



HP Operations Manager

Software Version: 9.20.320

UNIX and Linux operating systems

Server Configuration Variables

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In This Document

This document lists all variables that you can use to configure your HP Operations management server.

HPOM provides automatic reload of most configuration variables. This means that most configuration variables used in server processes are updated automatically each time the `ovconfchg` command is used. However, keep in mind that some configuration variables used in the server processes are exceptions and are not always reloaded. For example, the configuration variables that represent file and path names, queue and pipe names, port ranges, and pid files are rather set at process startup and are not usually reloaded automatically.

For more information about server configuration variables, see also the *Administrator's Reference*.

List of Server Configuration Variables

AGENT_REQ_NUM_CRITICAL

Description : Sets a limit that will cause ovoareqsdr to stop to get restarted by ovcd later on. The purpose of this setting is to restart ovoareqsdr, which might hang in getaddrinfo().

Type/Unit : integer

Default : 0 (No such limit set)

Documented : N/A

Since Rel. : 09.11.110

Used In : namespace: opc

Search-Keys : ovoareqsdr, restart, too many agent requests

AGENT_REQ_NUM_WARNING

Description : Sets a limit that will trigger a message about an increased number of agent requests. The purpose of this setting is to detect a possibility that ovoareqsdr is stuck in getaddrinfo().

Type/Unit : integer

Default : 0 (No such limit set)

Documented : N/A

Since Rel. : 09.11.110

Used In : namespace: opc

Search-Keys : ovoareqsdr, warning, too many agent requests

DATABASE

Description : Database name to which HPOM connects. To allow SQL*Net connection. Connect string if <database> is empty: opc_op/<passwd> else: opc_op/<passwd>@<database>

Type/Unit : string

Default : ov_net

Documented : N/A

Since Rel. : A.01.00

Used In : namespace: opc

Search-Keys : database name, API

DB_CHECK_INTERVAL

Description : Check interval for count of DB messages. The check is done by opctlm/ovoareqsdr, and opctlm/ovoareqsdr 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 : N/A

Since Rel. :

Used In : namespace: opc

Search-Keys : ovoareqsdr, database maintenance, history message download,

DISABLE_ADVANCED_TEXT_CHECKS

Description : Determines if advanced text protection should be active in adminui application. If set to TRUE advanced text protection will be disabled in adminui application. Otherwise protection will be enabled.

Type/Unit : bool

Default : FALSE

Documented : N/A

Since Rel. : 09.20.310

Used In : namespace: adminui

Search-Keys : Administration UI, security, null byte, xml injection, xpath

DISABLE_SITESCOPE_NODE_MODIFICATION

Description : If this parameter is set to TRUE, service discovery server ignores delete requests that is coming from SiteScope thus disabling modification of node's structure on OMU server. Nodes will not be deleted when monitors (for these nodes) on Site Scope are deleted.

Type/Unit : boolean

Default : FALSE

Documented : N/A

Since Rel. : 09.10.240

Used In : namespace: om.svcdiscserver

Search-Keys : discovery

DOS_ENABLED

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

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : A.08.12
Used In : namespace: opc
Search-Keys : opcuwww, DoS protection, security, Java GUI

ECENG_CLOCK_INTERVAL

Description : Global setting for ECS engine clocking time.
Type/Unit : ini , milli-second
Default : 1000
Documented : N/A
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS

ECENG_LOG_LEVEL

Description : ECS tracing level setting.
Type/Unit : string , NONE,SEVERE,ERROR,WARN,FULL
Default : FULL
Documented : N/A
Since Rel. : A.04.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS, logging, trace

ECENG_TRACEFILE

Description : Name of ECS trace file.
Type/Unit : string
Default : ecengtr
Documented : N/A
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS, logging, trace

ECENG_TRACE_LEVEL

Description : ECS tracing level setting.
Type/Unit : string , NONE,FULL

Default : NONE
Documented : N/A
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS, logging, trace

ECENG_TRACE_RSIZE

Description : 'Relative' file size for ECS trace file configuration.
Type/Unit : int
Default : 100
Documented : N/A
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS, logging, trace

ECEVI_LOG_RSIZE

Description : 'Relative' file size of ECS event-input log configuration.
Type/Unit : int
Default : 100
Documented : N/A
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS, logging, trace

ECEVO_LOG_RSIZE

Description : 'Relative' file size of ECS event-output log configuration.
Type/Unit : string
Default : 100
Documented : N/A
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS, logging, trace

ECM_ANNO_NODE

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

Default : ""
Documented : Concepts Guide
Since Rel. : A.07.00
Used In : namespace: opc
Search-Keys : opcecm, ECS, annotate nodes

ECM_INSTANCE

Description : Instance-number of HPOM's ECS engine on management server (opcecm).
HPOM is assigned the ids 11 - 20.
Type/Unit : int
Default : 11
Documented : N/A
Since Rel. : A.07.00
Used In : namespace: opc
Search-Keys : opcecm, opcecm, ECS, instance number

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/A
Since Rel. : A.07.25.1; A.08.25
Used In : namespace: opc
Search-Keys : opcecm, ECS, perl script

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 : N/A
Since Rel. : A.07.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS, timeout, annotate server

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 : N/A
Since Rel. : A.07.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS, retries, annotate server

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/A
Since Rel. : A.07.26; A.08.15
Used In : namespace: opc
Search-Keys : opcecm, timestamp, ecenglg, ecengtr

ForwardingTargets

Description : Comma-separated list of target discovery forwarding servers (format: <server>:port,i;%)
Type/Unit : string
Default :
Documented : Service Discovery and Topology Synchronization Guide
Since Rel. : 09.10.200
Used In : namespace: om.svcdiscserver
Search-Keys : discovery, forwarding, target

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 : N/A

Since Rel. : A.02.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP, ping packet, timeout, node, alive

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 : N/A
Since Rel. : A.02.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP, ping packet, retry

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 : N/A
Since Rel. : A.02.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP, ndoe down, unreachable

JGUI_API_ENABLED

Description : Enable the Java GUI Remote APIs by setting a JGUI_API_ENABLED variable in a configuration file on the HPOM management server.
Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.08.35.010
Used In : namespace: opc
Search-Keys : opcuwww, API, Java GUI API

JGUI_MULTISTATUS_ENABLED

Description : Enable operational service view support for the Java GUI

client.
Type/Unit : boolean
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.08.10
Used In : namespace: opc
Search-Keys : opcsvcm, service navigator, Java GUI,

LOG_LEVEL

Description : LogLevel 1 : Logs only errors
LogLevel 3 : Logs errors and information
(including raw data received from the agent)
LogLevel 10: Logs tracing information like method parameters
for debugging purposes

Type/Unit : integer
Default : 3
Documented : Service Discovery and Topology Synchronization Guide
Since Rel. : A.09.10
Used In : namespace: om.svcdiscserver
Search-Keys : discovery, log

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 : N/A
Since Rel. : A.08.29
Used In : namespace: opc.opcforwm
Search-Keys : opcforwm, MoM, message forwarding, alive, timeout, unreachable

MAX_CONNECTIONS

Description : The maximum number of simultaneous connections to opcuhttps.
Clients are usually Java GUI consoles, but can also be web
browsers.
Type/Unit : integer
Default : 100
Documented : Administrator's Reference

Since Rel. : A.08.14
Used In : namespace: opc.opcuihttps
Search-Keys : opcuihttps, HTTPS, Java GUI

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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP, action request, timeout

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 : N/A
Since Rel. : A.08.27
Used In : namespace: opc
Search-Keys : opcragt, performance, threads, parallel

OPCRAGT_MAX_THREADS_TOTAL

Description : requires that OPCRAGT_USE_THREADS is set to TRUE.
Since cancelling timed out threads leads to issues, opcragt simply ignores a timed out thread and starts a new one. To avoid that too many threads are started this setting allows to limit the total number of opcragt threads including timed out threads.

Type/Unit : int, # of threads
Default : 900
Documented : N/A

Since Rel. : 09.10.240
Used In : namespace: opc
Search-Keys : opcragt, performance, threads, parallel

OPCRAGT_OMIT_ERROR_AGT_NOT_INST

Description : If opcragt is distributing configuration to a node where agent software is marked as not installed or to be updated, warning OpC40-730 is displayed.
Setting OPCRAGT_OMIT_ERROR_AGT_NOT_INST to TRUE will result in displaying this warning only if the agent software is not installed at all - i.e. it will not display the warning if agent software has to be updated only.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.10.220
Used In : namespace: opc
Search-Keys : opcragt, error, logging

OPCRAGT_START_TIMEOUT

Description : requires that OPCRAGT_USE_THREADS is set to TRUE.
Timeout for an opcragt -start call.

Type/Unit : int, # of seconds
Default : 0 (use OPCRAGT_TIMEOUT)
Documented : N/A
Since Rel. : 09.10.240
Used In : namespace: opc
Search-Keys : opcragt, timeout

OPCRAGT_STOP_TIMEOUT

Description : requires that OPCRAGT_USE_THREADS is set to TRUE.
Timeout for an opcragt -stop call.

Type/Unit : int, # of seconds
Default : 0 (use OPCRAGT_TIMEOUT)
Documented : N/A
Since Rel. : 09.10.240
Used In : namespace: opc
Search-Keys : opcragt, timeout

OPCRAGT_TIMEOUT

Description : requires that OPCRAGT_USE_THREADS is set to TRUE.
Timeout for an agent connection. If the operation for a node is not finished within the timeout specified, it is considered as failed and "cancelled (timeout)" is written as failure reason. Since cancelling a thread may lead to issues with shared resources, opcragt will simply ignore this thread and start a new one.

Type/Unit : int, # of seconds
Default : 600 (10 Minutes)
Documented : N/A
Since Rel. : 09.10.240
Used In : namespace: opc
Search-Keys : opcragt, timeout, connection

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-<command>-failed.log, where <command> 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 <val_in_millisec>
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
Documented : Installation Guide
Since Rel. : A.08.27
Used In : namespace: opc
Search-Keys : opcragt, performance, threads, parallel

OPCSVCAM_IGNORE_SVCINSTANCE_CREATE_FAIL_LOGGING

Description : Sometimes Service Engine can't be created, warning is written in to `System.txt` and creation of Service Engine is attempted again after 5sec. This variable postpones logging of mentioned warning.

Type/Unit : integer
Default : 0
Documented : N/A
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : opcsvcam, service action, service engine, logging

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 successful connecting to `opcsvcm`.

Type/Unit : int
Default : 5
Documented : N/A
Since Rel. : A.08.29
Used In : namespace: opc
Search-Keys : opcsvcam, service action manager, error, logging

OPCSVCAM_REGISTER_RETRY_INTERVAL

Description : Under some circumstances opcsvcam is not triggering auto action because it does 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 : N/A
Since Rel. : A.08.34
Used In : namespace: opc
Search-Keys : opcsvcam, service action manager, error, logging

OPCSVCM_ASYNC_MODE

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

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : A.07.12
Used In : namespace: opc
Search-Keys : opcsvcm, service manager, performance

OPCSVCM_MSGSVCNAME_DEFAULT

Description : opcmsgm 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:
"<MSG_APPL>:<MSG_OBJECT>@@<MSG_NODENAME>"

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.07.10
Used In : namespace: opc
Search-Keys : opcmsgm, SNVP, service name

OPCSVCM_MSGSVCNAME_FIXED

Description : If set, then opcmsgm 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 : N/A
Since Rel. : A.07.10
Used In : namespace: opc
Search-Keys : opcmsgm, SNVP, service name

OPCUIWWW_APP_C_SORT

Description : Defines if sorting of the applications/tools, nodes and message groups in Java GUI should depend on LC_COLLATE of HPOM server. If this variable is set to TRUE, sorting does not depend on LC_COLLATE but on binary comparison.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.11.040
Used In : namespace: opc
Search-Keys : opcuiwww, sort, tools, application, node, message group, Java GUI

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
Documented : N/A
Since Rel. : A.08.22
Used In : namespace: opc
Search-Keys : opcuiwww, bulk, Java GUI

OPCUIWWW_CONFIG_UPDATE_DELAY

Description : Delay in seconds between reading a config change event and reading the data from the database and updating the Java GUI. The purpose of this delay is to collect multiple config changes within a short time into one update request for the Java GUI.

Type/Unit : int
Default : 2
Documented : N/A
Since Rel. : 09.01.320
Used In : namespace: opc
Search-Keys : opcuiwww, performance, Java GUI

OPCUIWWW_DISABLE_NOTIF_ONLY_AUTO_RECONNECT

Description : This variable is used to control the behavior of the Java GUI when OPCUIWWW_DISABLE_ONLINE_CONFIG_SYNC is set to DISABLE_NOTIF_ONLY.

