

# **HP Operations Manager for UNIX**

## **Server Config Variables**

**Edition 2**

**HP-UX**



**Manufacturing Part Number: None**

**November 2007**

U.S.

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# 1 List of the External HP Operations Manager for UNIX 7.x and 8.x Server Configuration Variables

## **DB\_CHECK\_INTERVAL**

Flags : external

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

Type/Unit : int , second

Default : 7200

Documented :

Since Rel. :

ObsoleteSince. :

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

Search-Keys :

## **DOS\_ENABLED**

Flags : external

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

Type/Unit : boolean

Default : FALSE

Documented : N

Since Rel. : A.08.12

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : opcuwww, DOS, security

## **ECM\_ANNO\_NODE**

Flags : external

Description : Setup add.1 ECS annotate nodes on OVO management server.

See ECS 3.1 manual "Configuring Circuits for NNM and OVO".

Type/Unit : string

Default : ""

Documented : See ECS 3.1 manual "Configuring Circuits for NNM and OVO".

Since Rel. : A.07.00

ObsoleteSince. :

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

Search-Keys : ECS

### **ECM\_INSTANCE**

Flags : external

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

Type/Unit : int

Default : 11

Documented :

Since Rel. : A.07.00

ObsoleteSince. :

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

Search-Keys : ECS

### **EC\_MAX\_AS\_WAIT**

Flags : external

Description : ECS engine waits EC\_MAX\_AS\_WAIT seconds to connect to annotate  
server at startup and at reconfiguration time to avoid race  
condition.

Type/Unit : int (seconds)

Default : 10

Documented :

Since Rel. : A.07.00

ObsoleteSince. :

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

**EC\_MAX\_ESOK\_TRY**

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

**EC\_SHOW\_TIMESTAMP**

Flags : external  
 Description : Show timestamp in ecenglg and ecengtr files.  
 Type/Unit : bool  
 Default : FALSE  
 Documented : Y (patch documentation)  
 Since Rel. : A.07.26; A.08.15  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys :

**JGUI\_MULTISTATUS\_ENABLED**

Flags : external  
 Description : Enable operational service view support for the Java GUI

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

### **MAX\_CONNECTIONS**

Flags : external  
Description : The maximum number of simultaneous connections to opcuihttps.  
Clients are usually Java GUI consoles, but can also be web browsers.  
Type/Unit : integer  
Default : 100  
Documented : Y  
Since Rel. : A.08.14  
ObsoleteSince. :  
Used In : namespace: opc.opcuihttps (>=OV08)  
Search-Keys : HTTPS, Java GUI, opcuihttps

### **MOTIF\_WWW\_BROWSER**

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

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

**OPCAPM\_WAIT\_FOR\_AGENT\_RESTART**

Flags : external  
 Description : Time in seconds that the OVO 7 online scripts for management servers in HA environments wait after restart of agent, allowing opcctl a to finish the restart of server processes.

Note: Only applies if opcapm is running on the system.

Type/Unit : integer  
 Default : 0  
 Documented : QXCM1000247159  
 Since Rel. : A.07.24.1  
 ObsoleteSince. : A.08.00  
 Used In : opcsvinfo (<=OV07)  
 Search-Keys :

**OPCMSGM\_USE\_GUI\_THREAD**

Flags : external  
 Description : Configure how opcmsgm sends messages to opcdisp m.

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

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

NO\_RPC: opcmsgm writes messages to a queue and opcdisp m reads

the messages from this queue.

Type/Unit : string

Default : FALSE

Documented :

Since Rel. : A.08.22

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : opcmsgm GUI thread

### **OPCRAGT\_MAX\_THREADS**

Flags : external

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

Type/Unit : int, # of threads

Default : 50

Documented :

Since Rel. : A.08.27

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : performance

### **OPCRAGT\_USE\_THREADS**

Flags : external

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.

The options are supported for DCE- and HTTPS agents.

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

Note: each agent connection requires an own source port on the mgmt server. Means that source port ranges - if used at all - must be enhanced appropriately (settings OPC\_COMM\_PORT\_RANGE for DCE and 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 OVO server.

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

Note: the OPCRAGT\_USE\_THREADS flag also enables the feature that you can view complete HTTPS agent namespaces with the -get\_config\_var option. A ":" must be suffixed to the name:  
# opcragt -get\_config\_var eaagt: -all  
would list all settings from namespace eaagt on all nodes.  
The namespace definition is ignored for DCE nodes.

