type/Unit : integer

Default : 5

Documented :

Since Rel. : A.08.27

ObsoleteSince. : 9.00

Used In : namespace: opc (>=OV08)

Search-Keys : process restart server

OPC_RESTART_DELAY

Description : Defines the time the controlling process waits before it

restarts an aborted server process. The time is specified in seconds.

Obsolete since OMU 9, functionality replaced by LCore Control.

Type/Unit : integer
 Default : 10
 Documented :
 Since Rel. : A.08.27
 ObsoleteSince. : 9.00
 Used In : namespace: opc (>=OV08)
 Search-Keys : process restart server

OPC_RESTART_PROCESS

Description : If set to TRUE, the controlling process (opcctlm or ovoareqsdr) tries to restart aborted processes. The restart is done for a defined number of times (OPC_RESTART_COUNT) in a specified period of time (OPC_RESTART_TIMEFRAME). In case a process stops more often, it won't be restarted again.

Obsolete since OMU 9, functionality replaced by LCore Control.

Type/Unit : boolean
 Default : FALSE
 Documented :
 Since Rel. : A.08.27
 ObsoleteSince. : 9.00
 Used In : namespace: opc (>=OV08)
 Search-Keys : process restart server

OPC_RESTART_TIMEFRAME

Description : Defines a timeframe during which an aborted process is restarted up to specified amount of times

(OPC_RESTART_COUNT). The time is specified in minutes.
Obsolete since OMU 9, functionality replaced by LCore Control.

Type/Unit : integer (minutes)
Default : 60
Documented :
Since Rel. : A.08.27
ObsoleteSince. : 9.00
Used In : namespace: opc (>=OV08)
Search-Keys : process restart server

OPC_RESTRICT_ACTIONS_WITH_FOREIGN_SIGNATURE

Description : If set to TRUE, all actions that are not signed by current mgmt server will be discarded unless CORE ID of the foreign mgmt server is listed in OPC_ACCEPT_ACTION_SIGNATURES_FROM config variable. Such situation can take place in MoM environments with Primary and Backup servers when you want to restrict executions of Auto and Oper actions signed by other servers.
See also OPC_ACCEPT_ACTION_SIGNATURES_FROM setting.

Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.08.30
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : MoM

OPC_RPC_ARRAY_SIZE

Description : Block size of NCS RPC calls.
Type/Unit : int , bytes , 700 - (MAXUSHORT - 8)

Default : 65528
 Documented :
 Since Rel. : A.01.10
 ObsoleteSince. :
 Used In : nodeinfo opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :
 OPC_RPC_DELAY

Description : Delay between RPC calls (distribution).
 Type/Unit : int , second
 Default : 0
 Documented :
 Since Rel. : A.01.10
 ObsoleteSince. :
 Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt opc (>=OV08)
 Search-Keys :

OPC_RPC_SHORT_TIMEOUT

Description : Specifies the communication timeout "local" for RPCs (called and executed on the same machine).

LOCAL_ONLY - sets timeout to 5s

ALWAYS - sets timeout to 5s for local and remote

NEVER - sets timeout to 30s

Type/Unit : string
 Default : LOCAL_ONLY
 Documented :
 Since Rel. :
 ObsoleteSince. :
 Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)
 Search-Keys :

OPC_RQS_CHKALIVE_MAX

Description : HBP-interval for nodes where no HBP is configured or where the interval is very large. If a managed node is not reachable, this is used when OpenAgent requests are to be sent.

Type/Unit : int , second, < 3600

Default : 3600

Documented :

Since Rel. : A.04.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_RQS_CHKALIVE_MIN

Description : Similar to OPC_RQS_CHKALIVE_MAX.

Type/Unit : int , second, > 60

Default : 60

Documented :

Since Rel. : A.04.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_RQS_CHKALIVE_PROP

Description : Speed up HBP by the configured factor if an OpenAgent request is to be sent to a currently unreachable managed node (See also OPC_RQS_CHKALIVE_*).

Type/Unit : int

Default : 10
 Documented :
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys :
 OPC_RQS_NUM_WORKERS

Description : Number of ovoareqsdr threads available to communicate with agents. Since ovoareqsdr performs the heartbeat polling, it makes sense to increase this parameter if heartbeat polling is enabled for a lot of managed nodes. Otherwise ovoareqsdr may not be able to perform the heartbeat polling in time.