In this case, setting OPCUIWWW_DISABLE_NOTIF_ONLY_AUTO_RECONNECT to TRUE results in the Java GUI reconnecting automatically after major configuration changes take place (without the operator being informed about the changes).

Type/Unit : boolean
Default : FALSE
Documented : Java GUI Operator's Guide
Since Rel. : 09.11.040
Used In : namespace: opc
Search-Keys : opcuiwww, Java GUI, automatic reconnect

OPCUIWWW_DISABLE_ONLINE_CONFIG_SYNC

Description : Disable the OM 9.x online config update of the Java GUIs feature. If set to TRUE, Java GUIs will not be notified about config changes. The Java GUI user needs to manually re-load the configuration to see the latest configuration changes (like newly added nodes). This could for example be used together with the Inform Operators functionality in the Administration UI or the opcwall command. The administrator could tell the operators that they need to reload their configuration after he is done with some config changes. If set to DISABLE_NOTIF_ONLY, this option will only disable the notification dialog, config sync will still be performed.

Possible values:
TRUE
FALSE
DISABLE_NOTIF_ONLY

Type/Unit : string
Default : FALSE
Documented : Java GUI Operator's Guide
Since Rel. : 09.01.320, 09.10.220
Used In : namespace: opc
Search-Keys : opcuiwww, config change, Java GUI

OPCUIWWW_DISCONNECT_TIMEOUT

Description : Disconnect timeout for the Java GUI background process `opcuiwww`. If there was no request from the Java GUI client in more than `OPCUIWWW_DISCONNECT_TIMEOUT` seconds, `opcuiwww` will close the connection.
The Java GUI client sends a request at every refresh interval (by default 30 seconds). So if there was no request in a long time, there is a good chance, the Java GUI client is unreachable or completely hung.
This setting is especially for cases where the Java GUI client is accessed via VPN. If the VPN connection is lost and re-established, the VPN server may assign a different IP address, and thus `opcuiwww` would wait forever for the Java GUI client to connect again, potentially interfering with the new Java GUI client connection with the new IP address.
Good values for this timeout are 120 (two minutes) or 300 (five minutes). Using a too low value may lead to a Java GUI disconnect due to long lasting tasks.

Type/Unit : int (seconds)
Default : 0 (disabled)
Documented : N/A
Since Rel. : 09.11.120
Used In : namespace: opc
Search-Keys : `opcuiwww`, Java GUI, disconnect, timeout

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 : N/A
Since Rel. : A.08.34
Used In : namespace: opc
Search-Keys : `opcuiwww`, Java GUI, filtering, performance

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 : Java GUI Operator's Guide
Since Rel. : A.08.34
Used In : namespace: opc
Search-Keys : opcuiwww, Java GUI, filtering, performance

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/A
Since Rel. : A.08.12
Used In : namespace: opc
Search-Keys : opcuiwww, DoS protection, security, Java GUI

OPCUIWWW_KILL_APP

Description : Applies to starting tools and prevents hanging opcuiwww(s)
without Java GUI reconnect.
If enabled, opcuiwww will start a new thread that will close
application/tool opcuiwww(s) after specified timeout period.
Timeout is specified by variable OPCUIWWW_KILL_APP_TIMEOUT.
After the opcuiwww has been closed it will send a reply back
to Java GUI with status 2, which means "application timeout".

Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference
Since Rel. : 09.10.230
Used In : namespace: opc
Search-Keys : opcuiwww, Java GUI, tools

OPCUIWWW_KILL_APP_TIMEOUT

Description : Applies to starting tools and prevents hanging opcuwww(s) without Java GUI reconnect.
It specifies the timeout interval (in minutes) after which each started tool (opcuwww process) will be closed.

Type/Unit : integer

Default : 10

Documented : Administrator's Reference

Since Rel. : 09.10.230

Used In : namespace: opc

Search-Keys : opcuwww, Java GUI, tools

OPCUWWW_LIB_PATH

Description : Specifies library path to be exported as LD_LIBRARY_PATH when running opcuwww.

Type/Unit : string

Default : none

Documented : Release Notes

Since Rel. : 09.20.310

Used In : namespace: opc

Search-Keys : opcuwww, Oracle 12c

OPCUWWW_LOG_SIZE

Description : This parameter defines the size limit of opcuwww.sh.log. When opcuwww.sh.log reaches certain size, content is backuped in opcuwww.sh.log.old while opcuwww.sh.log is truncated to zero length.
Value is entered in kB (Kilobyte).
Minimum value is 1 (1 Kilobyte), upper limit isn't set.
Default value is 1024 (1 Megabyte = 1024 Kilobyte)

Type/Unit : integer

Default : 1024

Documented : N/A

Since Rel. : A.09.20

Used In : namespace: opc

Search-Keys : opcuwww, logging, maximum file size

OPCUWWW_MAX_CONNECTION

Description : Applies to DoS protection of opcuwww. Defines the maximum number of simultaneous connections to opcuwww - effectively

this is the maximum number of opcuwww processes that can be started. Effective together with DOS_ENABLED variable.

Type/Unit : integer
Default : 100
Documented : N/A
Since Rel. : A.08.12
Used In : namespace: opc
Search-Keys : opcuwww, DoS protection, security

OPCUIWWW_MPAS

Description : Defines whether opcuwww.mpas instead of opcuwww is run by opcuwww.sh on HP-UX. opcuwww.mpas is build with MPAS address space model and can use up to 4G

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.10.240
Used In : namespace: opc
Search-Keys : opcuwww, MPAS, memory, HP-UX only

OPCUIWWW_MSG_CHUNK_MODE

Description : Messages from opcuwww 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 : N/A
Since Rel. : A.08.35.010
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, performance

OPCUIWWW_MSG_CHUNK_SIZE

Description : Number of messages sent in a single chunk.

Type/Unit : integer
Default : 1000
Documented : N/A
Since Rel. : A.08.35.010
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, performance

OPCUIWWW_NEW_MSG_NO_DB

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

Type/Unit : bool

Default : TRUE

Documented : Administrator's Reference

Since Rel. : A.08.22

Used In : namespace: opc

Search-Keys : opcuiwww, Java GUI, performance

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.

Type/Unit : string

Default : FALSE (A.06.00), TRUE (A.07.10)

Documented : N/A

Since Rel. : A.06.01

Used In : namespace: opc

Search-Keys : opcuiwww, Java GUI, responsibility, service, message

OPCUIWWW_NO_LDAP

Description : If OPC_USE_PAM_AUTH is set to TRUE, opcuiwww.sh uses by default opcuiwww.ldap which is linked with LDAP and Kerberos libraries

instead of the regular opcuwww. However, these system LDAP libraries can clash with the Oracle LDAP functions if LDAP is used with Oracle.
For cases where PAM is used, but not with LDAP nor Kerberos, this config setting was introduced. By setting OPCUIWWW_NO_LDAP to TRUE, the regular opcuwww is used even though OPC_USE_PAM_AUTH is set to TRUE.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.20.310
Used In : namespace: opc
Search-Keys : opcuwww, authentication, security, Java GUI, Administration UI,

OPCUWWW_ONE_CONNECTION

Description : Applies to DoS protection of opcuwww. Defines the maximum number of connections to opcuwww from a single host. Effective together with DOS_ENABLED variable.
Type/Unit : integer
Default : 30
Documented : N/A
Since Rel. : A.08.12
Used In : namespace: opc
Search-Keys : opcuwww, DoS protection, security, Java GUI

OPCUWWW_PORT

Description : The opcuwww port number as defined in /etc/services, ito-e-gui entry. Used by opcuhttps (Java GUI HTTPS communication proxy process) to start opcuwww processes.
Type/Unit : integer
Default : 2531
Documented : N/A
Since Rel. : A.08.14
Used In : namespace: opc.opcuhttps
Search-Keys : opcuhttps, HTTPS, Java GUI, port number

OPCUWWW_TIMEOUT

Description : Applies to DoS protection of opcuwww. 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 opcuwww logs an error and exits.
Effective together with DOS_ENABLED variable.

Type/Unit : integer (seconds)
Default : 5
Documented : N/A
Since Rel. : A.08.12
Used In : namespace: opc
Search-Keys : opcuwww, DoS protection, security, Java GUI

OPCUIWWW_USE_NEW_RESP_MATRIX_CODE

Description : If the value of OPCUIWWW_USE_NEW_RESP_MATRIX_CODE is set to TRUE, a different algorithm is used for loading messages when an operator logs in Java GUI. The algorithm reduces the time it takes for Java GUI to load messages with big responsibility matrix (the operator has several thousand nodes assigned to them). Note that this will have no effect if message view filters are used in JGUI or if message load policy is not set to static.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : 09.10.230
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, performance, responsibility, messages

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 : N/A
Since Rel. : A.08.30
Used In : namespace: opc
Search-Keys : opcmsgm, MoM, action signature, security

OPC_ACCEPT_CTRL_SWTCH_ACKN

Description : M2M message forwarding flag: Accept acknowledgement of a controlled message through a remote HPOM server.

Type/Unit : bool

Default : TRUE

Documented : N/A

Since Rel. : A.04.00

Used In : namespace: opc

Search-Keys : opcmsgm, MoM, message forwarding, acknowledgement

OPC_ACCEPT_CTRL_SWTCH_MSGS

Description : M2M message forwarding flag: Accept reception of a controlled message from a remote HPOM server.

Type/Unit : bool

Default : TRUE

Documented : N/A

Since Rel. : A.04.00

Used In : namespace: opc

Search-Keys : opcmsgm, MoM, message forwarding, duplicate message suppression

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 : Concepts Guide

Since Rel. : A.06.00

Used In : namespace: opc

Search-Keys : opcmsgm, MoM, message forwarding, duplicate message suppression

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 : N/A
Since Rel. : A.07.24
Used In : namespace: opc
Search-Keys : opcmsgm, MoM, message forwarding, message changes

OPC_ACCEPT_NOTIF_ACKN

Description : M2M message forwarding flag: Accept reception of an acknowledge request for a read-only message from a remote HPOM server.
Type/Unit : bool
Default : TRUE
Documented : N/A
Since Rel. : A.07.24
Used In : namespace: opc
Search-Keys : opcmsgm, MoM, message forwarding, read-only, acknowledge

OPC_ACCEPT_NOTIF_MSGS

Description : M2M message forwarding flag: Accept reception of a read-only message from a remote HPOM server.
Type/Unit : bool
Default : TRUE
Documented : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcmsgm, MoM, message forwarding, read-only

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 : Concepts Guide
Since Rel. : A.06.00
Used In : namespace: opc
Search-Keys : opcmsgm, MoM, message forwarding, message ownership

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 : N/A

Since Rel. : A.05.00

Used In : namespace: opc

Search-Keys : opcmsgm, opcack, opcuwww, opcackmsg, opcackmsg, opcactm, API

OPC_ACK_DUPLS_IF_NORMAL_MSG

Description : With this setting set to TRUE, only the behavior of handling messages of normal severity, which are according to the message key duplicates of messages of non-normal severities, is changed. When a new message of normal severity, that is according to message key a duplicate of a message of non-normal severity, is received, the following happens:

- instead of updating the duplicate count, the message of non-normal severity is acknowledged and
- the new message of normal severity goes straight to history.

This works even without any message key correlation being defined (if one is defined, it is ignored). For messages of normal severity that are not duplicates, the message key correlation works unchanged. For messages of non-normal severity, suppress/count duplicates with updating of text and severity works unchanged. Suppress and Count Duplicate Messages must be enabled for this setting to work.

Type/Unit : bool

Default : FALSE

Documented : N/A

Since Rel. : 09.10.210

Used In : namespace: opc

Search-Keys : opcmsgm, duplicate message suppression, message key relation

OPC_ACK_MOVE_INTERVAL

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

Type/Unit : int

Default : 7200

Documented : N/A

Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, opcdbmsgmv, performance

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 : N/A
Since Rel. : A.06.03
Used In : namespace: opc
Search-Keys : opcactm, gateway configuration, action, source IP

OPC_AGT_MULTI_INST

Description : Enables multiple instances of installation script (inst.sh) to run in parallel. Only one instance per node is allowed. Script locking is done per node name.

Type/Unit : boolean
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : inst.sh, agent installation, parallel

OPC_ALLOW_DUPLICATE_IP

Description : By default OMU will not allow to add a node to the node bank if a node with the same IP address already exists. However, in some service provider environments this is necessary. By setting OPC_ALLOW_DUPLICATE_IP to TRUE, OMU will allow duplicate IP addresses. The different nodes with the same IP address will need to be reached via HTTP proxy. See the HPOM Administrator's Reference for more information.

Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference

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Since Rel. : A.09.10
Used In : namespace: opc
Search-Keys : opcmsgm, ovoareqsdr, opcdispn, opcuwww, opcforwm, opcchgaddr,

OPC_ALWAYS_KEEP_CURRENT_POLICY_STATUS

Description : While distributing a policy to a node on which the policy was already distributed and disabled, the policy status will remain disabled by default only if the same version of the policy is being distributed. Setting OPC_ALWAYS_KEEP_CURRENT_POLICY_STATUS to TRUE will always cause the policy status to remain disabled even if a new version of the policy is distributed.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : 09.10.220
Used In : namespace: opc
Search-Keys : opcbbcdist, policy distribution, enable, disable

OPC_API_DONT_USE_AGT_POLTYPE

Description : Don't consider agent policy type when checking if a policy can be assigned to a policy group (opcpolicy won't allow to assign a policy to a policy group if a policy with the same name and same agent policy type is already assigned).

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.11.040
Used In : namespace: opc
Search-Keys : API, policy type, policy group, assignment

OPC_API_INSTRIF_TIMEOUT

Description : Timeout for an action to resolve an instruction interface in the opcmsg_get_instructions() API, which is used by the Web Services and OMi to get instructions from OMU.

Type/Unit : int
Default : 120
Documented : N/A
Since Rel. : 09.10.230

Used In : namespace: opc
Search-Keys : API, OMi, Web Services, instruction interface, timeout

OPC_API_NO_INSTR_IF

Description : Before version 9.10.230, the `opcmsg_get_instructions()` API did not resolve instruction interface instructions. This has been added with 9.10.230. Now the API will run the specified instruction interface action. By setting `OPC_API_NO_INSTR_IF` it is possible to get the old behavior (don't resolve instruction interface).

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.10.230
Used In : namespace: opc
Search-Keys : API, instruction interface

OPC_API_NO_NODE_DEL_ACK

Description : By default, the messages for a node are acknowledged when a node is deleted. If `OPC_API_NO_NODE_DEL_ACK` is set to TRUE, the messages for the node are not acknowledged when a node is deleted. This avoids lock conflicts between `opcmsgm` and `opcsvcdisc` (topo sync).

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.11.110
Used In : namespace: opc
Search-Keys : API

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 : N/A

Since Rel. : A.07.26
Used In : namespace: opc
Search-Keys : opcmsgm, service name, MSI

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 : Administrator's Reference
Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : opcmsgm, buffering messages, outage

OPC_BBCDIST_RETRY_INTERVAL

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

Type/Unit : int, second
Default : 1800
Documented : N/A
Since Rel. : A.08.00
Used In : namespace: opc
Search-Keys : opcbbcdist, distribution, retry interval, performance

OPC_CFGDWN_OMIT_VIRTUAL_GROUP_DOWNLOAD

Description : If OPC_CFGDWN_OMIT_VIRTUAL_GROUP_DOWNLOAD is set to FALSE, information about physical nodes will also be included in the download data for virtual nodes selected for download.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : A.09.10
Used In : namespace: opc
Search-Keys : opccfgdwn, virtual node, configuration download

OPC_CFGUPLD_BLOCK_RETRY

Description : All config APIs are blocked when opccfgupld is running.
This variable controls blocking mode, which can be:

1: exit immediately with error if opccfgupld is running

N: repeat N times before exiting with error,

-1: repeat indefinitely - wait until opccfgupld finishes then perform API operation.

Type/Unit : integer
Default : 1 (OMU9)
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : opcuwww, API, opccfgupld, configuration upload, block, retry

OPC_CFGUPLD_ONLINE_SVC_UPDATE

Description : Enable online update of service engine configuration.
If the value of OPC_CFGUPLD_ONLINE_SVC_UPDATE is set to TRUE, service engine configuration (services and service logging) is updated online, without having to restart the service engine (opcsvcm).

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : 09.10.200
Used In : namespace: opc
Search-Keys : opcsvcm, opccfgupld, service engine, online update,

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 : N/A

Since Rel. : A.07.00
Used In : namespace: opc
Search-Keys : opcagtdbcfg, opccfgupl, ASCII, L10N, character set

OPC_CFG_INTEG_TIMEOUT

Description : Default timeout in seconds for each integration program execution from opccfgupld and opccfgdwn processes. A value of 0 means that there is no timeout set. If set into opc.opccfgupld or opc.opccfgdwn namespace the timeout will be set only for opccfgupld or opccfgdwn processes respectively instead for both processes.

Type/Unit : int , second
Default : 60
Documented : N/A
Since Rel. : 09.10.250
Used In : namespace: opc
Search-Keys : opccfgupld, opccfgdwn, configuration upload, configuration download,

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 : N/A
Since Rel. : A.08.29
Used In : namespace: opc
Search-Keys : logfile template, READFILE, Administration UI, syntax check,

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 <address>')
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 : N/A
Since Rel. : A.08.34
Used In : namespace: opc
Search-Keys : proxy, firewall, IP address, hostname, URI

OPC_CONFIG_CHANGE_SYNC

Description : Enables online config change sync between MoM servers. So far for the object types node, node group, and service, plus assignments like node -> node group.

Type/Unit : bool
Default : FALSE
Documented : Service Discovery and Topology Synchronization Guide
Since Rel. : 09.10.200
Used In : namespace: opc
Search-Keys : opcforwm, opscvcdisc, DMoM, online config change sync,

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.
If some (but not all) of the servers have the "count/suppress duplicates" setting enabled, count will be either too high or too low, depending on the setup.
This will not happen if all the servers have "count/suppress duplicates" enabled. In this case, servers won't forward the duplicate messages, just the change event for updating the duplicate message count. So, the message gets marked as duplicate regardless of which server it was sent to, and the count stays correct.

This setting is also prone to cause an increase in CPU usage, as more message comparisons need to be done. Depending on the server layout and the nature of the messages this may bring little benefit (few additional duplicated messages found), which

doesn't make up for the performance impact.

Performance of this setting may also be related to the number of agents in a follow-the-sun setup. In an environment in which most messages from an agent are always sent to the same server, OPC_COUNT_FORW_MESSAGES will be less efficient finding additional duplicates than in an environment where those messages are equally distributed among several servers.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.06.12
Used In : namespace: opc
Search-Keys : opcmsgm, message forwarding, duplicate message suppression

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 : N/A
Since Rel. : A.08.31
Used In : namespace: opc
Search-Keys : opcmsgm, duplicate message suppression and count, 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 : N/A
Since Rel. : A.08.29
Used In : namespace: opc.opccsad
Search-Keys : opccsad, CSA, certificate request, automation, timeout,

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 : Administrator's Reference
Since Rel. : A.08.35.010
Used In : namespace: opc
Search-Keys : opccsad, CSA, certificate request, IP address

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 : Administrator's Reference
Since Rel. : A.08.00
Used In : namespace: opc
Search-Keys : opccsad, CSA, certificate request, auto granting, agent

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 : Administrator's Reference
Installing HP Operations Agents Using Clone Images White Paper
Since Rel. : A.08.29
Used In : namespace: opc.opccsad
Search-Keys : opccsad, CSA, certificate request, automation

OPC_CSA_LINUX_X64_PLATFORM

Description : By default, certificate requests from Linux x64 nodes can not be automatically mapped if both MACH_BBC_LX26RPM_X64 and MACH_BBC_LX26DEB_X64 agent platforms are installed on the server.
If OPC_CSA_LINUX_X64_PLATFORM is set to "RPM" (default), then all such requests are mapped to MACH_BBC_LX26RPM_X64. If the value is set to "DEB", then they are mapped to MACH_BBC_LX26DEB_X64. For unrecognized values the selected platform is MACH_BBC_LX26RPM_X64.

Type/Unit : string
Default : RPM
Documented : N/A
Since Rel. : 09.10.240
Used In : namespace: opc
Search-Keys : opccsad, CSA, mapping Linux x86-x64, machine type

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 -1" 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 : Administrator's Reference
Installing HP Operations Agents Using Clone Images White Paper
Since Rel. : A.08.29
Used In : namespace: opc.opccsad
Search-Keys : opccsad, CSA, certificate request, automation, NAT

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 : Administrator's Reference
Installing HP Operations Agents Using Clone Images White Paper
Since Rel. : A.08.29
Used In : namespace: opc.opccsad
Search-Keys : opccsad, CSA, certificate request, automation

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 : Administrator's Reference

Since Rel. : A.08.00

Used In : namespace: opc

Search-Keys : opccsad, CSA, certificate request, auto granting, agent

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 : N/A

Since Rel. : A.08.22

Used In : namespace: opc

Search-Keys : opccsad, CSA, certificate request, hostname, URI

OPC_CSA_USE_OS_BITS

Description : Use additional information from a certificate request to unambiguously determine the correct machine type to use. This feature requires newer version of the agent installed on the management server. Note that the process will abort if this setting is set to TRUE and the version of the agent installed on the management server is too old.

Type/Unit : bool

Default : FALSE

Documented : N/A

Since Rel. : 09.10.230
Used In : namespace: opc
Search-Keys : opccsad, CSA, certificate request, machine type

OPC_CUSTPROC1_LOG

Description : logging for opccustproc1 process
Type/Unit : boolean
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.07.12
Used In : namespace: opc
Search-Keys : opccustproc1, logging, service attribute

OPC_CUSTPROC1_MOM_FORWARD

Description : flexible management for opccustproc1 process
Type/Unit : boolean
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.07.12
Used In : namespace: opc
Search-Keys : opccustproc1, MoM, forwarding, CMA

OPC_CUSTPROC1_REMOTE_HOSTS

Description : comma separated list of remote hosts for opccustproc1 process
Type/Unit : string
Default : ""
Documented : N/A
Since Rel. : A.07.12
Used In : namespace: opc
Search-Keys : opccustproc1, remote host, service, attribute

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 (which includes all areas, except PSQL area, which has a special meaning - see below).

Values:

ACTM,APPLMGR,ATTR,BLKTRF,BUFFILE,BUFMGR,CFGP,CMA,
CMDSEQ,CMM,CMR,COMM,COMMLK,CONF,CTLA,CTLA-API,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,NTLSA,NTPRF,
OPCPWD,PCTL,PERF,PIDF,PING,PROC,PROXY,PSQL,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

PSQL area is used for collecting PostgreSQL native trace into the server trace file. Use this area with caution as it can result in process aborts while disabling tracing. To prevent aborts remove "PSQL" from OPC_DBG_AREA setting before tracing is disabled.

Example:

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

Type/Unit : string
Default : (not set)
Documented : N/A
Since Rel. : A.04.00
Used In : namespace: eaagt, opc
Search-Keys : logging, trace, audit, area, debug

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 : N/A
Since Rel. : A.05.30
Used In : namespace: eaagt, opc
Search-Keys : logging, trace, audit, area, exclude, debug

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,opcmsgd

Type/Unit : string

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

Documented : Administrator's Reference
Installing HP Operations Agents Using Clone Images White Paper

Since Rel. : A.04.00

Used In : namespace: eaagt, opc

Search-Keys : logging, trace, audit, processes, debug

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 : N/A

Since Rel. : A.06.00

Used In : namespace: opc

Search-Keys : opccfgupld, case sensitive, node name, configuration upload

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 : N/A

Since Rel. : A.05.00

Used In : namespace: opc

Search-Keys : configuration, holding area, node hierarchy, API

OPC_DEPLOY_IF_CALLBACK_FAILS

Description : By default, if the deploy callback fails, policy will be

deployed anyway, but a message will be logged into the System.txt. One message notifying the user that at least one of callbacks has failed will be sent to the message browser.

If the value of config. setting OPC_DEPLOY_IF_CALLBACK_FAILS is set to FALSE, policy will not be deployed to the managed node if deploy callback fails. In that case, error will be logged into System.txt and one message will be sent to the Msg. browser at the end of policy deployment regardless of how many policies were not deployed.

Type/Unit : boolean
Default : TRUE
Documented : Concepts Guide
Since Rel. : A.09.10
Used In : namespace: opc
Search-Keys : opcbcdist, policy, deployment, callback

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 : N/A
Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : opcmsgm, opckack, opcuwww, opckackmsg, opckackmsg, opckactm,

OPC_DISABLE_AUTOEXTEND

Description : If TRUE, opcadddbf creates non-autoextend database files.
Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.04.00
Used In : namespace: opc

Search-Keys : opcaddbf, oracle only, tablespace, autoextend

OPC_DISABLE_IP_MAPPING_TABLE

Description : If TRUE, 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 it may lead to additional name resolution if a message for a node is received that was not found in the node list.

Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.08.27
Used In : namespace: opc
Search-Keys :

OPC_DIST_OMIT_ERROR_AGT_NOT_INST

Description : If OPC_DIST_OMIT_ERROR_AGT_NOT_INST is set to FALSE, an error message is logged to System.txt and sent to message browser if configuration is distributed to a node where agent software is not marked as installed.