Type/Unit : bool  
Default : FALSE  
Documented :  
Since Rel. : A.08.27

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

#### **OPCSVCM\_ASYNC\_MODE**

Flags : external  
Description : Disables the implicit write through for all configuration changes for the service repository.  
Type/Unit : boolean  
Default : FALSE  
Documented :  
Since Rel. : A.07.12  
ObsoleteSince. :  
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
Search-Keys : commit

#### **OPCSVCM\_MSGSVCNAME\_DEFAULT**

Flags : external  
Description : opcmmsgm generates an automatic service name for all messages which do not have a service name set if value is set to TRUE. The service name takes the following form:  
":@@"  
Type/Unit : bool  
Default : FALSE  
Documented : yes (SNVP documentation)  
Since Rel. : A.07.10  
ObsoleteSince. :  
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
Search-Keys : SNVP

**OPCSVCM\_MSGSVCNAME\_FIXED**

Flags : external

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

Type/Unit : string

Default : ""

Documented : yes (SNVP documentation)

Since Rel. : A.07.10

ObsoleteSince. :

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

Search-Keys : SNVP

**OPCSVC\_CONSIDER\_PROFILES**

Flags : external

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

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.07.22

ObsoleteSince. :

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

Search-Keys : profile; opcsvcm; opcuiwww;

**OPCTRAMM\_TIMEOUT**

Flags : external

Description : Timeout interval for opctramm to process a job file.

A timeout can also be set via `opcstranm` command line option:  
`-t` or `-timeout`. The command line option has a higher priority  
than `opcsvinfo`.

Type/Unit : integer (seconds)  
Default : infinite  
Documented :  
Since Rel. : A.07.12  
ObsoleteSince. :  
Used In : `opcsvinfo (<=OV07)`; namespace: `opc (>=OV08)`  
Search-Keys :

#### **OPCUIWWW\_BULK\_MODE**

Flags : external  
Description : Messages in the Java GUI are acknowledged, unacknowledged,  
owned, or disowned in one single bulk operation.  
Type/Unit : bool  
Default : FALSE  
Documented :  
Since Rel. : A.08.22  
ObsoleteSince. :  
Used In : namespace: `opc (>=OV08)`  
Search-Keys : JavaGUI bulk

#### **OPCUIWWW\_INPUT\_BUFFER\_LIMIT**

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

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

**OPCUWWW\_MAX\_CONNECTION**

Flags : external  
 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  
 Since Rel. : A.08.12  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : opcuwww, DOS, security

**OPCUWWW\_NEW\_MSG\_NO\_DB**

Flags : external  
 Description : opcuwww receives the complete message from opcdisp rather than just the message ID. OPCMSGM\_USE\_GUI\_THREAD must equal NO\_RPC for the complete message to be sent to opcuwww.  
 Type/Unit : bool  
 Default : FALSE  
 Documented :  
 Since Rel. : A.08.22

ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : JavaGUI msg DB

#### **OPCUIWWW\_ONE\_CONNECTION**

Flags : external  
Description : Applies to DoS protection of opcuiwww. Defines the maximum number of connections to opcuiwww from a single host. Effective together with DOS\_ENABLED variable.  
Type/Unit : integer  
Default : 30  
Documented : N  
Since Rel. : A.08.12  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : opcuiwww, DOS, security

#### **OPCUIWWW\_PORT**

Flags : external  
Description : The opcuiwww port number as defined in /etc/services, ito-e-gui entry. Used by opcuihttps (Java GUI HTTPS communication proxy process) to start opcuiwww processes.  
Type/Unit : integer  
Default : 2531  
Documented : Y  
Since Rel. : A.08.14  
ObsoleteSince. :  
Used In : namespace: opc.opcuihttps (>=OV08)  
Search-Keys : HTTPS, Java GUI, opcuihttps

**OPCUIWWW\_TIMEOUT**

Flags : external

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

Type/Unit : integer (seconds)

Default : 5

Documented : N

Since Rel. : A.08.12

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : opcuiwww, DOS, security

**OPC\_ACCEPT\_MSG\_MODIFY**

Flags : external

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

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.07.24

ObsoleteSince. :

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

Search-Keys :

**OPC\_ACCEPT\_NOTIF\_ACKN**

Flags : external

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

remote OVO server.

Type/Unit : bool

Default : TRUE

Documented : N

Since Rel. : A.07.24

ObsoleteSince. :

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

Search-Keys :

### **OPC\_AUTOSET\_SERVICE\_EARLY**

Flags : external

Description : This setting only has an effect if service name auto setting is enabled (OPCSVCM\_MSGSVNAME\_DEFAULT is set to TRUE). When it is desirable to have service name auto setting before writing to the MSI, set OPC\_AUTOSET\_SERVICE\_EARLY to TRUE. Otherwise, the default behavior is that service name auto setting occurs after sending the messages to the MSI.