Type/Unit : 1 <= n <= 50
 Default : 20
 Documented :
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys :

OPC_SEARCH_BY_IP_FIRST

Description : Since OVO8, the node name is given priority over the IP address when mapping message node to node bank nodes. If OPC_SEARCH_BY_IP_FIRST is set TRUE, the IP address is given priority (same behavior as with OVO7).

Type/Unit : bool
 Default : FALSE
 Documented : N
 Since Rel. : A.08.24
 ObsoleteSince. :

Used In : namespace: opc (>=OV08)
Search-Keys :

OPC_SEND_ACKN_TO_CTRL_SWITCH

Description : M2M message forwarding: Send acknowledge request to servers
which received a message as 'controlled' (normal OVO message).
Type/Unit : bool
Default : TRUE
Documented : Y
Since Rel. : A.04.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_SEND_ACKN_TO_NOTIF

Description : M2M message forwarding: Send acknowledge request to servers
which received a message as 'notify' (read-only).
Type/Unit : bool
Default : TRUE
Documented : N
Since Rel. : A.07.24
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_SEND_ACT_TO_CTRL_SWITCH

Description : M2M message forwarding: Send action status change to servers which received the appropriate message as 'controlled' (normal).

Type/Unit : bool

Default : TRUE

Documented : Y

Since Rel. : A.04.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_SEND_ACT_TO_NOTIF

Description : M2M message forwarding: Send action status change to servers which received the appropriate message as 'read-only'.

Type/Unit : bool

Default : TRUE

Documented : Y

Since Rel. : A.04.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_SEND_ANNO_TO_CTRL_SWITCH

Description : M2M message forwarding: Send annotation-add/del/change to servers which received the appropriate message as 'controlled' (normal).

Type/Unit : bool

Default : TRUE

Documented : Y

Since Rel. : A.04.00

ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_SEND_ANNO_TO_NOTIF

Description : M2M message forwarding: Send annotation-add/del/change to servers which received the appropriate message as 'read-only'.
Type/Unit : bool
Default : TRUE
Documented : Y
Since Rel. : A.04.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_SEND_MSG_COUNT

Description : Can switch off sending of message-count information (suppress duplicate messages on management server) using manager to manager message forwarding from source manager.
Type/Unit : bool
Default : TRUE
Documented :
Since Rel. : A.06.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_SEND_MSG_MODIFY

Description : Can switch off sending of message modify information
(operator changes message text and/or severity)
using manager to manager message forwarding from source manager.

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.07.24

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_SEND_OWN_DISOWN

Description : Can switch off sending of message-own/disown information
(operator owns/disowns messages) using manager to manager
message forwarding from source manager.

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.06.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_SERVHRS_USE_AGENT_TZ

Description : Scheduled-outage or service-hours: Use agent time zone
for service-hours calculation.

Type/Unit : bool

Default : FALSE

Documented : Y

Since Rel. : A.05.00
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_SG_NNM_STARTUP

Description : Determines whether OVO startup is done from within ovstart.
Type/Unit : bool
Default : TRUE since ITO 5
Documented :
Since Rel. :
ObsoleteSince. :
Used In : opcsvinfo (<=OV07)
Search-Keys :

OPC_SKIP_ACTION_SIGNATURE_CHECK

Description : If this variable is set to FALSE, action signature check is executed.
If this variable is set to TRUE, action signature check is completely switched off.
Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.08.00
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : action signature

OPC_SKIP_DCE_FORWARDING

Description : The setting, used together with OPC_HTTPS_MSG_FORWARD=TRUE, can improve forwarding performance - if the setting is set to TRUE and there is no DCE forwarding configured for any server, messages and message operations are not sent to DCE queue, which can save some time.
 Obsolete since OMU 9.

Type/Unit : bool

Default : FALSE (OV08)

Documented :

Since Rel. : A.08.27

ObsoleteSince. : 9.00

Used In : namespace: opc (>=OV08)

Search-Keys :

OPC_SOCK_BUF_SIZE

Description : Send and receive buffer size of the opctss / opcdista process.

Type/Unit : int , byte , 4096 <= n <= 48000

Default : 4096

Documented :

Since Rel. : A.02.00

ObsoleteSince. :

Used In : opcinform, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)

Search-Keys :

OPC_STOP_MESSAGE_FORWARDING

Description : If set to TRUE, messages are not forwarded anymore.
 For any messages, already buffered, the delivery of the buffered messages is stopped.