Type/Unit : boolean
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.09.10
Used In : namespace: opc
Search-Keys : opcbcdist, distribution, error, logging

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 : N/A
Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : opcdispm, API, server, process, startup, timeout

OPC_DONT_EMPTY_NS_CACHE

Description : Do not empty the name service cache in opcmsgm 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/A
Since Rel. : A.08.35.010; A.09.10
Used In : namespace: opc
Search-Keys : opcmsgm, name service, name resolution, cache

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.

NOTE: This config setting works well in a pure OMU to OMU message forwarding environment. But it should not be used if you're also forwarding messages to OMi. Depending on the OMi version, the OMi message key correlation does not handle all pattern the same and thus messages may be acknowledged in OMU but not in OMi.

Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.07.21
Used In : namespace: opc
Search-Keys : opcmsgm, MoM, forwarding, message key, acknowledge, annotation,

OPC_DONT_LOG_REUSED_COREIDS

Description : Switch off the detection of duplicate used core IDs.
By default the system info data (sent once per day per agent) is compared against some data in the DB for that node (FQDN, IP addr, MAC addr). If all that data is different it's assumed that a core ID was accidentally reused, e.g. when cloning a system with an OM agent installed.
Warning OpC40-665 doesn't come if this setting is TRUE.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.09.10
Used In : namespace: opc
Search-Keys : opcmsgm, CoreID, node, agent, logging

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 : N/A
Since Rel. : A.08.31
Used In : namespace: opc
Search-Keys : opcmsgm, \$OPC_MGMTSV, forwarding, action

OPC_DO_ACTION_SIGNATURE_CHECK_FOR_ALL_NODES

Description : If this variable is set to FALSE, opcmsgm 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, opcmsgm omits the check for node communication type and goes directly to the next step.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.08.00
Used In : namespace: opc
Search-Keys : opcmsgm, 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 : N/A
Since Rel. : A.08.00
Used In : namespace: opc
Search-Keys : opcmsgm, 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 : N/A
Since Rel. : A.08.00
Used In : namespace: opc
Search-Keys : opcmsgm, action, signature, forward message

OPC_DUMMY_IP_RANGE

Description : If the HPOM 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 : Administrator's Reference
Since Rel. : A.08.00

Used In : namespace: opc
Search-Keys : ovoareqsdr, DHCP, IPCE, IP range, resolve IP, IP address

OPC_DUPL_ANNO_ONLY_IF_CHANGED

Description : If OPC_UPDATE_DUPLICATED_MSGTEXT and/or OPC_UPDATE_DUPLICATED_SEVERITY is set to LAST_MESSAGE (which is the default with HPOM 9.x), every duplicate will also create modify change events, even though neither severity nor text changed. If OPC_DUPL_ANNO_ONLY_IF_CHANGED is set to TRUE, a duplicate annotation is only added if either text or severity was changed.

Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference
Since Rel. : 09.10.210
Used In : namespace: opc
Search-Keys : opcmsgm, duplicate message suppression, annotation,

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 : N/A
Since Rel. : A.05.00
Used In : namespace: eaagt, opc
Search-Keys : opcecm, ECS

OPC_EMPTY_NS_CACHE

Description : When set to TRUE, the name service cache will be cleared every time a trace reconfiguration occurs. This is performed automatically after a configuration variable change or can be forced with "opcsv -trace" command. It is recommended that after a short time the variable is set back to FALSE in order to prevent possibly unwanted name service cache clearing.

Type/Unit : boolean

Default : FALSE
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : name resolution, cache

OPC_ENABLE_FWDCHAIN_FWDSENDER_CMA

Description : Enables automatic adding of FwdSender and FwdChain CMAs to forwarding messages. It must be set to TRUE on all management servers that are included in the forwarding mgmt server chain. All forwarded messages will automatically get additional two Custom Message Attributes when they reach the target server:
- FwdSender stands for management server that forwarded/sent this message. The value is the hostname of this management server.
- FwdChain stands for forwarding management servers chain. The value is in the following format:
Srv1->Srv2->...->SrvN

These CMAs can be visible in customized Java GUI Msg. browser. Note that these CMAs can be modified by opccmachg utility or in Java GUI, so operator should be careful when performing changes to such messages. If such forwarded message is changed, CMAs may not have the correct values any more on other servers. Note that such change on forwarded message is propagated on all mgmt servers in the chain.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : opcmsgm, MOM, forwarding, CMA

OPC_ESF_LOG_LEVEL

Description : Event Storm Filter logging level:
VERBOSE Full logging mode. All errors and HPOM msgs are logged.
SILENT Poor logging mode. Only error msgs are logged.
NORMAL Default logging level. Errors and HPOM msgs part of a storm are logged.

ESF log file: /var/opt/OV/share/tmp/OpC/esf/opcesf.log.

Type/Unit : string
Default : NORMAL
Documented : N/A
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : opcesf, ESF, logging, level

OPC_ESF_ONE_GATE

Description : Event Storm Filter matching gate mode:
TRUE One gate matched per event/message.
FALSE Multiple gates matched per event/message (default).

Type/Unit : boolean
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : opcesf, ESF, gate, match

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 : N/A
Since Rel. : A.06.00
Used In : namespace: eaagt, opc
Search-Keys : logging, trace, audit

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 : N/A
Since Rel. : A.06.16
Used In : namespace: opc
Search-Keys : opcmsgm, duplicate message suppression, automatic action

OPC_EXEC_ACTIONS_AT_STARTUP

Description : By default the HPOM 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 HPOM 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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcactm, actions, startup

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 HPOM name-resolution cache.

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

Type/Unit : string
Default :
Documented : N/A
Since Rel. : A.06.00
Used In : namespace: eaagt, opc
Search-Keys : logging, trace, audit

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 : N/A

Since Rel. : A.08.34

Used In : namespace: opc

Search-Keys : opcmsgm, MoM, forwarding, MSI, auto action

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 opcmsgm to trace file when executing the opcsv -trace command:

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

Type/Unit : string

Default :

Documented : N/A

Since Rel. : A.06.00

Used In : namespace: eaagt, opc

Search-Keys : logging, trace, audit

OPC_FILTERS_BY_LAYOUT_GRP_LABEL

Description : By default, node filters will filter messages by layout group name only. If the value of OPC_FILTERS_BY_LAYOUT_GRP_LABEL is set to TRUE, node filters will filter messages by layout group label also.

Type/Unit : boolean

Default : FALSE

Documented : N/A
Since Rel. : 09.10.240
Used In : namespace: opc
Search-Keys : layout group filter, filter, label filter

OPC_FORWARD_READONLY_MSGS

Description : If the value of OPC_FORWARD_READONLY_MSGS is set to TRUE, read-only messages can be forwarded.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : 09.10.210
Used In : namespace: opc
Search-Keys : opcuwww, MoM, read-only, forwarding

OPC_FORWM_MAX_BULK_SIZE

Description : Controls the size of the event bulk. If the variable is 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 (default = 100), 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
Documented : N/A
Since Rel. : A.08.23
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwardingh, bulk, performance

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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcmsgm, MoM, forwarding, trouble ticket

OPC_FORW_DISCARD_ALL_EVENTS

Description : If set to TRUE, all events - messages and message operations are not forwarded anymore and are just discarded from the forwmgrq queue file.
The setting will not affect any messages or message operations, which are already buffered in SnF.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.20.320
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding

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 : Concepts Guide
Since Rel. : A.04.00
Used In : namespace: opc

Search-Keys : opcmsgm, MoM, forwarding, read-only, notification, trouble ticket

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.

Type/Unit : bool

Default : FALSE

Documented : N/A

Since Rel. : A.07.25; A.08.14

Used In : namespace: opc

Search-Keys : ovoareqsdr, HBP, continous, error, polling, logging

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 : Administrator's Reference

Since Rel. : A.08.31

Used In : namespace: opc

Search-Keys : ovoareqsdr, HBP, double check

OPC_HBP_DOUBLE_CHECK_DELAY

Description : This allows to specify a delay between retries for the HBP double check for errors other than agent buffering and agent unreachable (e.g. opcmsga not running).

Type/Unit : int (seconds)

Default : 0 (no delay before double check)

Documented : N/A

Since Rel. : 09.10.220

Used In : namespace: opc

Search-Keys : ovoareqsdr, HBP, double check, delay

OPC_HBP_DOUBLE_CHECK_DELAY_BUFFER

Description : By default the HBP double check will not re-check for agent buffering errors. But if this config setting is set to a value greater 0, a re-check is done for agent buffering errors. Since the agent tries to send every 60 seconds, the delay for buffering should be at least 60, for example 90 seconds.

Type/Unit : int (seconds)

Default : 0 (no double check if agent is buffering)

Documented : Administrator's Reference

Since Rel. : 09.10.220

Used In : namespace: opc

Search-Keys : ovoareqsdr, HBP, double check, delay, buffering

OPC_HBP_DOUBLE_CHECK_DELAY_UNREACHABLE

Description : By default the HBP double check will not re-check if the agent is completely unreachable (because of networking timeouts it may take up to 5 Minutes for this check and with a retry that will be doubled to 10 Minutes). But by setting this config setting to a value greater than 0, it is possible to also re-check for this kind of heartbeat error.

Type/Unit : int (seconds)

Default : 0 (no double check if agent unreachable)

Documented : N/A

Since Rel. : 09.10.220

Used In : namespace: opc

Search-Keys : ovoareqsdr, HBP, double check, delay, unreachable

OPC_HBP_DOUBLE_CHECK_RETRIES

Description : Allow to configure the number of retries if OPC_HBP_DOUBLE_CHECK is set to TRUE.

Type/Unit : int

Default : 1

Documented : N/A

Since Rel. : 09.10.220

Used In : namespace: opc

Search-Keys : ovoareqsdr, HBP, double check, retries

OPC_HBP_NORMAL_START_MSG

Description : If set to TRUE, ovoareqsdr sends an "agent is now running" for each agent that is accessible when the server processes are started.

Type/Unit : bool

Default : FALSE

Documented : N/A

Since Rel. : A.07.25; A.08.14

Used In : namespace: opc

Search-Keys : ovoareqsdr, HBP, agent

OPC_HBP_STATUS_CHECK_TIME

Description : When opchbp -status is called ovoareqsdr prints status info to a file. This variable tells whether the info is 'timed out' and status file will be updated.

Type/Unit : int, seconds

Default : 300

Documented : N/A

Since Rel. : A.09.20

Used In : namespace: opc

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 : N/A

Since Rel. : A.04.11

Used In : namespace: opc

Search-Keys : ovoareqsdr, HBP, UDP, TCP

OPC_IF_READ_TIMEOUT

Description : This value defines the timeout interval in seconds for opcif_read() API. Note that setting this value to 0 (no timeout) might cause high CPU usage to the calling program. By default this setting is set to 10 seconds. See also opcif_open(), opcif_read() and opcif_close() API man pages.

Type/Unit : int
Default : 10 (sec)
Documented : N/A
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : opcif_read, opcif_open, opcif_close, MSI, API, timeout

OPC_IGNORE_ERROR_UNMONITORED_NODES

Description : By default "opcsw -installed -all" and "opcragt -status -all" give an error/warning for each node that is not "Controlled" or "Monitored". If OPC_IGNORE_ERROR_UNMONITORED_NODES is set to TRUE, no warning message is written. The node is simply ignored (just like an external node is silently ignored). If only one node was specified, opcsw and opcragt will still write an error.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.10.220
Used In : namespace: opc
Search-Keys : opcragt, opcsw, message suppression, ignore unmonitored

OPC_IGNORE_OWN_FLAG_FOR_RESP

Description : By default operators see messages owned by them even though their responsibility matrix has no relevant entries for nodes / node groups the messages belong to. By setting this variable to TRUE, message ownership status is not considered when determining if an operator should see the message or not.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : opcuwww, message ownership, responsibility

OPC_INSTALLATION_TIME

Description : Install time of agent or server.
Type/Unit : string
Default : Not set
Documented : Administrator's Reference

Since Rel. : A.01.00
Used In : namespace: eaagt, opc
Search-Keys : installation

OPC_INSTALLED_VERSION

Description : Version string of agent or server.
Type/Unit : string , values: A.VV.FF
Default : Not set
Documented : Administrator's Reference
Administration UI Help
Since Rel. : A.01.00
Used In : namespace: eaagt, opc
Search-Keys : installation, version, server, agent

OPC_INT_MSG_FLT

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

OPC_INT_MSG_FLT_AWS

Description : With this variable set to TRUE, HPOM 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 HPOM 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 : N/A
Since Rel. : A.07.26
Used In : namespace: eaagt, opc
Search-Keys : opcmsgm, filtering, message interceptor, internal messages

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 : Administrator's Reference
Since Rel. : A.08.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, DHCP, IPCE, IP configuration, change event, interval

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 : Administrator's Reference
Since Rel. : A.08.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, DHCP, IPCE, IP configuration, change event, interval,

OPC_IPV6_ACTIVE

Description : Enable IPv6 support.
Type/Unit : boolean
Default : FALSE
Documented : Administrator's Reference
Since Rel. : 09.10.200
Used In : namespace: opc

Search-Keys : IPv6

OPC_IP_ADDRESS

Description : IP addresses of managed nodes are maintained as identifiers on the HPOM 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 HPOM Administration UI which populate the eaagt namespace. Should NOT change this setting on the node itself using `ovconfchg -ns eaagt -set <variable name> <value>`

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 : N/A

Since Rel. : A.03.00

Used In : namespace: eaagt, opc

Search-Keys : IP, IP configuration

OPC_JGUI_ALLOWED_HOSTNAME

Description : Defines Java GUI hostname(s) that are allowed to connect to the management server. Multiple hostnames should be separated with ',' or ':'. Whitespace is trimmed. Hostnames can be in the following forms:

- full hostname (e.g. machine.domain.com)
- short hostname (e.g. machine)
- IP address (e.g. 10.20.30.40)
- IP pattern (e.g. 10.20.30.*, 10.20.*.*, *.*.*., etc.)