Type/Unit : bool

Default : FALSE

Documented : Y

Since Rel. : A.07.26

ObsoleteSince. :

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

Search-Keys :

### **OPC\_BBCDIST\_RETRY\_INTERVAL**

Flags : external

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

Type/Unit : int, second

Default : 1800

Documented :  
 Since Rel. : A.08.00  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : bbcdist

#### **OPC\_CFG\_CHAR\_SET\_ASCII**

Flags : external  
 Description : If set, it has the same effect as the `-ascii` option of `opccfgupld`. Useful when configuration data has to be uploaded, from an English development system to a non-ISO8859-15 management server. Has an impact on nodes and templates.  
 You do not need to change existing scripts which use `opccfgupld` by adding the `-ascii` option but can also set this variable.  
 Type/Unit :  
 Default : FALSE  
 Documented :  
 Since Rel. : A.07.00  
 ObsoleteSince. :  
 Used In : `opcsvinfo (<=OV07)`; namespace: `opc (>=OV08)`  
 Search-Keys :

#### **OPC\_CHK\_DCE\_ADDR\_MISMATCH**

Flags : external  
 Description : Switch on a security-check, which is able to detect messages that come from nodes which use a faked IP address.  
 This check is based on the DCE header information.  
 Type/Unit : bool  
 Default : FALSE  
 Documented : Y

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

**OPC\_CLOSE\_DISTRIBUTION\_TIMEOUT**

Flags : external  
Description : Timeout for configuration distribution.  
Type/Unit : int , second  
Default : 600  
Documented :  
Since Rel. :  
ObsoleteSince. :  
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
Search-Keys :

**OPC\_COMM\_LOOKUP\_RPC\_SRV**

Flags : external  
Description : Flag telling DCE RPC clients whether to lookup the desired RPC server in the case that no static port for this server has been found in a port configuration file.  
Documented in the 'DCE Communication Without Endpoint Mapper' white paper.  
Type/Unit : bool  
Default : TRUE  
Documented : DCE Communication Without Endpoint Mapper white paper  
Since Rel. : A.07.10  
ObsoleteSince. :  
Used In : opcsvinfo, opcinfo (<=OV07); namespace: opc, eaagt (>=OV08)  
Search-Keys :

**OPC\_COMM\_REGISTER\_RPC\_SRV**

Flags : external

Description : Flag telling DCE RPC servers whether to register with the local rpcd.  
Documented in the 'DCE Communication Without Endpoint Mapper' white paper.

Type/Unit : bool

Default : TRUE

Documented : DCE Communication Without Endpoint Mapper white paper

Since Rel. : A.07.10

ObsoleteSince. :

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

Search-Keys :

**OPC\_COMM\_RPC\_PORT\_FILE**

Flags : external

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

Type/Unit : string

Default : (not set)

Documented : DCE Communication Without Endpoint Mapper white paper

Since Rel. : A.07.10

ObsoleteSince. :

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

Search-Keys :

**OPC\_CSA\_AUTOGRANT\_INTERVAL**

Flags : external

Description : Time interval for opccsad to automatically grant certificate

request during remote certificate installation.

Type/Unit : int, minute

Default : 30

Documented :

Since Rel. : A.08.00

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : CSA

#### **OPC\_CSA\_USE\_AUTOGRANT**

Flags : external

Description : Enable/disable the autogrant certificate request feature for opccsad.

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.08.00

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : CSA

#### **OPC\_CSA\_USE\_HOSTNAME\_IN\_REQUESTS**

Flags : external

Description : Normally opccsad sends the IP address of the node taken from the database when granting/denying certificate requests. This is not always the best option, especially in environments where NAT or proxies are used, because in those cases the hostname is often used to route requests. When this option is set to TRUE, opccsad uses the nodename from the database when sending requests to ovcs. Set it to TRUE in NAT/proxy environments, and set it to FALSE in cases

where IP routing is preferred, but note that reverse name resolution must work properly in this case.

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

#### **OPC\_DISABLE\_EXT\_DCE\_SRV**

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

#### **OPC\_DISABLE\_IP\_MAPPING\_TABLE**

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

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

#### **OPC\_DONT\_FORW\_MSGKEY\_ACK**

Flags : external  
Description : Do not forward the acknowledge and annotation add change events caused by message key relations. If the target server has the same messages, it already handles the same message key relation. If this flag is not set, the correlation is performed twice, which may lead to lock timeouts and duplicate annotations.  
Type/Unit : bool  
Default : FALSE  
Documented : N  
Since Rel. : A.07.21  
ObsoleteSince. :  
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
Search-Keys : MOM, message forwarding

#### **OPC\_DOWNLOAD\_TEMPL\_INDIVIDUAL**

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

Default : FALSE  
 Documented : Y (patch documentation)  
 Since Rel. : A.08.25  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys :

#### **OPC\_DO\_ACTION\_SIGNATURE\_CHECK\_FOR\_ALL\_NODES**

Flags : external  
 Description : If this variable is set to FALSE, opcmmsgm checks the node communication type and action signature verification is only provided for HTTPS nodes.  
 If this variable is set to TRUE, action signature check is provided for all nodes. If there are only HTTPS nodes, opcmmsgm omits the check for node communication type and goes directly to the next step.  
 Type/Unit : bool  
 Default : FALSE  
 Documented :  
 Since Rel. : A.08.00  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : action signature

#### **OPC\_DO\_ACTION\_SIGNATURE\_CHECK\_FOR\_LOCAL\_ACTIONS**

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

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

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

#### **OPC\_DO\_ACTION\_SIGNATURE\_CHECK\_ON\_FORWARDED\_MSG**

Flags : external  
Description : If this variable is set to FALSE, and if the message is a forwarded message, there is no action signature check.  
If this variable is set to TRUE, action signature in forwarded messages is checked.  
Type/Unit : bool  
Default : FALSE  
Documented :  
Since Rel. : A.08.00  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : action signature

#### **OPC\_DUMMY\_IP\_RANGE**

Flags : external  
Description : If the OVO for UNIX management server detects an IP address conflict while processing an IP change request, the next free IP address from the OPC\_IP\_DUMMY\_IP\_RANGE is used (for DHCP).  
The format of this string is [1-9\*].[1-9\*].[1-9\*].[1-9\*].