Type/Unit : bool

Default : FALSE
Documented :
Since Rel. : A.08.24
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcfornm
OPC_SUPPRESS_DUPL_AFTER_MSI

Description : Currently, the check for duplication is done AFTER the message is processed by the message stream interface (MSI).
However, the pre-A.06.09 behavior is still available by using
OPC_SUPPRESS_DUPL_AFTER_MSI FALSE

Type/Unit : boolean
Default : TRUE
Documented :
Since Rel. : A.06.09
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys : MSI duplicate suppression

OPC_SUPPRESS_DUPL_MSGID_BEFORE_MSI

Description : If this parameter is set to TRUE, opcmsgm will maintain a list of message IDs, so that it can discard messages with an already existing ID before passing the message to the MSI.
This is useful in a MoM message forwarding environment, if messages can come to the same server on multiple paths.

Type/Unit : boolean
Default : FALSE
Documented : N
Since Rel. : A.08.32
ObsoleteSince. :

Used In : namespace: opc (>=OV08)
 Search-Keys :

OPC_SUPPRESS_DUPL_MSG_KEY_ONLY

Description : If this parameter is set to TRUE, the count and suppress duplicates check will only performed for messages that have a message key defined. This will help customers who haven't changed all their templates to use message keys to avoid big delays, because suppress/count duplicates on all message attributes is REALLY slow.

Type/Unit : boolean
 Default : FALSE
 Documented : N
 Since Rel. : A.08.27
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : duplicate suppression performance

OPC_SUPPRESS_ERROR_LIST

Description : A comma-separated list of - values to suppress error messages (OpC-) output to all error message output targets. Set the setting on a by process basis as some binaries may output the same error message on error condition and suppressing the message would alter the normal output. Do not insert any whitespaces.

Example to suppress error messages OpC50-10 and OpC50-202 for opcmmsgm process:

```
ovconfchg -ovrg server -ns opc.opcmsgm \  
-set OPC_SUPPRESS_ERROR_LIST \  
"50-10,50-202"
```

Type/Unit : string
Default :
Documented : N
Since Rel. : A.08.30
ObsoleteSince. :
Used In : namespace: eaagt, opc (>=OV08)
Search-Keys : error message suppression

OPC_SUPPRESS_OUTAGE_BEFORE_MSI

Description : If this parameter is set to TRUE, opcmsgm will suppress messages that are suppressed due to scheduled outage as configured in the outage file before passing the message to the MSI. By default the outage processing is done after the MSI.

Type/Unit : boolean
Default : FALSE
Documented : N
Since Rel. : A.08.33
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys :

OPC_SVCM_ADD_WARN_IF_EXISTS

Description : TRUE: If, during the 'Add' operation, the object is found to already exist, warnings are sent from opcsvcm.
FALSE: No warnings are sent even if the object already exists.

Type/Unit : bool
 Default : TRUE
 Documented :
 Since Rel. : A.07.19
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys : opcsvcm
 OPC_SVCM_ERROR_CHECKING

Description : Controls the amount of error checking to be done by opcsvcm before an Add, Replace, or AddLoggings operation is completed.

FULL: All warnings are sent in tags while all Errors are sent in an tag. If Errors occur, the operation is not executed.

WARNONLY: All warnings and errors are sent in tags. The operation is completed.

NONE: Previous behavior, No Error Checking.

Type/Unit : string, FULL/WARNONLY/NONE
 Default : FULL
 Documented :
 Since Rel. : A.07.19
 ObsoleteSince. :
 Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
 Search-Keys : opcsvcm

OPC_SVCM_UPDATE_SERVICE_TABLES

Description : If set to TRUE, OVO maintains the opc_op_service table, even though OPCUIWWW_NORESP_SVCMSG is set to TRUE or not set. The opc_op_service table is used for reporting and by other

products.

Note: This may significantly reduce performance of service modifications (add, replace, assign and de-assign).

Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.07.23; A.08.10
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys : opcsvcm

OPC_SVC_CALC0

Description : Enables or disables the Overall Service Status Calculation view on opcsvm. The Overall view is based on all messages present in the active message browser.

IMPORTANT: You must enable at least one service status calculation view. Otherwise Service Navigator fails to start.