NOTE: If OPC_JGUI_ALLOWED_HOSTNAME is defined, then OPC_JGUI_DENIED_HOSTNAME is ignored.

Typical values:
machine.domain.com, machine, 10.20.30.* (3 allowed hostnames)

Type/Unit : string

Default : none

Documented : Administrator's Reference

Since Rel. : A.09.20

Used In : namespace: opc

Search-Keys : Java GUI, security, hostname

OPC_JGUI_ALLOWED_OPERATOR

Description : Defines Java GUI operator(s) that are allowed to connect to the management server.
Multiple operators should be separated with ',' or ':'.
Whitespace is trimmed.
NOTE: If OPC_JGUI_ALLOWED_OPERATOR is defined, then OPC_JGUI_DENIED_OPERATOR is ignored.

Typical values:
opc_op, opc_adm, op1 (3 allowed operators)

Type/Unit : string
Default : none
Documented : Administrator's Reference
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : Java GUI

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 : N/A
Since Rel. : A.08.22
Used In : namespace: opc
Search-Keys : Java GUI, backup management server

OPC_JGUI_BACKUP_SRV

Description : Comma-separated list of two or more backup HPOM 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 : Administrator's Reference
Since Rel. : A.08.21
Used In : namespace: opc
Search-Keys : Java GUI, backup management server, reconnect

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 : Administrator's Reference

Since Rel. : A.08.14

Used In : namespace: opc

Search-Keys : Java GUI, operator, security, global configuration

OPC_JGUI_CUSTOM_LINK_PROTOCOLS

Description : Defines custom URL protocols in messages that are opened with internal or external web browser in Java GUI. Multiple protocols should be separated with ',' or ':'.

Typical values:

prot,file:exp2 (three new protocols: prot, file and exp2)

Type/Unit : string

Default : none

Documented : N/A

Since Rel. : 09.10.220

Used In : namespace: opc

Search-Keys : Java GUI, hyperlink, message, URI

OPC_JGUI_DENIED_HOSTNAME

Description : Defines Java GUI hostname(s) that are not allowed to connect to the management server. Multiple hostnames should be separated with ',' or ':'.

Whitespace is trimmed.

Hostnames can be in the following forms:

- full hostname (e.g. machine.domain.com)
- short hostname (e.g. machine)
- IP address (e.g. 10.20.30.40)
- IP pattern (e.g. 10.20.30.*, 10.20.*.*, *.*.*., etc.)

NOTE: If OPC_JGUI_ALLOWED_HOSTNAME is defined, then OPC_JGUI_DENIED_HOSTNAME is ignored.

Typical values:

machine.domain.com, machine, 10.20.30.* (3 denied hostnames)

Type/Unit : string

Default : none

Documented : Administrator's Reference
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : Java GUI, security, hostname

OPC_JGUI_DENIED_OPERATOR

Description : Defines Java GUI operator(s) that are not allowed to connect to the management server. Multiple operators should be separated with ',' or ':'.
Whitespace is trimmed.
NOTE: If OPC_JGUI_ALLOWED_OPERATOR is defined, then OPC_JGUI_DENIED_OPERATOR is ignored.

Typical values:
opc_op, opc_adm, op1 (3 denied operators)

Type/Unit : string
Default : none
Documented : Administrator's Reference
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : Java GUI, security, operator

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 HPOM server)

Type/Unit : string
Default : none
Documented : Administrator's Reference
Since Rel. : A.08.12 (server); A.08.13 (JGUI)
Used In : namespace: opc
Search-Keys : Java GUI, global configuration, Unix, non-Windows

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 HPOM server)

Type/Unit : string
Default : none
Documented : Administrator's Reference
Since Rel. : A.08.12 (server); A.08.13 (JGUI)
Used In : namespace: opc
Search-Keys : Java GUI, global configuration, Windows

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 : N/A
Since Rel. : A.07.16
Used In : namespace: opc
Search-Keys : opcuwww, opcack, opcunack, API, Java GUI, performance, messages

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 : N/A
Since Rel. : A.08.27
Used In : namespace: opc
Search-Keys : Java GUI, operator, history browser, security

OPC_JGUI_HTTPS_KEEPALIVE

Description : Defines if "keepalive" mechanism is enabled. If set to TRUE keepalive will be enabled so it should prevent closing connection while server is processing messages and filters.

Type/Unit : bool

Default : FALSE

Documented : N/A

Since Rel. : 09.10.240

Used In : namespace: opc

Search-Keys : Java GUI, keep alive

OPC_JGUI_HTTPS_KEEPALIVE_INTERVAL

Description : Defines interval of "keepalive" timer in seconds.

Type/Unit : integer

Default : 30

Documented : N/A

Since Rel. : 09.10.240

Used In : namespace: opc

Search-Keys : Java GUI, keep alive, interval

OPC_JGUI_INTERNBRW_DISABLED

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

Values:

- ACTIVEX - ActiveX web browser is disabled
- NONE - Internal web browsers are allowed

Type/Unit : string

Default : none

Documented : N/A

Since Rel. : A.08.30

Used In : namespace: opc

Search-Keys : Java GUI, internal browser, security

OPC_JGUI_MINIMAL_VER

Description : Comma-separated list of minimal Java GUI versions, which are allowed to connect to the HPOM management server.

First specified version in the list must not contain internal version.
See also OPC_JGUI_RECOMMENDED_VER.

Type/Unit : string
Default : none
Documented : Administrator's Reference
Since Rel. : A.08.27
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, version

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 HPOM'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 : Administrator's Reference
Since Rel. : A.08.24
Used In : namespace: opc
Search-Keys : Java GUI, message group icon

OPC_JGUI_RECOMMENDED_VER

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

Type/Unit : string
Default : none
Documented : Administrator's Reference

Since Rel. : A.08.27
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, version

OPC_JGUI_RECONNECT_FROM_GLOB_SETT

Description : If the value of OPC_JGUI_RECONNECT_FROM_GLOB_SETT is set to TRUE, parameters `reconnect_interval`, `reconnect_timeout` can be used in global `itooopc` file.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : Java GUI, reconnect, global configuration

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 : Administrator's Reference
Since Rel. : A.08.21
Used In : namespace: opc
Search-Keys : Java GUI, reconnect, retries

OPC_JGUI_SEV_CN

Description : Sets custom severities labels for Chinese locale.
OPC_JGUI_SEV_CN must have value that consists of exactly six desired severity labels separated by comma(",").
Values of these new labels must be in this specific order: UNKNOWN, NORMAL, WARNING, MINOR, MAJOR, CRITICAL (order by severity importance is mandatory for severity label to have correct meaning). If user does not want to change one or more severity labels, character "?" can be used insted of custom severity label. To use custom severity label that contains blanks (whitespaces), whole severity XPL variable value must be inside quotes.

Type/Unit : string
Default : none

Documented : N/A
Since Rel. : 09.10.220
Used In : namespace: opc
Search-Keys : Java GUI, L10N

OPC_JGUI_SEV_EN

Description : Sets custom severities labels for English locale.
OPC_JGUI_SEV_EN must have value that consists of exactly six desired severity labels separated by comma(","). Values of these new labels must be in this specific order: UNKNOWN, NORMAL, WARNING, MINOR, MAJOR, CRITICAL (order by severity importance is mandatory for severity label to have correct meaning). If user does not want to change one or more severity labels, character "?" can be used insted of custom severity label. To use custom severity label that contains blanks (whitespaces), whole severity XPL variable value must be inside quotes.

Type/Unit : string
Default : none
Documented : Administrator's Reference
Since Rel. : 09.10.220
Used In : namespace: opc
Search-Keys : Java GUI, L10N

OPC_JGUI_SEV_ES

Description : Sets custom severities labels for Spanish locale.
OPC_JGUI_SEV_ES must have value that consists of exactly six desired severity labels separated by comma(","). Values of these new labels must be in this specific order: UNKNOWN, NORMAL, WARNING, MINOR, MAJOR, CRITICAL (order by severity importance is mandatory for severity label to have correct meaning). If user does not want to change one or more severity labels, character "?" can be used insted of custom severity label. To use custom severity label that contains blanks (whitespaces), whole severity XPL variable value must be inside quotes.

Type/Unit : string
Default : none
Documented : N/A
Since Rel. : 09.10.220
Used In : namespace: opc
Search-Keys : Java GUI, L10N

OPC_JGUI_SEV_JA

Description : Sets custom severities labels for Japanese locale.
OPC_JGUI_SEV_JA must have value that consists of exactly six desired severity labels separated by comma(","). Values of these new labels must be in this specific order: UNKNOWN, NORMAL, WARNING, MINOR, MAJOR, CRITICAL (order by severity importance is mandatory for severity label to have correct meaning). If user does not want to change one or more severity labels, character "?" can be used insted of custom severity label. To use custom severity label that contains blanks (whitespaces), whole severity XPL variable value must be inside quotes.

Type/Unit : string
Default : none
Documented : N/A
Since Rel. : 09.10.220
Used In : namespace: opc
Search-Keys : Java GUI, L10N

OPC_JGUI_SEV_KO

Description : Sets custom severities labels for Korean locale.
OPC_JGUI_SEV_KO must have value that consists of exactly six desired severity labels separated by comma(","). Values of these new labels must be in this specific order: UNKNOWN, NORMAL, WARNING, MINOR, MAJOR, CRITICAL (order by severity importance is mandatory for severity label to have correct meaning). If user does not want to change one or more severity labels, character "?" can be used insted of custom severity label. To use custom severity label that contains blanks (whitespaces), whole severity XPL variable value must be inside quotes.

Type/Unit : string
Default : none
Documented : N/A
Since Rel. : 09.10.220
Used In : namespace: opc
Search-Keys : Java GUI, L10N

OPC_JGUI_TOOLS_FREQUENCY_ENABLED

Description : If enabled, the number of most frequently used tools can be

set in the Preferences dialog on General tab.

Values:

TRUE - Feature is enabled

FALSE - Feature is disabled

Type/Unit : bool
Default : TRUE
Documented : N/A
Since Rel. : 09.10.152
Used In : namespace: opc
Search-Keys : Java GUI, tools

OPC_JGUI_VER_DOWNLOAD_URL

Description : Specifies URL location for downloading Java GUI. It is used in version control startup warning/error dialogs. The value can be any valid URL location that is opened with external web browser.

Typical values:

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

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

X:\Shared\JavaUI (mounted windows location)

Type/Unit : string
Default : none
Documented : Administrator's Reference
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : Java GUI, download, URL

OPC_JGUI_WEBBRW_APPL_RESULT

Description : If enabled, HTML output from the HPOM 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
Documented : N/A
Since Rel. : A.08.25
Used In : namespace: opc
Search-Keys : Java GUI, application, output, HTML, web browser

OPC_KILL_OPCUIWWW

Description : If this flag is set to TRUE, every time opcsv -stop is called or ovoareqsdr is being stopped, the disable_java_gui script is called and all running opcuiwww processes are killed. This configuration setting is applicable only when non-HTTPS Java GUI is used. HTTPS based Java GUI has its own mechanism to stop opcuiwww and this configuration setting is not needed. From version OMU 9 this setting is a replacement for OPC_OPCCTLM_KILL_OPCUIWWW (see above).