At least one number must be specified.

Type/Unit : string

Default : 1.1.1.\*

Documented : HTTPS Agent Concepts and Configuration Guide

Since Rel. : A.08.00

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys :

**OPC\_DUPLICATES\_DO\_MSGKEY\_RELS**

Flags : external

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

Type/Unit : bool

Default : TRUE

Documented :

Since Rel. : A.07.16

ObsoleteSince. :

Used In : opcsvinfo (<=OV07)

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

**OPC\_FORWM\_MAX\_BULK\_SIZE**

Flags : external

Description : Maximum number of elements to be read from the Forward Manager queue before a bulk is created and sent to the remote servers.

Type/Unit : integer, values: >= 0

Default : 0

Documented : QXCM1000347897

Since Rel. : A.08.23

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

#### **OPC\_HBP\_CONTINUOUS\_ERRORS**

Flags : external  
Description : Continue to (re-)send heartbeat polling error messages on each poll while agent or node is down or unreachable.  
Type/Unit : bool  
Default : FALSE  
Documented : Y (patch description)  
Since Rel. : A.07.25; A.08.14  
ObsoleteSince. :  
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
Search-Keys :

#### **OPC\_HBP\_NORMAL\_START\_MSG**

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

**OPC\_HTTPS\_MSG\_FORWARD**

Flags : external

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

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

Type/Unit : bool

Default : FALSE (OVO8, will be TRUE with OVO9)

Documented : OVO HTTPS Agent Concepts and Configuration Guide

Since Rel. : A.08.21

ObsoleteSince. :

Used In : namespace: opc (>=OVO8)

Search-Keys :

**OPC\_INT\_MSG\_FLT\_AWS**

Flags : external

Description : With this variable set to TRUE, OVO internal messages are always filtered by the Message Interceptor, even if the process itself is not running. In this case, internal messages arrive at the next startup of the Message Interceptor. Setting this variable to TRUE, no internal messages are sent unfiltered to the Management Server.

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

Important Note:

OPC\_INT\_MSG\_FLT must be set to TRUE in order to use  
OPC\_INT\_MSG\_FLT\_AWS!

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

**OPC\_INVISIBLE\_NODEGRP\_ENABLE**

Flags : external  
Description : If TRUE, the invisible node group feature that was introduced  
with OV08 is enabled in OV07.  
Now the 'Hide this node group from Responsibilities  
for Operator window' button is visible when modifying a  
node group.  
Type/Unit : bool  
Default : FALSE  
Documented : N  
Since Rel. : A.07.15.1  
ObsoleteSince. : A.08.00  
Used In : opcsvinfo (<=OV07)  
Search-Keys :

**OPC\_IPCE\_RETRY\_INTERVAL**

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

Type/Unit : int  
 Default : 180 (3 minutes)  
 Documented : Yes (HTTPS Agent Concepts and Configuration Guide)  
 Since Rel. : A.08.00  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys :

**OPC\_IPCE\_RETRY\_NUM**

Flags : external  
 Description : Configure IP change event handling for DHCP nodes. If none of the IP addresses reported by the system matches those of DNS, the IP address change event is buffered. Each event is processed with a maximum number of retries as specified by the OPC\_IPCE\_RETRY\_NUM variable.  
 Type/Unit : int  
 Default : 10  
 Documented : Yes (HTTPS Agent Concepts and Configuration Guide)  
 Since Rel. : A.08.00  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys :

**OPC\_JGUI\_ALLOW\_ORIG\_SRV**

Flags : external  
 Description : Controls if the original management server is allowed in the list of backup management servers. By default, it is not allowed and is ignored by the Java GUI. See also OPC\_JGUI\_BACKUP\_SRV variable.  
 Type/Unit : bool  
 Default : FALSE

Documented : Y  
Since Rel. : A.08.22  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : Java GUI

#### **OPC\_JGUI\_BACKUP\_SRV**

Flags : external  
Description : Comma-separated list of (one or more) backup OVO management servers. In case of lost connection to management server, the Java GUI automatically re-connect to a specified backup server. If the variable is undefined or no value is specified, the auto-reconnect functionality is disabled.  
Type/Unit : string  
Default : none  
Documented : Y  
Since Rel. : A.08.21  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : Java GUI

