

Status messages for download events

Nomad can send status messages through Configuration Manager based on specific download events which appear in its deployment status. These messages are controlled by the StatusMsgEvents registry value. This is a REG_SZ string data type and the format of the parameter must be a 64-bit value. Status messages are only sent when there is an active deployment.



Status message events should be used with caution as they could impact your Configuration Manager environment when scaled up to tens of thousands of machines. They are provided mainly for advanced troubleshooting purposes, although some events are also used to support the **Nomad dashboard** tiles.

Please refer to [Status messages for the Nomad Dashboard](#) for more details.

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For example, to set the request started, request completed, started copy and master changed events, update the [StatusMsgEvents](#) registry value to 0x80002060.

Nomad status messages

- 0x0000000001 – SNO_EVT_START
- 0x0000000002 – SNO_EVT_STOP
- 0x0000000004 – SNO_EVT_ERROR
- 0x0000000008 – SNO_EVT_PAUSED
- 0x0000000010 – SNO_EVT_RESUMED
- 0x0000000020 – SNO_EVT_REQUEST_STARTED
- 0x0000000040 – SNO_EVT_REQUEST_COMPLETED
- 0x0000000080 – SNO_EVT_SERVICE_RESET
- 0x000000100 – SNO_EVT_STARTED_CACHE_MANAGEMENT
- 0x000000200 – SNO_EVT_FINISHED_CACHE_MANAGEMENT
- 0x000000400 – SNO_EVT_STARTED_HASHCHECK
- 0x000000800 – SNO_EVT_FINISHED_HASHCHECK
- 0x000001000 – SNO_EVT_ELECTION_REQUEST
- 0x000002000 – SNO_EVT_MASTER_CHANGED
- 0x000004000 – SNO_EVT_FILLIN_MASTER_CHANGED
- 0x000008000 – SNO_EVT_MCAST_CENTRALSCHED
- 0x000010000 – SNO_EVT_MCAST_ERROR
- 0x000020000 – SNO_EVT_MCAST_COMPLETE
- 0x000040000 – SNO_EVT_SCHEDULER
- 0x000080000 – SNO_EVT_STARTED_TX_CENTRALMCAST
- 0x000100000 – SNO_EVT_STOPPED_TX_CENTRALMCAST
- 0x000200000 – SNO_EVT_STARTED_TX_ACTIVEMCAST
- 0x000400000 – SNO_EVT_STOPPED_TX_ACTIVEMCAST
- 0x000800000 – SNO_EVT_STARTED_TX_FILLINMCAST
- 0x001000000 – SNO_EVT_STOPPED_TX_FILLINMCAST
- 0x002000000 – SNO_EVT_STARTED_RX_CENTRALMCAST
- 0x004000000 – SNO_EVT_STOPPED_RX_CENTRALMCAST
- 0x008000000 – SNO_EVT_STARTED_RX_ACTIVEMCAST
- 0x010000000 – SNO_EVT_STOPPED_RX_ACTIVEMCAST
- 0x020000000 – SNO_EVT_STARTED_RX_FILLINMCAST
- 0x040000000 – SNO_EVT_STOPPED_RX_FILLINMCAST
- 0x080000000 – SNO_EVT_STARTED_COPY
- 0x100000000 – SNO_EVT_STOPPED_COPY
- 0x200000000 – SNO_EVT_WORKRATE_CHANGED
- 0x400000000 – SNO_EVT_WRONG_PKG_VERSION
- 0x800000000 – SNO_EVT_INFORMATIONAL
- 0x1000000000 – SNO_EVT_FINALSTATS (see notes below)
- 0x2000000000 – SNO_EVT_WAIT
- 0x4000000000 – SNO_EVT_MAX_EVENTID

SNO_EVT_FINALSTATS notes

For success reporting, this message provides feedback on the status of the download. For example, it can show how much data was received using multicast as opposed to peer-to-peer copying. Turning this message on creates an extra status message per machine for each deployment. The format of the status message is:

```
Evt_FinalStats MD100067 1 170 59195038 170 59195038 0 59195038 0 0
```

Configuration Manager status messages are made up of insertion strings. The strings for the final stats event are:

InstrStr0	Nomad event string (internal reference)	N/A
InstrStr1	Package Id and Package version	MD100067 1

InstrStr2	Total number of files in package	170
InstrStr3	Total number of package bytes	59195038
InstrStr4	Number of files which are cached	170
InstrStr5	Bytes which are cached	59195038
InstrStr6	Bytes copied from a peer agent (P2P)	0
InstrStr7	Bytes copied from the DP	59195038
InstrStr8	Bytes received via local multicast	0
InstrStr9	Bytes received from a central multicast	0

If the package is already cached and is re-deployed with an unchanged package version, the final stats message will not be re-sent.

Status messages for the Nomad Dashboard

Nomad clients must be configured to return the following status messages into the Configuration Manager site database in order to populate the Nomad dashboard's **Latest Operations** tiles. Because the Nomad client does not return any status messages by default, you must configure the Nomad client registry [StatusMsgEvents](#) value, either during installation of 1E Client or using [The Nomad Baseline Wizard](#).

- SNO_EVT_ERROR (0x0000000004)
- SNO_EVT_REQUEST_STARTED (0x0000000020)
- SNO_EVT_REQUEST_COMPLETED (0x0000000040)
- SNO_EVT_FINALSTATS (0x100000000)

These combine to the following value: 0x1000000064