Type/Unit : boolean
Default : TRUE
Documented : Y
Since Rel. : A.08.10
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcsvcm, service navigator,

OPC_SVC_CALC1

Description : Enables or disables the Operational Service Status

Calculation view on opcsvm. The Operational view is based on all non-owned messages present in the active message browser.

IMPORTANT: You must enable at least one service status calculation view. Otherwise Service Navigator fails to start.

Type/Unit : boolean
 Default : TRUE
 Documented : Y
 Since Rel. : A.08.10
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : opcsvm, service navigator,

OPC_SVC_CALC_NAME0

Description : Renames the Overall Service Status Calculation view.
 Type/Unit : string
 Default : Overall
 Documented : Y
 Since Rel. : A.08.10
 ObsoleteSince. :
 Used In : namespace: opc (>=OV08)
 Search-Keys : opcsvm, service navigator,

OPC_SVC_CALC_NAME1

Description : Renames the Operational Service Status Calculation.
 Type/Unit : string
 Default : Operational
 Documented : Y

Since Rel. : A.08.10
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcsvcm, service navigator,

OPC_SVC_DEFAULT_CALC

Description : Specifies the default service status calculation view on opcsvm. For view set as default, the service severity change events are returned in the ElementStatusChange tag, for non-default view, they are returned in the ElementMultiStatusChanges tag. In the Java GUI, new service graphs and maps are opened in the default view.
0: The default calc view is Overall
1: The default calc view is Operational

Type/Unit : integer, (0 or 1)
Default : 0
Documented : Y
Since Rel. : A.08.10
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : opcsvcm, service navigator,

OPC_SYNC_MSGKEY_AND_DUP

Description : If set to TRUE, the opcmmsgm main thread waits for the message key correlation thread to complete execution before it checks if a message with a message key is a duplicate of another message.
Setting this variable to TRUE might reduce message throughput, because execution of the main thread and the

message key correlation thread are effectively serialized and thus the two threads cannot take advantage of a multi CPU system.

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.07.22
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : message key correlation, suppress and count duplicates

OPC_TERMINAL

Description : The default for the agent installation window and the config download window has been changed from hpterm (on HP-UX) and xterm (on Solaris) to dtterm. But it is now also possible to configure the terminal emulator with the new OPC_TERMINAL config variable.
 For example if you prefer to use hpterm you can set OPC_TERMINAL to /usr/bin/X11/hpterm.

Type/Unit : string
 Default : /usr/dt/bin/dtterm
 Documented : N
 Since Rel. : A.07.26; A.08.15
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_TERMINAL_GEOMETRY

Description : Size of the terminal emulator window used for agent installation and configuration download from the OVO Admin GUI.

Type/Unit : string
Default : 110x36
Documented : N
Since Rel. : A.07.26; A.08.15
ObsoleteSince. :
Used In : opcsvinfo (<=OVO7); namespace: opc (>=OVO8)
Search-Keys :
OPC_TRACE

Description : Enable agent or server trace.
For OVO 8, the new processes such as ovbbccb and ovcd, do not support OVO-style tracing. For the processes prefixed with "opc" OVO-style + XPL-style tracing can be switched on and used independently.

To enable OVO-style tracing on an OVO 8 server, use the command:

```
# ovconfchg -ovrg server -ns opc -set OPC_TRACE TRUE
```

To enable OVO-style tracing on a managed node, use the command:

```
# ovconfchg -ns eaagt -set OPC_TRACE TRUE
```

The related variables OPC_TRACE_AREA, OPC_DBG_PROCS etc. can be set in the same manner. The ovconfchg call automatically informs all consumers about configuration changes (means opcagt -trace and opcsv -trace are no longer required to enable tracing at runtime).

Type/Unit : bool
Default : FALSE
Documented : Y
Since Rel. : A.03.00
ObsoleteSince. :

Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08.11)
 Search-Keys :

OPC_TRACE_AREA

Description : Specify agent or server trace areas.
 Values: ALL, MISC, MSG, ACTN, NAME, ALIVE, DIST, INST, INT, DB, GUI, LIC, INIT, NLS, SEC, OCOMM, DEBUG, PERF, API, AUDIT, NTPRF, SRVC, MON MEMERR, MEM, FCT, WMI, AGTID, PDH, APM, PSTATE

Type/Unit : string
 Default : MSG, ACTN
 Documented : Y
 Since Rel. : A.04.00
 ObsoleteSince. :
 Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08.11)
 Search-Keys :

OPC_TRACE_CHILD

Description : Flag whether tracing is enabled between fork and execute for the child process (enabling can lead to mutex deadlock on multiprocessor machines).

Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.06.16
 ObsoleteSince. :
 Used In : opcinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08.11)
 Search-Keys :

OPC_TRACE_TRUNC

Description : Specify whether agent or server trace line length is limited.
Type/Unit : bool
Default : TRUE
Documented : Y
Since Rel. : A.04.00
ObsoleteSince. :
Used In : opcinfol, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08.11)
Search-Keys :

OPC_TRACE_UNKN_AREAS

Description : Also trace statements from "unknown" DEBUG trace areas.
Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.04.00
ObsoleteSince. :
Used In : opcinfol, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08.11)
Search-Keys :

OPC_TRC_PROCS

Description : List processes to be traced, if you do not want to trace all processes.
Type/Unit : string
Default : ALL
Documented : Y
Since Rel. : A.04.00

ObsoleteSince. :
 Used In : opcinfo, opcsvinfo (<=OVO7); namespace: eaagt, opc (>=OVO8.11)
 Search-Keys :

OPC_TRUSTED_SERVER_COREIDS

Description : A comma-separated list of trusted core-ids, used in Shared-CA environment to inform the server that additional to the local CA, action signatures from any CA in the trusted list can be accepted.

Example to add a Trusted server core ID:

```

ovconfchg -ovrg server -ns opc \
-set OPC_TRUSTED_SERVER_COREIDS \
cd04201e-295a-7507-1fbd-890eb6333944
  
```

Type/Unit : string
 Default :
 Documented : Yes
 Since Rel. : A.08.12
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys :

OPC_TTNS_KILL_ON_TIMEOUT

Description : If OPC_TTNS_KILL_ON_TIMEOUT is set to TRUE, opcttnsm will kill the running program after OPC_TTNS_TIMEOUT elapses. Otherwise the program will continue to run and you can check for the reason why the program timed out and if necessary kill it.

Type/Unit : bool
Default : FALSE
Documented :
Since Rel. : A.07.26; A.08.12
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys : troubleticket; notification
OPC_TTNS_MAX_CALLS

Description : Maximum number of trouble ticket and notification calls that can run in parallel.
Before increasing this number, you should make sure that your trouble ticket interface program and notification service program can handle multiple messages in parallel.

Type/Unit : string
Default : 1 (serial processing)
Documented :
Since Rel. : A.07.24; A.08.12
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys : troubleticket; notification

OPC_TTNS_TIMEOUT

Description : Timeout for TT/NS calls which is 300 sec by default.
The timeout can be configured with the OPC_TTNS_TIMEOUT configuration variable (0 means no timeout).
For example to define a timeout of 10 min:
Set OPC_TTNS_TIMEOUT to 600.
If the timeout is reached, opcttnsm will send a message, ignore this TT/NS call and continue to process the next request.

See also OPC_TTNS_KILL_ON_TIMEOUT.

Type/Unit : int

Default : 300
 Documented :
 Since Rel. : A.07.26; A.08.12
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : troubleticket; notification

OPC_TT_ACT_BUFFER_CHECK

Description : Determines how often the Action Manager checks its buffer
 for buffered responses.
 Type/Unit : int (seconds)
 Default : 60
 Documented :
 Since Rel. : A.06.15
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_TT_MAX_RESP_AGE

Description : The amount of time that an action response can stay buffered
 before it is deleted.
 Type/Unit : int (minutes)
 Default : 720
 Documented :
 Since Rel. : A.06.16
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_TT_SHOW_FORW_MGR

Description : If this setting is set to TRUE, then name of the OVO server that forwarded a message to this server is sent as parameter to a trouble-ticket and notification service system (after the number of suppressed duplicate messages).

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.08.33

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : MOM, message forwarding, troubleticket

OPC_TT_SKIP_RESP_OPER

Description : Skip determination of responsible operators when forwarding a message to a trouble ticket system. This will significantly improve processing performance within opcttnsm.

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.07.24

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys : performance

OPC_TT_WAIT_FOR_ACTION

Description : Forces opcttnsm to wait for the auto action attached to the message to finish before calling the Trouble Ticket script. By default, opcttnsm waits 70 seconds unless OPC_TT_WAIT_TIMEOUT is specified.