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, opcuiwww, Java GUI, stop, disable_java_gui,

OPC_LOGONLY_OUTAGE_SKIP_MSI

Description : If this parameter is set to TRUE, messages, which are marked as log only due to configuration in the outage file, will not be sent to MSI. By default the log only messages are sent to MSI, if MSI is configured.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : 09.10.230
Used In : namespace: opc
Search-Keys : opcmsgm, messages, outage, MSI

OPC_LOG_DROPPED_MSGS

Description : If TRUE, HPOM logs all dropped message errors (OpC40-648 and OpC40-649) to System.txt file. HPOM discards messages received from nodes, which are not managed by HPOM 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 : N/A

Since Rel. : A.08.34
Used In : namespace: opc
Search-Keys : opcmsgm, logging, discard messages

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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcactm, actions, startup

OPC_MAX_DUPL_ANNO

Description : Configure the maximum number of annotations that are added for the count and suppress duplicate feature. Maximal value for this variable is 99999 because of database limitation. If some greater value is set, that value will be ignored and value 99999 will be used instead. If set to 0, maximum number of duplicate message annotations is set to 99999.
Type/Unit : int
Default : 0 (same as 99999)
Documented : Administrator's Reference
Since Rel. : A.06.14; A.07.12
Used In : namespace: opc
Search-Keys : opcmsgm, duplicate message suppression, annotations

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 : N/A
Since Rel. : A.07.27; A.08.23
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, maximum, limit

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 : N/A

Since Rel. :

Used In : namespace: opc

Search-Keys : opcqchk, opcsvqchk, limit, message size

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 HP-UX 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 : N/A

Since Rel. : A.06.01

Used In : namespace: opc

Search-Keys : free port, retries

OPC_MGMTSV_CHARSET

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

Type/Unit : string

Default : iso88591

Documented : Administrator's Reference

Since Rel. :

Used In : namespace: eaagt, opc

Search-Keys : configuration, character set

OPC_MGMTSV_IPADDR_ON_LOAD_BALANCER

Description : Used for load balancer environments where one or more management servers are hidden behind a single virtual address hosted on the load balancer. The setting is needed for action execution. In case the agents can access the virtual address of the mgmt server(s) but not their physical address(es), any actions triggered from the server would hang. That's because the agent tries to send back the response to the "physical" server address. This setting must contain the IP address string in dot-notation of the virtual server address as it is known on the agents. See also OPC_MGMTSV_NAME_ON_LOAD_BALANCER which must be set together with this setting.
Config changes can be done at runtime.
Example: server A and B are behind a load balancer which also acts as firewall. Both servers constitute a server pool with the virtual address myvirt.mycom.com IP 10.2.3.4. Agents use therefore myvirt.mycom.com for sec.core.auth:MANAGER OPC_MGMT_IPADDR_ON_LOAD_BALANCER must be "10.2.3.4"

Type/Unit : string
Default : ""
Documented : N/A
Since Rel. : 09.10.230
Used In : namespace: opc
Search-Keys : opcactm, load balancer

OPC_MGMTSV_NAME_ON_LOAD_BALANCER

Description : Used for load balancer environments where one or more management servers are hidden behind a single virtual address hosted on the load balancer. The setting is needed for action execution. In case the agents can access the virtual address of the mgmt server(s) but not their physical address(es), any actions triggered from the server would hang. That's because the agent tries to send back the response to the "physical" server address. This setting must contain the fully qualified hostname of the virtual server address as it is known on the agents. See also OPC_MGMTSV_IPADDR_ON_LOAD_BALANCER which must be set together with this setting.
Config changes can be done at runtime.
Example: server A and B are behind a load balancer which also acts as firewall. Both servers constitute a server pool with the virtual address myvirt.mycom.com IP 10.2.3.4. Agents use therefore myvirt.mycom.com for sec.core.auth:MANAGER OPC_MGMT_NAME_ON_LOAD_BALANCER must be "myvirt.mycom.com"

Type/Unit : string
Default : ""
Documented : High Availability Through Server Pooling White Paper
High Availability Through Server Pooling

Since Rel. : 09.10.230
Used In : namespace: opc
Search-Keys : opcactm, load balancer

OPC_MGMT_SERVER

Description : Fully qualified hostname of the system hosting the HPOM management server.
Type/Unit : string
Default : unknown (set at installation time)
Documented : Administrator's Reference Installation Guide
Since Rel. : A.01.00
Used In : namespace: eaagt, opc
Search-Keys : server hostname, configuration

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 : N/A
Since Rel. : A.07.24; A.08.12
Used In : namespace: opc
Search-Keys : opcmsgm, reset messages, opcmona

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 or an empty string (see also OPC_USE_OPC_FOR_UNSET_ACK_OP).

Type/Unit : bool

Default : FALSE

Documented : N/A

Since Rel. : A.06.16

Used In : namespace: opc

Search-Keys : opcforwm, MoM, forwarding, Java GUI performance, acknowledgement

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 : N/A

Since Rel. : A.08.34

Used In : namespace: opc

Search-Keys : opcmsgm, MoM, forwarding, OvCoreId sync

OPC_MSGKEY_MODIFY_TEXT

Description : Messages (text) produced by Advanced monitoring policy can be automatically pre-fixed as follows:
If OPC_MSGKEY_MODIFY_TEXT is set to TRUE (default is FALSE), the message text will be automatically modified depending on on the state of the monitored variable. For initial message, text "START: " will be added to the beginning of the message text, while for continued (SETCONT) and end message (SETEND), text "CONT: " and "RESET: " will be added, respectively.

Type/Unit : boolean

Default : FALSE

Documented : N/A

Since Rel. : A.09.10
Used In : namespace: opc
Search-Keys : advanced monitor policy, message text, message key

OPC_MSGOWN_ANNO

Description : Add annotation about the message ownership
Type/Unit : boolean
Default : false
Documented : N/A
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : opcdispn, message annotation, message ownership, performance

OPC_MSG_BULK_INSERT_RATE

Description : Central performance improvement feature. Specifies the maximum number of messages that can be added to the DB in one block. Should be set as multiples of 100. Good results have been achieved with a setting of 1000. Takes as many messages from the opcmsgm-input queues as available until the configured value is reached.
Type/Unit : int
Default : 100
Documented : Administrator's Reference
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : opcmsgm, performance

OPC_MSG_FLT_EXCLUDE_SVC

Description : If set to TRUE, HPOM-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 : N/A
Since Rel. : A.07.27; A.08.25
Used In : namespace: eaagt, opc
Search-Keys : opcmsgm, service name, filtering, internal messages

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 : N/A
Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : opcuwww, opcack, opcunack, API, loading messages, performance

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 `opcmsgm`. 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/A
Since Rel.	: A.08.27
Used In	: namespace: opc
Search-Keys	: <code>opcmsgm</code> , message operations, buffering

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 HPOM 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 : Correlation Composer Guide
Since Rel. : A.05.00
Used In : namespace: eaagt, opc
Search-Keys : opcmsgm, API, MSI, message ID

OPC_NAMESRV_CACHE_SIZE

Description : HPOM 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
Documented : Administrator's Reference
Since Rel. : A.05.00
Used In : namespace: eaagt, opc
Search-Keys : performance, name resolution, name service cache

OPC_NAMESRV_DISABLE_CACHE

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

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : performance, name resolution, name service cache

OPC_NAMESRV_EXPIRE_MODE

Description : defines what to do with expired name service cache entries.

See OPC_NAMESRV_TTL for details.
Values can be DISCARD (default) or REFRESH.

Type/Unit : string
Default : DISCARD
Documented : N/A
Since Rel. : A.09.10
Used In : namespace: opc
Search-Keys : performance, name resolution, name service cache

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
Documented : Administrator's Reference
Since Rel. : A.05.33
Used In : namespace: eaagt, opc
Search-Keys : performance, name resolution, name service cache

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
Documented : Administrator's Reference
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : performance, name resolution, name service cache, retries

OPC_NAMESRV_TTL

Description : TTL-value (time-to_live) for entries in the OMU name service cache. If the TTL is expired for a node, the entry will be discarded or refreshed dependent on OPC_NAMESRV_EXPIRE_MODE (by default discard).
This setting can be useful in environments where DNS entries frequently change.

Type/Unit : int, seconds
Default : 0 (switched off)
Documented : N/A
Since Rel. : A.09.10
Used In : namespace: opc
Search-Keys : performance, name resolution, name service cache

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, dblink (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 : N/A
Since Rel. : A.08.21
Used In : namespace: opc
Search-Keys : opcmsgm, name resolution, configuration

OPC_NON_ROOT_USE_SUID

Description : It is now possible to use SUID permissions instead of capabilities so that opcnonrootsetup.sh can be used if the file systems are NFS mounted.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.20.320
Used In : namespace: opc
Search-Keys : Server non-root installation, Server non-root configuration

OPC_NOTIFICATION_LOGONLY

Description : If set to TRUE, it enables the HPOM 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 HPOM GUI has to be restarted.