#### **OPC\_JGUI\_CONF\_ALLOWED\_USERS**

Flags : external  
Description : Comma-separated list of users that are able to save their Java GUI configuration files when loaded from global settings location. For listed users, local configuration files have precedence over shared ones if present in \$USER\_HOME.  
Type/Unit : string  
Default : none  
Documented : Y  
Since Rel. : A.08.14

ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : Java GUI, global settings

#### **OPC\_JGUI\_GLOBAL\_SETTINGS\_UNIX**

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

Typical values:

/net/barney/tmp (NFS share)  
 http://barney:3443/ITO\_OP/ (URL on OVO server)

Type/Unit : string  
 Default : none  
 Documented : Y  
 Since Rel. : A.08.12 (server); A.08.13 (JGUI)  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : Java GUI, global settings

#### **OPC\_JGUI\_GLOBAL\_SETTINGS\_WIN**

Flags : external  
 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').  
 Type/Unit : string

Default : none  
Documented : Y  
Since Rel. : A.08.12 (server); A.08.13 (JGUI)  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : Java GUI, global settings

### **OPC\_JGUI\_HINTING**

Flags : external  
Description : Configures the used Oracle optimizer by inserting a hint into the SQL query when loading messages using the Java GUI.  
Only used if OPC\_USE\_JB\_MSGS\_GET is TRUE.  
Values:  
RULE - rule based optimizer.  
CHOOSE - Oracle decides whether to use rule or cost based opt.  
RULE ORDERED - rule based opt., ordered.  
ALL\_ROWS - cost based opt., all rows strategy.  
FIRST\_ROWS - cost based opt., first rows strategy.  
Type/Unit : string  
Default : FIRST\_ROWS  
Documented :  
Since Rel. : A.07.16  
ObsoleteSince. :  
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
Search-Keys :

### **OPC\_JGUI\_HISTBRW\_DISABLED**

Flags : external  
Description : Comma-separated list of users, that are not allowed to use History Message Browser.  
Type/Unit : string

Default : none  
 Documented : Y  
 Since Rel. : A.08.27  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : Java GUI

#### **OPC\_JGUI\_MINIMAL\_VER**

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

Typical values:

A.08.27

A.08.27,A.08.27.QXCR1000442413

See also OPC\_JGUI\_RECOMMENDED\_VER.

Type/Unit : string  
 Default : none  
 Documented : Y  
 Since Rel. : A.08.27  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : Java GUI

#### **OPC\_JGUI\_MSGGRP\_ICON**

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

"bw" - to use the black/white version of the original message group icon  
" " - to use default colored message group icon  
"path/image" - to use an image file on the server

The following sub variants are possible:

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

Type/Unit : string  
Default : " "  
Documented :  
Since Rel. : A.08.24  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : msggroup icon

#### **OPC\_JGUI\_RECOMMENDED\_VER**

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

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

Type/Unit : string

Default : none  
 Documented : Y  
 Since Rel. : A.08.27  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : Java GUI

#### **OPC\_JGUI\_RECONNECT\_RETRIES**

Flags : external  
 Description : Applies to Java GUI client. Number of reconnect retries to current server before auto-reconnect is initiated.  
 See also OPC\_JGUI\_BACKUP\_SRV.  
 Type/Unit : integer  
 Default : 3  
 Documented : Y  
 Since Rel. : A.08.21  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : Java GUI

#### **OPC\_JGUI\_WEBBRW\_APPL\_RESULT**

Flags : external  
 Description : If enabled, HTML output from the OVO Application will be redirected to the Web Browser. If disabled, it will be shown in the Application Panel (old behavior).  
  
 Values:  
 TRUE - Redirection to Web Browser is enabled.  
 FALSE - Redirection to Web Browser is disabled.  
 Type/Unit : bool  
 Default : FALSE

Documented : Y  
Since Rel. : A.08.25  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : Java GUI

#### **OPC\_LOG\_DROPPED\_MSGS**

Flags : external  
Description : If TRUE, OVO logs all dropped message errors (OpC40-648) to System.txt file. OVO discards messages received from nodes, which are not managed by OVO. The setting is useful to determine node names from which the discarded messages were sent.  
Type/Unit : boolean  
Default : FALSE  
Documented :  
Since Rel. : A.08.27  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys :

#### **OPC\_MAX\_DUPL\_ANNO**

Flags : external  
Description : Configure the maximum number of annotations that are added for the count and suppress duplicate feature.  
If set to 0, there is no limitation of duplicate message annotations.  
Type/Unit : int  
Default : 0 (no restriction)  
Documented :  
Since Rel. : A.06.14; A.07.12

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

#### **OPC\_MAX\_JAVA\_GUI5**

Flags : external  
 Description : Limit for the maximum number of Java GUIs that can be simultaneously logged in.  
 Type/Unit : int  
 Default : 0 (unlimited)  
 Documented :  
 Since Rel. : A.07.27; A.08.23  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys :

#### **OPC\_MAX\_MSG\_LEN**

Flags : external  
 Description : Limit for the size of a message. opcmsgrd performs some sanity checks 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 immediately discarded.  
 Type/Unit : int  
 Default : 1048576 (1 MB)  
 Documented :  
 Since Rel. :  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys :

#### **OPC\_MGMTSV\_CHARSET**

Flags : external  
Description : Character Set of OVO management server.  
Values: roman8,iso88591,ebcdic,sjis,euc,ASCII  
Type/Unit : string  
Default : iso88591  
Documented :  
Since Rel. :  
ObsoleteSince. :  
Used In : nodeinfo, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)  
Search-Keys :

#### **OPC\_MODIFY\_OPCMONA\_RESET\_MESSAGES**

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

The following options are available:

ACTIVE : Delete log-only flag  
(makes message visible in browser)  
MSI\_DIVERT: Set MSI flags  
(for example, to pass messages to ECS)  
MSI\_COPY : As MSI\_DIVERT  
TT : trouble ticket flag (implies ACTIVE)  
TT\_ACK : trouble ticket + acknowledge by trouble ticket  
(implies ACTIVE)

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

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

**OPC\_MSG\_FLT\_EXCLUDE\_SVC**

Flags : external  
 Description : If set to TRUE, OVO-internal messages do not carry over Service Name field from original message. The Service Name is then an empty value. This is the behavior that existed before the fix for defect QXCR1000321305 was implemented.  
 Type/Unit : bool  
 Default : FALSE  
 Documented : Y  
 Since Rel. : A.07.27; A.08.25  
 ObsoleteSince. :  
 Used In : opcinfor, opcsvinfo (<=OV07); namespace: eaagt, opc (>=OV08)  
 Search-Keys :

**OPC\_NEW\_NAMERES**

Flags : external  
 Description : If the parameter is set to TRUE, the following is activated:
 

- OVO treats the IP nodes and the non-IP nodes with the same name as a single node.
- Non-IP node names are also converted to lowercase if the OPC\_USE\_LOWERCASE parameter is set to TRUE.
- opcdbidx lower converts non-IP nodes to lowercase.

- If the configuration parameter OPC\_NEW\_NAMERES\_NO\_LOOPUP is set to TRUE, dblib (and opcmsgm) do not contact the name service for any node. The node name and IP address from the agent are taken without any further checks.

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

#### **OPC\_NEW\_NAMERES\_NO\_LOOKUP**

Flags : external  
Description : This can only be used if OPC\_NEW\_NAMERES is set to TRUE. If OPC\_NEW\_NAMERES\_NO\_LOOKUP is set to TRUE, dblib (and opcmsgm) do not contact the name service for any node. The node name and IP address from the agent are taken without any further checks.

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

#### **OPC\_NOTIFICATION\_LOGONLY**

Flags : external  
Description : If set to TRUE, it enables the OVO user to select Notification

service in a Message/Trap condition even if On Server Log Only option is checked. When OPC\_NOTIFICATION\_LOGONLY value is changed, the OVO GUI has to be restarted.

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

#### **OPC\_NO\_MSGKEYREL\_ANNO**

Flags : external  
 Description : Do not add annotations for messages that are acknowledged by message key relation - improves performance.  
 Type/Unit : bool  
 Default : FALSE  
 Documented :  
 Since Rel. : A.06.13; A.07.11  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys :

#### **OPC\_NO\_MSG\_FLT\_FOR\_BUFFER\_MSG**

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

are also buffered.

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

#### **OPC\_OPCCFGDWN\_ALL\_INCLUDE\_SELDIST\_SERVICES**

Flags : external  
Description : Since QXCR1000112703, opccfgdwn includes the services/loggings and seldist files. To avoid that a customer unintentionally overwrites the previous files during an upload, these files are only included in the complete download if explicitly enabled. With OVO 9, this will be always the case.  
Type/Unit : bool  
Default : FALSE  
Documented :  
Since Rel. : A.08.22  
ObsoleteSince. :  
Used In : namespace: opc (=OV08)  
Search-Keys : opccfgdwn download seldist services

#### **OPC\_OPCCITLM\_KILL\_OPUIWWW**

Flags : external  
Description : If this flag is set to TRUE, every time opccitlm -stop is called, the disable\_java\_gui script is called and all running opuiwww processes are killed.  
Type/Unit : bool  
Default : FALSE

Documented : N  
 Since Rel. : A.07.25; A.08.15  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys :

#### **OPC\_OPCCTLM\_START\_OPCSVCM**

Flags : external  
 Description : The opcsvcam (Service Navigator Action Manager) utility is started together with other OVO processes by the control manager if the variable is set to TRUE.  
 Type/Unit : bool  
 Default : FALSE  
 Documented : Y  
 Since Rel. : A.08.23  
 ObsoleteSince. :  
 Used In : namespace: opc (>=OV08)  
 Search-Keys : opcsvcm, service navigator,

#### **OPC\_OWN\_DISPLAY\_JGUI\_UNDO**

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

**OPC\_POLICY\_OWNER**

Flags : external

Description : Defines the policy owner of policies distributed from this management server.  
See the Configuring Multiple Configuration Servers section in the HTTPS Agent Concepts and Configuration Guide for details about its use.