Type/Unit : boolean
 Default : FALSE
 Documented :
 Since Rel. : A.06.16
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :
 OPC_TT_WAIT_TIMEOUT

Description : Determines how long opcttnsm waits for an auto action to complete before the Trouble Ticket script is called. This variable is only valid if OPC_TT_WAIT_FOR_ACTION is set to TRUE.

Type/Unit : int
 Default : 70
 Documented :
 Since Rel. : A.06.16
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_TT_WHEN_DUPLICATE

Description : Pass messages to trouble ticket although they are duplicates of other messages. See also OPC_NOTIF_WHEN_DUPLICATE.

Type/Unit : string
 Default : FALSE
 Documented :
 Since Rel. : A.06.09
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : suppression of duplicate messages; troubleticket

OPC_UI_CACHE_FILE

Description : Increases startup performance by using cache files instead of cross-checking and synchronizing the operator's ovw map with the actual configuration stored in the OVO Oracle DB.

To work, the following directory is required:

`/var/opt/OV/share/tmp/OpC/ui`

To force a sync, start `opc` with one of the following options:

`-sync_only`

`-ovw_update`

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.04.04

ObsoleteSince. :

Used In : `opcsvinfo (<=OVO7)`; namespace: `opc (>=OVO8)`

Search-Keys :

OPC_UNACK_ON_DUPL_EVENT

Description : When set to TRUE, the message manager that receives a 'duplicate counter' event via M2M forwarding from another server for a history message, will unacknowledge the message.

This helps when servers are out of sync.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.07.23

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys :

OPC_UPDATE_DUPLICATED_MSGTEXT

Description : Set OPC_UPDATE_DUPLICATED_MSGTEXT=LAST_MESSAGE to update the message text of the original message, if a message arrives at the server that is suppressed and counted as duplicate.

Type/Unit : string
 Default : LAST_MESSAGE; empty (OV08)
 Documented : N
 Since Rel. : A.07.16
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : duplicate

OPC_UPDATE_DUPLICATED_SEVERITY

Description : Set OPC_UPDATE_DUPLICATED_SEVERITY=LAST_MESSAGE to update the severity of the original message, if a message arrives at the server that is suppressed and counted as duplicate.

Type/Unit : string
 Default : LAST_MESSAGE; empty (OV08)
 Documented : N
 Since Rel. : A.07.16
 ObsoleteSince. :
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
 Search-Keys : duplicate severity

OPC_UPDWN_COMMIT_COUNT

Description : For history download, after the configured number of messages are downloaded, a commit is done to release locks.

Type/Unit : int

Default : 100

Documented :

Since Rel. : A.05.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_USE_ALL_OVW_SELECTIONS

Description : Under certain circumstances, some nodes from the NNM IP-map are incompletely exported to the OVO GUI. Selections on such such nodes have no effect, for example, when trying to execute an action. When this variable is set to TRUE, these incomplete entries can also be considered for operations.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.06.03

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_USE_HBP_INFO_FOR_REQUEST_SENDING

Description : ovoareqsdr sends requests to managed nodes depending on the heartbeat-polling status. Example: Action requests are not sent if HBP tells that the target node is unreachable. Advantage: Less network traffic. Disadvantage: Requests are not sent even though the node is reachable but the last heartbeat-polling status suggests that the node is unreachable.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.05.00

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_USE_JB_MSGS_GET

Description : If set to TRUE, loading messages uses SQL to filter messages. In environments with a large volume of history messages, opening the filtered history browser when using the new filtering can take a long time.

If set to FALSE, loading messages applies some SQL filtering, but most of the filtering is done in memory and usually results in faster opening the filtered history browser in environments with a large volume of history messages.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.07.17

ObsoleteSince. :

Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)

Search-Keys :

OPC_USE_LOWERCASE

Description : Convert all node names to lower case in the name service cache. This avoid problems with the name server returning the same name with differing case.
When switching to OPC_USE_LOWERCASE, you should also run "opcdbidx -lower" to convert all node names of IP nodes in the database to lower case.

