

Configuration Change Management Objects and jnxCmCfgChgEventTable

The configuration change management objects listed in Table 1 along with the objects in the jnxCmCfgChgEventTable provide you the configuration change history.

Each jnxCmCfgChg, whose object identifier is {jnxCfmgMgmt 1}, contains the objects listed in Table 1.

Table 1: Configuration Change Management Objects

Object	Object ID	Description
jnxCmCfgChgLatestIndex	jnxCmCfgChg 1	Contains the index used in jnxCmCfgChgEventTable to represent the latest configuration change event.
jnxCmCfgChgLatestTime	jnxCmCfgChg 2	Shows the value of sysUpTime at the time of the last configuration change. However, this object returns 0 if the management subsystem was reset after the last configuration change.
jnxCmCfgChgLatestDate	jnxCmCfgChg 3	Shows the date and time when the configuration was last modified.
jnxCmCfgChgLatestSource	jnxCmCfgChg 4	Shows the source from which the configuration event was triggered. This object uses JnxCmCfChgSource to represent the source of configuration event. For more information about JnxCmCfChgSource, see Text Conventions in Enterprise-Specific Configuration Management MIB.
jnxCmCfgChgLatestUser	jnxCmCfgChg 5	Shows the login name of the current user. This object returns a zero-length string if the user name is not available or not applicable.
jnxCmCfgChgMaxEventEntries	jnxCmCfgChg 6	Shows the maximum number of entries that jnxCmCfgChgEventTable can contain. Allowable range is 0 though 2147483647. When the number of entries in jnxCmCfgChgEventTable exceeds the maximum value set for jnxCmCfgChgMaxEventEntries, the latest entry displaces the oldest entry in the table.

For information about the jnxCmCfgChgEventTable, see the following section:

- jnxCmCfgChgEventTable on page 1

jnxCmCfgChgEventTable

The jnxCmCfgChgEventTable, whose object identifier is {jnxCmCfgChg 7}, contains jnxCmCfgChgEventEntry that maps to the most recent configuration change events on the router. The jnxCmCfgChgMaxEventEntries object discussed in the preceding section (Table 1) controls the number of entries stored in jnxCmCfgChgEventTable.

Each jnxCmCfgChgEventEntry, whose object identifier is {jnxCmCfgChgEventTable 1}, contains the objects listed in Table 2.

Table 2: jnxCmCfgChgEventTable

Object	Object ID	Description
jnxCmCfgChgEventIndex	jnxCmCfgChgEventEntry 1	Uniquely identifies a configuration change event. The SNMP process assigns monotonically increasing values to each event as it occurs. However, when the SNMP process is reset, the index values too are reset.
jnxCmCfgChgEventTime	jnxCmCfgChgEventEntry 2	Contains the value of <code>sysUpTime</code> when the event occurred.
jnxCmCfgChgEventDate	jnxCmCfgChgEventEntry 3	Contains the system date and time when the event occurred.
jnxCmCfgChgEventSource	jnxCmCfgChgEventEntry 4	Shows the source from which the configuration event was triggered. This object uses <code>JnxCmCfChgSource</code> to represent the source of configuration event. For more information about <code>JnxCmCfChgSource</code> , see Text Conventions in Enterprise-Specific Configuration Management MIB.
jnxCmCfgChgEventUser	jnxCmCfgChgEventEntry 5	Contains the name of the user who was logged in at the time of the event. Returns a zero-length string if the user name is not applicable or not available.
jnxCmCfgChgEventLog	jnxCmCfgChgEventEntry 6	Contains the log of the configuration event. Returns a zero-length string if no log is available.

- Related Topics**
- Configuration Management MIB
 - Text Conventions in Enterprise-Specific Configuration Management MIB
 - Rescue Configuration Change Management Objects
 - Configuration Management Notifications

Published: 2010-04-27