Type/Unit : bool

Default : FALSE

Documented : N/A

Since Rel. : A.08.27

Used In : namespace: opc

Search-Keys : opcmsgm, configuraion, notification service

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 command:

```
# ovconfchg -ovrg server -ns opc -set \  
OPC_NOTIF_WHEN_DUPLICATE TRUE  
# ovconfchg -ovrg server -ns opc -set \  
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 : N/A

Since Rel. : A.06.09

Used In : namespace: opc

Search-Keys : opcmsgm, duplicate message suppression, notification service

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 : N/A

Since Rel. : A.06.16
Used In : namespace: opc
Search-Keys : opcmsgm, notification service, unbuffer

OPC_NO_ACK_VIA_CORR_IF_OWNED

Description : If the value of OPC_NO_ACK_VIA_CORR_IF_OWNED is set to TRUE, owned messages are not acknowledged automatically by means of message key relation.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : 09.10.200
Used In : namespace: opc
Search-Keys : opcmsgm, message key relation, acknowledge

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 : N/A
Since Rel. : A.06.12
Used In : namespace: opc
Search-Keys : opcnode, API, name service

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 : N/A
Since Rel. : A.06.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP

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 : N/A
Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : opccfgupld, node hierarchies, configuration upload

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 : N/A
Since Rel. : A.06.13; A.07.11
Used In : namespace: opc
Search-Keys : opcmsgm, message correlation, message annotation, performance

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 : N/A
Since Rel. : A.07.23
Used In : namespace: eaagt, opc
Search-Keys : opcmsgm, filtering, internal messages, message interceptor

OPC_ONE_LINE_MSG_FORWARD

Description : M2M message forwarding: A HPOM server does not inform all other HPOM 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.

The OPC_ONE_LINE_MSG_FORWARD setting changes how a manager forwards messages to other servers. Normally, a manager adds itself to the list of managers to inform (and keeps all other managers in the list) when forwarding an already forwarded message.

If OPC_ONE_LINE_MSG_FORWARD is set to TRUE, a manager will only put itself in the list of managers when forwarding it on (and remove previous servers). Therefore, the next manager only informs this manager about an acknowledge, etc., and this manager will inform the previous one. That also means that it has an effect on managers down the line even if they don't have OPC_ONE_LINE_MSG_FORWARD set.

Type/Unit : bool
Default : FALSE
Documented : Concepts Guide
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding, message change

OPC_ONLY_ACTIVE_MSGCHG_FOR_IWS

Description : If OPC_ONLY_ACTIVE_MSGCHG_FOR_IWS is set to TRUE, no message change is sent to the Incident Web Service if the message is already acknowledged.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.11.110
Used In : namespace: opc
Search-Keys :

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 customize the timeout interval.

Type/Unit : int , second
Default : 2
Documented : N/A
Since Rel. : A.03.00

Used In : namespace: opc
Search-Keys : opcrlogin, timeout

OPC_OUTAGE_USE_CREATE_TIME

Description : Use message creation time instead of time when message received on HPOM server for scheduled outage feature.
Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : opcmsgm, outage, filtering, messages

OPC_OVHARG_START_LOCAL_AGENT

Description : Starting server HARG in a cluster environment will also start the local agent.
Type/Unit : bool
Default : TRUE
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : HA, configuration, HARG start, local agent

OPC_OWN_DISPLAY

Description : Specify status-propagation for 'owned' messages.
Type/Unit : string , values: STATUS_PROPAGATE,NO_STATUS_PROPAGATE
Default : NO_STATUS_PROPAGATE
Documented : Administrator's Reference
Since Rel. : A.03.00
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, message ownership, status propagation

OPC_OWN_DISPLAY_JGUI_UNDO

Description : Undo OPC_OWN_DISPLAY behavior for message browser in the HPOM Java GUI Console.
Type/Unit : boolean
Default : FALSE

Documented : N/A
Since Rel. : A.07.25.1
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, message ownership, status propagation

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 : Administrator's Reference
Since Rel. : A.03.00
Used In : namespace: opc
Search-Keys : opcuwww, API, message ownership

OPC_PING_SIZE

Description : Size of ping packets used during agent installation.
Type/Unit : int
Default : 64
Documented : Administrator's Reference
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : inst.sh, packet size, agent installation, ICMP ECHO

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 : N/A
Since Rel. : A.08.33
Used In : namespace: opc
Search-Keys : ECS, policy storm

OPC_POLICY_LIST_ITEMS_PER_PAGE

Description : Defines the number of conditions per page that will be displayed in policy editor.
Type/Unit : int
Default : 50
Documented : N/A
Since Rel. : 09.11.100
Used In : namespace: adminui
Search-Keys : Administration UI, policy edit, conditions, items per page

OPC_POLICY_LIST_WIDGET_SIZE

Description : Defines the size of conditions area in policy editor. Acceptable value is greater or equals to 300, and size cannot be less than 300.
Type/Unit : int
Default : 300
Documented : N/A
Since Rel. : 09.11.100
Used In : namespace: adminui
Search-Keys : Administration UI, widget size, policy edit, conditions, height

OPC_POLICY_OVERRIDE_OVPM_GRAPH_DATERANGE

Description : If this parameter is set to TRUE, DATERANGE defined in policy takes priority over DATERANGE value in OPC_OVPM_GRAPH XPL variable.
Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : OVPM data range

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:<server_fully_qualified_name>

Documented : Administrator's Reference

Since Rel. : A.08.00

Used In : namespace: opc

Search-Keys : opcbcdist, MoM, policy ownership, distribution

OPC_PRINT_ALL_LOCAL_DB_ERRORS

Description : If TRUE, the DB-layer writes all HPOM 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 : N/A

Since Rel. : A.04.00

Used In : namespace: opc

Search-Keys : database, logging, errors

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 : N/A

Since Rel. : A.04.00

Used In : namespace: opc

Search-Keys : queues, retry time

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 : N/A
Since Rel. : A.08.15
Used In : namespace: opc, eaagt
Search-Keys : queues, size limit

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 opcmsgm.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.07.23
Used In : namespace: eaagt, opc
Search-Keys : queues

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/A
Since Rel. : A.08.31
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP, agent, alive package

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/A
Since Rel. : A.08.35.010, 09.10.200
Used In : namespace: opc
Search-Keys : opcmsgm, MoM, forwarding, CMA, duplicate message suppression

OPC_REPLACE_KNOWN_NODE_NAME_BEFORE_MSI

Description : If this parameter is set to TRUE, opcmsgm will replace the <\$MGMTSV_KNOWN_MSG_NODE_NAME> variable in message key relations before passing the message to the MSI. Note that the variable is already being replaced in other attributes before the message is passed to the MSI. Setting this parameter to TRUE in a MoM environment will cause that any destination forwarding servers will get the variable already replaced with the node name on the source forwarding server.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : 09.10.250
Used In : namespace: opc
Search-Keys : opcmsgm, \$MGMTSV_KNOWN_MSG_NODE_NAME, MSI, message key relation,

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 custom message attribute values when a message is received.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.08.34
Used In : namespace: opc
Search-Keys : opcmsgm, \$OPC_MGMTSV, replace

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 : N/A
Since Rel. : A.05.33
Used In : namespace: eaagt, opc
Search-Keys : configuration, name resolution

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 : Administrator's Reference
Since Rel. : A.08.30
Used In : namespace: opc
Search-Keys : opcmsg, MoM, forwarding, action, signature, security, policy

OPC_RPT_COLUMNS_PER_LINE

Description : Number of columns per line that the opcmsgsrpt report program uses for formatting the report output.
Type/Unit : 80 <= n <= 999
Default : 86
Documented : N/A
Since Rel. : 09.11.040
Used In : namespace: opc
Search-Keys : opcmsgsrpt, reporting

OPC_RPT_LINES_PER_PAGE

Description : Number of lines per page that the opcmsgsrpt report program uses for formatting the report output.
Type/Unit : int
Default : 55
Documented : N/A
Since Rel. : 09.11.040
Used In : namespace: opc
Search-Keys : opcmsgsrpt, reporting

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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP

OPC_RQS_CHKALIVE_MIN

Description : Similar to OPC_RQS_CHKALIVE_MAX.
Type/Unit : int , second, > 60
Default : 60
Documented : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP

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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP, unreachable

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 : Administrator's Reference
Since Rel. : A.04.00

Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP, threads, performance

OPC_SEARCH_BY_IP_FIRST

Description : 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.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.08.24
Used In : namespace: opc
Search-Keys : opcmsgm, search, IP

OPC_SEND_ACKN_TO_CTRL_SWTCH

Description : M2M message forwarding: Send acknowledge request to servers which received a message as 'controlled' (normal HPOM message).

Type/Unit : bool
Default : TRUE
Documented : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding, acknowledgement

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/A
Since Rel. : A.07.24
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding, acknowledgement

OPC_SEND_ACT_TO_CTRL_SWTCH

Description : M2M message forwarding: Send action status change to servers

which received the appropriate message as 'controlled' (normal).
Type/Unit : bool
Default : TRUE
Documented : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding, action status

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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding, action status

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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding, annotation

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 : N/A
Since Rel. : A.04.00
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding, annotation

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 : Concepts Guide

Since Rel. : A.06.00

Used In : namespace: opc

Search-Keys : opcforwm, MoM, forwarding, duplicate message suppression

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 : N/A

Since Rel. : A.07.24

Used In : namespace: opc

Search-Keys : opcforwm, MoM, forwarding, message change

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 : Concepts Guide

Since Rel. : A.06.00

Used In : namespace: opc

Search-Keys : opcforwm, MoM, forwarding, message ownership

OPC_SERIALIZE_SERVICE_MODEL

Description : Defines whether service model should be serialized. This brings much less chance of a coredump under a heavy load but decreases performance.

Type/Unit : bool

Default : FALSE
Documented : N/A
Since Rel. : 09.10.240
Used In : namespace: opc
Search-Keys : opcsvcm, performance, service engine

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 : Administrator's Reference
Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : opcmsgm, outage, time zone, service hours, agent

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 : N/A
Since Rel. : A.08.00
Used In : namespace: opc
Search-Keys : opcmsgm, action, signature, security

OPC_SOURCE_FORW_NOTIF_TO_TT

Description : M2M message forwarding:
Pass forward-planned (to be forwarded) messages to Trouble-Ticket and Notification systems on the source server.
This variable has no effect on messages that have been forwarded from another HPOM management server (QCCR1A112261).
(See also OPC_FORW_NOTIF_TO_TT and see different defaults).
Type/Unit : bool
Default : TRUE
Documented : Administrator's Reference
Since Rel. : A.09.00
Used In : namespace: opc

Search-Keys : opcmsgm, MoM, forwarding, trouble ticket, notification

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 : N/A
Since Rel. : A.08.24
Used In : namespace: opc
Search-Keys : opcforwm, MoM, forwarding

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 : N/A
Since Rel. : A.06.09
Used In : namespace: opc
Search-Keys : opcmsgm, MSI, duplicate message 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/A
Since Rel. : A.08.32; 09.10.200
Used In : namespace: opc
Search-Keys : opcmsgm, forwarding, MoM, MSI, duplicate message ID

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/A

Since Rel. : A.08.27

Used In : namespace: opc

Search-Keys : opcmsg, duplicate message suppression, message key, performance

OPC_SUPPRESS_ERROR_LIST

Description : A comma-separated list of <msgset>-<msgnbr> values to suppress error messages (OpC<msgset>-<msgnbr>) 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 opcmsgm process:

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

Type/Unit : string

Default :

Documented : N/A

Since Rel. : A.08.30

Used In : namespace: eaagt, opc

Search-Keys : error message suppression, logging

OPC_SUPPRESS_IF_NO_CORRELATION

Description : Enables suppressing of messages that have msg correlation pattern set but they don't correlate with any existing active message (through msgkeys). Additionally such message must match msg group, application and object with corresponding configuration setting (filter). These additional config. settings are:

OPC_SUPPRESS_IF_NO_CORRELATION_MSGGROUP
OPC_SUPPRESS_IF_NO_CORRELATION_MSGAPPLICATION
OPC_SUPPRESS_IF_NO_CORRELATION_MSGOBJECT

If above configuration settings are left blank or not set then msg attribute filtration will be skipped and all messages will be considered/processed for suppression, including some important OMU internal messages! In this case even OMU internal messages can be suppressed, since some of them have msg correlation pattern set as well. Therefore it is highly recommended to set them accordingly.

Note that this functionality does not work as a Message Suppression and Duplicate Count functionality. If enabled this functionality can have impact on opcmsgm performance, especially when there are a lot of active messages with msgkeys defined. In some rare cases when huge message load takes place, it may happen that some msg which should be suppressed sneaks into active messages.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : opcmsgm, message suppression, message correlation,

OPC_SUPPRESS_IF_NO_CORRELATION_MSGAPPLICATION

Description : When OPC_SUPPRESS_IF_NO_CORRELATION is enabled this setting filters messages according to msg applications (comma separated). Messages that don't match configured msg application aren't suppressed. If this parameter isn't set or left empty then msg application filtration/checking is skipped, meaning that all message applications are considered for possible suppression. Avoid the following values for this setting:
- "" or <unset> because all msg applications will "match"
- HP OpenView Operations, OpenView because they are used by OMU internal msgs and this may suppress them.

See also: OPC_SUPPRESS_IF_NO_CORRELATION,
OPC_SUPPRESS_IF_NO_CORRELATION_MSGGROUP and
OPC_SUPPRESS_IF_NO_CORRELATION_MSGOBJECT.

Type/Unit : string

Default : ""
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : opcmsgm, message suppression, message correlation,

OPC_SUPPRESS_IF_NO_CORRELATION_MSGGROUP

Description : When OPC_SUPPRESS_IF_NO_CORRELATION is enabled this setting filters messages according to msg groups (comma separated). Messages that do not match configured msg group are not suppressed.

If this parameter isn't set or left empty then msg group filtration/checking is skipped, meaning that all message groups are considered for possible suppression.

Avoid the following values for this setting:

- "" or <unset> because all msg groups will "match"