Type/Unit : bool
Default : TRUE; FALSE (OV08)
Documented :
Since Rel. : A.05.33
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

OPC_USE_OPC_FOR_UNSET_ACK_OP

Description : With A.08.31 we fixed the message operation handling in opcmmsgm to use an empty string ("") instead of "OpC" if acknowledge user is not set. This implies two changes to the current behavior:
+ Acknowledge user of messages acknowledged by opcmack will be ""
+ Messages forwarded from another server via DCE message forwarding with no user set will have an empty acknowledge user (so far it was "OpC" for messages forwarded via DCE forwarding and "" for messages forwarded via HTTPS forwarding).
For backward compatibility, this old behavior can be enabled again by setting the config setting OPC_USE_OPC_FOR_UNSET_ACK_OP to TRUE.

Type/Unit : bool
Default : FALSE
Documented : N

Since Rel. : A.08.31
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys :

OPC_USE_PAM_AUTH

Description : If set to TRUE, this setting will instruct OVO to use PAM as authentication mechanism (Unix users, Kerberos, LDAP).
 See also OPC_USE_PAM_FAILED_LOGIN_COUNTER.
 Type/Unit : bool
 Default : FALSE
 Documented :
 Since Rel. : A.08.10.160
 ObsoleteSince. :
 Used In : namespace: opc (>=OVO8)
 Search-Keys : PAM

OPC_USE_PAM_FAILED_LOGIN_COUNTER

Description : If set to TRUE and if PAM is enabled OPC_USE_PAM_AUTH = TRUE, this setting will enable Failed login counting for each user/operator in his/her name space 'user.'. Then these parameters are being updated in each 'user.' ns:
 FAILED_LOGIN_ATTEMPT_COUNTER=3 Counter
 LAST_FAILED_LOGIN_ATTEMPT=1197559311 Time in secs since 1970
 LOGIN_ATTEMPT_DELAY=60 Delay in secs

 After 3rd failed login, logins for this user will be blocked if LOGIN_ATTEMPT_DELAY did not elapse yet.
 See also OPC_USE_PAM_AUTH.
 Type/Unit : bool

Default : FALSE
Documented :
Since Rel. : A.08.30
ObsoleteSince. :
Used In : namespace: opc (>=OV08)
Search-Keys : PAM

OVCOR_APPL_TIMEOUT

Description : The configured timeout that opcuiwww waits for a response from an application.
Type/Unit : int (seconds?)
Default : 0 (no timeout)
Documented :
Since Rel. :
ObsoleteSince. :
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)
Search-Keys :

SERVER_PORT

Description : Port on which opcuihttps process listens for incoming HTTPS connections from Java GUI clients.
Type/Unit : integer
Default : 35211
Documented : Y
Since Rel. : A.08.14
ObsoleteSince. :
Used In : namespace: opc.opcuihttps (>=OV08)
Search-Keys : HTTPS, Java GUI, opcuihttps

SSL_CLIENT_VERIFICATION_MODE

Description : Specifies whether the opcuhttps server accepts anonymous connections from clients. Clients are usually Java GUI console clients, but can also be web browsers.

If set to RequireCertificate, clients require the certificate for (full) authentication.

Defined and consumed by BBC Http Client.

Type/Unit : string (Anonymous / RequireCertificate)

Default : Anonymous

Documented : Y

Since Rel. : A.08.14

ObsoleteSince. :

Used In : namespace: opc.opcuhttps (>=OV08)

Search-Keys : HTTPS, Java GUI, opcuhttps

_M_ARENA_OPTS

Description : Environment variable for controlling the HP-UX memory allocation mechanism when ovoareqsdr or opcctlm start one of their controlled processes.

For example, to make opcmsgrb use only one memory arena, set the following setting and then re-start the server processes as follows:

```
# ovconfchg -ovrg server -ns opc.opcmsgrb \
-set _M_ARENA_OPTS 1:128
```

For more information about _M_ARENA_OPTS and _M_SBA_OPTS see the malloc(3) man page.

Type/Unit : string

Default : ""

Documented : N

Since Rel. : A.08.24
ObsoleteSince. :
Used In : namespace: opc., e.g.: opc.opcmsgrb (>=OV08)
Search-Keys :

_M_SBA_OPTS

Description : Environment variable for controlling the HP-UX memory allocation mechanism when ovoareqsdr or opcctlm start one of their controlled processes.

See also _M_ARENA_OPTS configuration parameter.

For more information about _M_ARENA_OPTS and _M_SBA_OPTS see the malloc(3) man page.

Type/Unit : string
Default : ""
Documented : N
Since Rel. : A.08.24
ObsoleteSince. :
Used In : namespace: opc., e.g.: opc.opcmsgrb (>=OV08)
Search-Keys :