Type/Unit : string

Default : OVO:

Documented : HTTPS Agent Concepts and Configuration Guide

Since Rel. : A.08.00

ObsoleteSince. :

Used In : namespace: opc (>=OVO8)

Search-Keys :

**OPC\_Q\_MAX\_SIZE**

Flags : external

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

Type/Unit : int , kbytes

Default : 0 (unlimited)

Documented :

Since Rel. : A.08.15

ObsoleteSince. :

Used In : namespace: opc, eaagt (>=OVO8)

Search-Keys :

**OPC\_Q\_SYNC\_WRITES**

Flags : external

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 :

Since Rel. : A.07.23

ObsoleteSince. :

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

Search-Keys :

**OPC\_RESTART\_COUNT**

Flags : external

Description : Defines how often an aborted server process should be restarted within the specified timeframe interval (OPC\_RESTART\_TIMEFRAME). In case a process aborts more often, it won't be restarted.

Type/Unit : integer

Default : 5

Documented :

Since Rel. : A.08.27

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : process restart server

**OPC\_RESTART\_DELAY**

Flags : external

Description : Defines the time the controlling process waits before it restarts an aborted server process. The time is specified

in seconds.

Type/Unit : integer

Default : 10

Documented :

Since Rel. : A.08.27

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : process restart server

### **OPC\_RESTART\_PROCESS**

Flags : external

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

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.08.27

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : process restart server

### **OPC\_RESTART\_TIMEFRAME**

Flags : external

Description : Defines a timeframe during which an aborted process is restarted up to specified amount of times (OPC\_RESTART\_COUNT). The time is specified in minutes.

Type/Unit : integer (minutes)

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

**OPC\_RPC\_SHORT\_TIMEOUT**

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

LOCAL\_ONLY - sets timeout to 5s

ALWAYS - sets timeout to 5s for local and remote

NEVER - sets timeout to 30s

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

**OPC\_SEARCH\_BY\_IP\_FIRST**

Flags : external  
 Description : Since OV08, the node name is given priority over the IP address when mapping message node to node bank nodes. If OPC\_SEARCH\_BY\_IP\_FIRST is set TRUE, the IP address is given priority (same behavior as with OV07).  
 Type/Unit : bool

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

#### **OPC\_SEND\_ACKN\_TO\_NOTIF**

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

#### **OPC\_SEND\_MSG\_MODIFY**

Flags : external  
Description : Can switch off sending of message modify information  
(operator changes message text and/or severity)  
using manager to manager message forwarding from source manager.  
Type/Unit : bool  
Default : TRUE  
Documented :  
Since Rel. : A.07.24  
ObsoleteSince. :  
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
Search-Keys :

**OPC\_SG\_NNM\_STARTUP**

Flags : external

Description : Determines whether OVO startup is done from within ovstart.

Type/Unit : bool

Default : TRUE since ITO 5

Documented :

Since Rel. :

ObsoleteSince. :

Used In : opcsvinfo (<=OV07)

Search-Keys :

**OPC\_SKIP\_ACTION\_SIGNATURE\_CHECK**

Flags : external

Description : If this variable is set to FALSE, action signature check is executed.

If this variable is set to TRUE, action signature check is completely switched off.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.08.00

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : action signature

**OPC\_SKIP\_DCE\_FORWARDING**

Flags : external

Description : The setting, used together with OPC\_HTTPS\_MSG\_FORWARD=TRUE, can improve forwarding performance - if the setting is set to TRUE and there is no DCE forwarding configured for any server, messages and message operations are not sent to DCE

queue, which can save some time.

Type/Unit : bool

Default : FALSE (OV08)

Documented :

Since Rel. : A.08.27

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys :

#### **OPC\_SUPPRESS\_DUPL\_MSG\_KEY\_ONLY**

Flags : external

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 : Y (Patch text)

Since Rel. : A.08.27

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : duplicate suppression performance

#### **OPC\_SVCM\_ADD\_WARN\_IF\_EXISTS**

Flags : external

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

Type/Unit : bool

Default : TRUE  
 Documented :  
 Since Rel. : A.07.19  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys : opcsvcm

#### **OPC\_SVCM\_ERROR\_CHECKING**

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

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

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

NONE: Previous behavior, No Error Checking.

Type/Unit : string, FULL/WARNONLY/NONE  
 Default : FULL  
 Documented :  
 Since Rel. : A.07.19  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys : opcsvcm

#### **OPC\_SVCM\_UPDATE\_SERVICE\_TABLES**

Flags : external  
 Description : If set to TRUE, OVO maintains the opc\_op\_service table, even

though OPCUIWWW\_NORESP\_SVCMSG is set to TRUE or not set. The `opc_op_service` table is used for reporting and by other products.