- OpC, OpenView because they are used by OMU internal msgs and this may suppress them.

See also: OPC_SUPPRESS_IF_NO_CORRELATION,
OPC_SUPPRESS_IF_NO_CORRELATION_MSGAPPLICATION and
OPC_SUPPRESS_IF_NO_CORRELATION_MSGOBJECT.

Type/Unit : string
Default : ""
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : opcmsgm, message suppression, message correlation,

OPC_SUPPRESS_IF_NO_CORRELATION_MSGOBJECT

Description : When OPC_SUPPRESS_IF_NO_CORRELATION is enabled this setting filters messages according to msg objects (comma separated). Messages that don't match configured msg object aren't suppressed.

If this parameter isn't set or left empty then msg object filtration/checking is skipped, meaning that all message objects are considered for possible suppression.

Avoid the following values for this setting:

- "" or <unset> because all msg objects will "match"
- opcbbcdist (BBC config adapter), ovcd,..., because they are used OMU internal msgs and this might suppress them.

See also: OPC_SUPPRESS_IF_NO_CORRELATION,
OPC_SUPPRESS_IF_NO_CORRELATION_MSGGROUP and
OPC_SUPPRESS_IF_NO_CORRELATION_MSGAPPLICATION.

Type/Unit : string
Default : ""
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : opcmsgm, message suppression, message correlation,

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/A
Since Rel. : A.08.33; 09.10.200
Used In : namespace: opc
Search-Keys : opcmsgm, MSI, outage, message suppression

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 : Administrator's Reference
Since Rel. : A.07.19
Used In : namespace: opc
Search-Keys : opcsvcm, error, logging, services

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 <Warning> tags while all

Errors are sent in an <Error> tag. If Errors occur, the operation is not executed.

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

NONE: Previous behavior, No Error Checking.

Type/Unit : string, FULL/WARNONLY/NONE
Default : FULL
Documented : Administrator's Reference
Since Rel. : A.07.19
Used In : namespace: opc
Search-Keys : opcsvcm, error checking, services

OPC_SVCM_UPDATE_SERVICE_TABLES

Description : If set to TRUE, HPOM maintains the opc_op_service table, even though OPCUIWWW_NORESP_SVCMMSG 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 : N/A
Since Rel. : A.07.23; A.08.10
Used In : namespace: opc
Search-Keys : opcsvcm, service, performance, database, reporting

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 : Administrator's Reference
Since Rel. : A.08.10
Used In : namespace: opc

Search-Keys : opcsvcm, service engine, overall status calculation

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 : Administrator's Reference

Since Rel. : A.08.10

Used In : namespace: opc

Search-Keys : opcsvcm, service engine, operational status calculation

OPC_SVC_CALC_NAME0

Description : Renames the Overall Service Status Calculation view.

Type/Unit : string

Default : Overall

Documented : Administrator's Reference

Since Rel. : A.08.10

Used In : namespace: opc

Search-Keys : opcsvcm, service engine, overall status calculation

OPC_SVC_CALC_NAME1

Description : Renames the Operational Service Status Calculation.

Type/Unit : string

Default : Operational

Documented : Administrator's Reference

Since Rel. : A.08.10

Used In : namespace: opc

Search-Keys : opcsvcm, service engine, operational status calculation

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 : Administrator's Reference
Since Rel. : A.08.10
Used In : namespace: opc
Search-Keys : opcsvm, service engine, status calculation

OPC_SYNC_MSGKEY_AND_DUP

Description : If set to TRUE, the opcmsgm 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 : N/A
Since Rel. : A.07.22
Used In : namespace: opc
Search-Keys : opcmsgm, message key correlation, performance,

OPC_TRACE

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

To enable HPOM-style tracing on an OM server, use the command:

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

To enable HPOM-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 : Administrator's Reference
Concepts Guide
Installing HP Operations Agents Using Clone Images White Paper
Since Rel. : A.03.00
Used In : namespace: eaagt, opc
Search-Keys : trace

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 : Administrator's Reference
Installing HP Operations Agents Using Clone Images White Paper
Since Rel. : A.04.00
Used In : namespace: eaagt, opc
Search-Keys : trace, area

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 : N/A
Since Rel. : A.06.16
Used In : namespace: eaagt, opc

Search-Keys : trace

OPC_TRACE_TRUNC

Description : Specify whether agent or server trace line length is limited.
Type/Unit : bool
Default : TRUE
Documented : Administrator's Reference
Since Rel. : A.04.00
Used In : namespace: eaagt, opc
Search-Keys : trace

OPC_TRACE_UNKN_AREAS

Description : Also trace statements from "unknown" DEBUG trace areas.
Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.04.00
Used In : namespace: eaagt, opc
Search-Keys : trace

OPC_TRC_PROCS

Description : List processes to be traced, if you do not want to trace all processes.
Type/Unit : string
Default : ALL
Documented : Administrator's Reference
Concepts Guide
Installing HP Operations Agents Using Clone Images White Paper
Since Rel. : A.04.00
Used In : namespace: eaagt, opc
Search-Keys : trace

OPC_TRUNC_MSG

Description : When incoming message size is higher than OPC_MAX_MSG_LEN this setting enables to truncate message text and original message text. This truncation will decrease overall message size below OPC_MAX_MSG_LEN.

If a message can not be truncated due to short message texts or since message is corrupted it will be discarded.
See also OPC_MAX_MSG_LEN and OPC_TRUNCATE_ORIG_TEXT (Agent).

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : message text truncation

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 : Administrator's Reference
Since Rel. : A.08.12
Used In : namespace: opc
Search-Keys : messages, action signature, CA, MoM, core id, trusted server

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 : N/A
Since Rel. : A.07.26; A.08.12
Used In : namespace: opc
Search-Keys : opcttnsm, trouble ticket, notification, timeout

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 : N/A

Since Rel. : A.07.24; A.08.12

Used In : namespace: opc

Search-Keys : opcttnsm, trouble ticket, 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 : N/A

Since Rel. : A.07.26; A.08.12

Used In : namespace: opc

Search-Keys : opcttnsm, trouble ticket, notification, timeout

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 : N/A

Since Rel. : A.06.15

Used In : namespace: opc

Search-Keys : opcactm, buffered action response

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 : Administrator's Reference
Since Rel. : A.06.16
Used In : namespace: opc
Search-Keys : opcttm, buffered action response

OPC_TT_SHOW_FORW_MGR

Description : If this setting is set to TRUE, then name of the HPOM 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 : N/A
Since Rel. : A.08.33
Used In : namespace: opc
Search-Keys : opcttnsm, MoM, message forwarding, trouble ticket, notification

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 : N/A
Since Rel. : A.07.24
Used In : namespace: opc
Search-Keys : opcttnsm, message forwarding, trouble ticket, notification,

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 or Notification Service script/external program.

By default, opcttnsm waits 70 seconds unless OPC_TT_WAIT_TIMEOUT is specified.

Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : A.06.16
Used In : namespace: opc
Search-Keys : opcttnsm, auto action, trouble ticket, notification

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 <seconds>
Default : 70
Documented : N/A
Since Rel. : A.06.16
Used In : namespace: opc
Search-Keys : opcttnsm, auto action, trouble ticket, notification, timeout

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 : N/A
Since Rel. : A.06.09
Used In : namespace: opc
Search-Keys : opcmmsgm, duplicate message suppression, trouble ticket

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 : N/A
Since Rel. : A.07.23

Used In : namespace: opc
Search-Keys : opcmsgm, MoM, forwarding

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
Documented : Concepts Guide
Java GUI Operator's Guide

Since Rel. : A.07.16
Used In : namespace: opc
Search-Keys : opcmsgm, duplicate message suppression, message text

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
Documented : Concepts Guide
Java GUI Operator's Guide

Since Rel. : A.07.16
Used In : namespace: opc
Search-Keys : opcmsgm, duplicate message suppression, message 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 : N/A

Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : opchistdwn, opcsvcupl, opcsvcdwn, opcactdwn, performance, commit

OPC_USE_ACTION_TIME_FORW_ANNO

Description : Since 9.20.310, OMU will use the current time as annotation time in message operations due to a finished action (which is in line with what OML does, but BSM uses the time from the message operation). By setting OPC_USE_ACTION_TIME_FORW_ANNO to TRUE, you can use the old behavior to use the time as reported by the agent.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.20.310
Used In : namespace: opc
Search-Keys :

OPC_USE_ADVANCED_RAW_EDITOR

Description : Determines if Administration UI application should use new policy editor. IF set to TRUE Administration UI application will use new editor when edit polices in raw mode. Otherwise old editor will be used.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.11.040
Used In : namespace: adminui
Search-Keys : Administration UI, policy editor, raw editor

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 : N/A
Since Rel. : A.05.00
Used In : namespace: opc
Search-Keys : ovoareqsdr, HBP status, sending requests

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 : N/A
Since Rel. : A.07.17
Used In : namespace: opc
Search-Keys : opcuwww, Java GUI, performance

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
Documented : N/A
Since Rel. : A.05.33
Used In : namespace: opc
Search-Keys : name resolution, lower case

OPC_USE_NEW_BOOTSTRAP_METHOD

Description : Use the bootstrap method as the default installation method for each desired platform (this doesn't change the default installation method for the nodes which already exist in the OM node bank). After changing the value of the setting, re-upload the AgentPlatform file for each desired platform:
/opt/OV/bin/OpC/opcagtdbcfg -p <platform> -dbupdate -force

Type/Unit : bool
Default : FALSE

Documented : N/A
Since Rel. : 09.20.300
Used In : namespace: opc
Search-Keys : inst.sh, agent installation, bootstrap

OPC_USE_OPC_FOR_UNSET_ACK_OP

Description : The message operation handling in opcmgm was fixed 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/A
Since Rel. : A.08.31
Used In : namespace: opc
Search-Keys : opcmgm, backward compatibility, acknowledge user

OPC_USE_PAM_AUTH

Description : If set to TRUE, this setting will instruct HPOM to use PAM as authentication mechanism (Unix users, Kerberos, LDAP).
See also OPC_USE_PAM_FAILED_LOGIN_COUNTER.

Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference
Since Rel. : A.08.10.160
Used In : namespace: opc
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.<username>'. Then these parameters are being updated in each 'user.<username>' 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 : Administrator's Reference
Since Rel. : A.08.30
Used In : namespace: opc
Search-Keys : authentication, security, Java GUI, PAM, LDAP, Kerberos, API,

OPC_USE_PAM_RESET_COUNTER_AND_DELAY

Description : If set to TRUE and PAM is enabled (OPC_USE_PAM_AUTH = TRUE) and OPC_USE_PAM_FAILED_LOGIN_COUNTER is set to TRUE, this setting enables a reset of FAILED_LOGIN_ATTEMPT_COUNTER and LOGIN_ATTEMPT_DELAY after a successful login.
See also OPC_USE_PAM_AUTH and OPC_USE_PAM_FAILED_LOGIN_COUNTER.

Type/Unit : bool
Default : FALSE
Documented : N/A
Since Rel. : 09.11.100
Used In : namespace: opc
Search-Keys : authentication, security, Java GUI, PAM, LDAP, Kerberos, API,

OPC_XPL_SQL_TRACE

Description : Enables Xpl SQL tracing
Type/Unit : boolean
Default : FALSE
Documented : N/A
Since Rel. : A.09.00
Used In : namespace: opc
Search-Keys : logging, XPL tracing, SQL, performance

OVCOR_APPL_TIMEOUT

Description : The configured timeout that opcuwww waits for a response from an application.

Type/Unit : int (seconds?)
Default : 0 (no timeout)
Documented : N/A
Since Rel. :
Used In : namespace: opc
Search-Keys : opcuwww, Java UI, application response, timeout

REQUEST_TIMEOUT

Description : Time limit after which undeliverable messages and message operations are discarded. Increase this value if you expect frequent communication failures that last longer than one hour. You can set it to 0 for unlimited timeout.

Type/Unit : int (in seconds)
Default : 3600
Documented : N/A
Since Rel. : A.08.10
Used In : namespace: opc.opcforwm
Search-Keys : opcforwm, MoM, forwarding, undeliverable, timeout

SERVER_PORT

Description : Port on which opcuhttps process listens for incoming HTTPS connections from Java GUI clients.

Type/Unit : integer
Default : 35211
Documented : Administrator's Reference
Concepts Guide
Firewall Concepts and Configuration Guide
High Availability Through Server Pooling White Paper
High Availability Through Server Pooling

Since Rel. : A.08.14
Used In : namespace: opc.opcuhttps
Search-Keys : opcuhttps, HTTPS, Java GUI, port

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 : Administrator's Reference
Since Rel. : A.08.14
Used In : namespace: opc.opcuhttps
Search-Keys : opcuhttps, Java GUI, security, certificate, authentication

STARTUP_MESSAGE_VISIBLE

Description : Determines if Administration UI application should display message window after user successfully login. IF set to TRUE Administration UI application will display startup message.
Type/Unit : bool
Default : FALSE
Documented : Administrator's Reference
Since Rel. : 09.11.040
Used In : namespace: adminui
Search-Keys : Administration UI, startup message

SVCDISC_MAXHEAP

Description : Set the JVM maximum heap size to start opcsvdisc service Discovery Server
Type/Unit : integer
Default : 2047, 1024 (on HPUX 11.23)
Documented : Service Discovery and Topology Synchronization Guide
Since Rel. : A.09.20
Used In : namespace: opc
Search-Keys : opcsvdisc, memory, service discovery, heap size, JVM

_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/A
Since Rel. : A.08.24
Used In : namespace: opc.<process>, e.g.: opc.opcmsgrb
Search-Keys : ovoareqsdr, memory, HP-UX only

`_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/A
Since Rel. : A.08.24
Used In : namespace: opc.<process>, e.g.: opc.opcmsgrb
Search-Keys : ovoareqsdr, memory, HP-UX only

`dumpfile`

Description : Defines the name of the file reporting which agentless nodes need TCL and which don't. This file needs to be defined if filters for TCL-s will be configured.

Type/Unit : string
Default : empty
Documented : Administrator's Reference
Licensing Best Practices and Reporting White Paper
Since Rel. : 09.10.240
Used In : namespace: tclfilter
Search-Keys : opcremsyschk, TCL agentless

`filterfile`

Description : Defines the name of the file containing patterns to exclude the defined agentless nodes from the ones requiring TCL-s. The filter is a combination of what this setting contains as well as what hostnamefilter contains.

Type/Unit : string

Default : empty

Documented : Licensing Best Practices and Reporting White Paper

Since Rel. : 09.10.240

Used In : namespace: tclfilter

Search-Keys : opcremsyschk, TCL agentless

hostnamefilter

Description : Defines the patterns to exclude the defined agentless nodes from the ones requiring TCL-s. The filter is a combination of what this setting contains as well as what filterfile contains.

Type/Unit : string

Default : empty

Documented : Licensing Best Practices and Reporting White Paper

Since Rel. : 09.10.240

Used In : namespace: tclfilter

Search-Keys : opcremsyschk, TCL agentless

opr.toposync.dumpData

Description : Setting to true dumps all data before and after the mapping into XML files in /var/opt/OV/shared/server/tmp/datadump. This has a severe performance impact, so this setting should be always set to false in production environments.

Type/Unit : boolean

Default : false

Documented : Service Discovery and Topology Synchronization Guide

Since Rel. : 09.10.200

Used In : namespace: om.svcdiscserver.mapping

Search-Keys : discovery

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