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

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

#### **OPC\_SVC\_CALC0**

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

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

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

**OPC\_SVC\_CALC1**

Flags : external

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

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

Type/Unit : boolean

Default : TRUE

Documented : Y

Since Rel. : A.08.10

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : opcsvcm, service navigator,

**OPC\_SVC\_CALC\_NAME0**

Flags : external

Description : Renames the Overall Service Status Calculation view.

Type/Unit : string

Default : Overall

Documented : Y

Since Rel. : A.08.10

ObsoleteSince. :

Used In : namespace: opc (>=OV08)

Search-Keys : opcsvcm, service navigator,

**OPC\_SVC\_CALC\_NAME1**

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

**OPC\_SVC\_DEFAULT\_CALC**

Flags : external  
Description : Specifies the default service status calculation view on opcsvm. For view set as default, the service severity change events are returned in the ElementStatusChange tag, for non-default view, they are returned in the ElementMultiStatusChanges tag. In the Java GUI, new service graphs and maps are opened in the default view.  
0: The default calc view is Overall  
1: The default calc view is Operational  
  
Type/Unit : integer, (0 or 1)  
Default : 0  
Documented : Y  
Since Rel. : A.08.10  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys : opcsvcm, service navigator,

**OPC\_SYNC\_MSGKEY\_AND\_DUP**

Flags : external

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 :

Since Rel. : A.07.22

ObsoleteSince. :

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

Search-Keys : message key correlation, suppress and count duplicates

**OPC\_TERMINAL**

Flags : external

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

Type/Unit : string

Default : /usr/dt/bin/dtterm

Documented : Y (patch documentation)

Since Rel. : A.07.26; A.08.15

ObsoleteSince. :

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

Search-Keys :

### **OPC\_TERMINAL\_GEOMETRY**

Flags : external  
Description : Terminal emulator window geometry used for agent installation and configuration download from the OVO Admin GUI.  
Type/Unit : string  
Default : 110x36  
Documented : Y (patch documentation)  
Since Rel. : A.07.26; A.08.15  
ObsoleteSince. :  
Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
Search-Keys :

### **OPC\_TRUSTED\_SERVER\_COREIDS**

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

Example to add a Trusted server core ID:

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

Type/Unit : string  
Default :  
Documented : Yes  
Since Rel. : A.08.12  
ObsoleteSince. :  
Used In : namespace: opc (>=OV08)  
Search-Keys :

**OPC\_TTNS\_MAX\_CALLS**

Flags : external

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

Type/Unit : string

Default : 1 (serial processing)

Documented :

Since Rel. : A.07.24; A.08.12

ObsoleteSince. :

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

Search-Keys : troubleticket; notification

**OPC\_TT\_SKIP\_RESP\_OPER**

Flags : external

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

Type/Unit : boolean

Default : FALSE

Documented :

Since Rel. : A.07.24

ObsoleteSince. :

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

Search-Keys : performance

**OPC\_UNACK\_ON\_DUPL\_EVENT**

Flags : external

Description : When set to TRUE, the message manager that receives a 'duplicate counter' event via M2M forwarding from another server for a history message, will unacknowledge the message. This helps when servers are out of sync.

Type/Unit : bool

Default : FALSE

Documented :

Since Rel. : A.07.23

ObsoleteSince. :

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

Search-Keys :

**OPC\_UPDATE\_DUPLICATED\_MSGTEXT**

Flags : external

Description : Set OPC\_UPDATE\_DUPLICATED\_SEVERITY=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 : empty

Documented : Patch docu

Since Rel. : A.07.16

ObsoleteSince. :

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

Search-Keys : duplicate

**OPC\_UPDATE\_DUPLICATED\_SEVERITY**

Flags : external

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 : empty  
 Documented : Patch docu  
 Since Rel. : A.07.16  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys : duplicate severity

#### **OPC\_USE\_JB\_MSGS\_GET**

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

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

Type/Unit : bool  
 Default : FALSE  
 Documented :  
 Since Rel. : A.07.17  
 ObsoleteSince. :  
 Used In : opcsvinfo (<=OV07); namespace: opc (>=OV08)  
 Search-Keys :

### **OVCOR\_APPL\_TIMEOUT**

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

### **SERVER\_PORT**

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

### **SSL\_CLIENT\_VERIFICATION\_MODE**

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

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

Defined and consumed by BBC Http Client.

Type/Unit : string (Anonymous / RequireCertificate )  
 Default : Anonymous  
 Documented : Y  
 Since Rel. : A.08.14  
 ObsoleteSince. :  
 Used In : namespace: opc.opcuihttps (>=OV08)  
 Search-Keys : HTTPS, Java GUI, opcuihttps

### **\_M\_ARENA\_OPTS**

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

**\_M\_SBA\_OPTS**

Flags : external

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 : Y (Patch text)

Since Rel. : A.08.24

ObsoleteSince. :

Used In : namespace: opc., e.g.: opc.opcmsgrb (>=OV08)

Search-Keys :