
1 HP Insight Management WBEM Configuration Record Log Provider Overview

Description The HP Insight Management Web-Based Enterprise Management (WBEM) Configuration (Config) Record Log provider implements the Configuration Snapshot Log on HP servers.

This provider implements the following profiles and installs the necessary files:

Profile Name	Organization	Version
HP Record Log Profile (P00109)	HP WBEM TC	1.0

For each hardware architecture listed, this provider requires the following distributions

Requirements	HP Integrity managed servers	SLES 10 and later
		RHEL 5.0 and later
	HP ProLiant managed servers	SLES 11 and later
		RHEL 5.3 and later

Release History Initial release with HP Insight Management WBEM Providers for Linux v2.0.

1-1 Setting Up the Provider

Installing the Provider There are no special installation instructions for this provider. It is installed by default as part of the HP Insight Management WBEM providers.

Configuring the Provider This provider does not accept specific configuration adjustments beyond standard HP Insight Management WBEM support.

1-2 Using the Provider

Namespaces Supported by the Provider This provider returns instances in the `root/hpq` namespace.

Schema Supported by the Provider This provider supports the following classes:

- `SMX_ConfigRecordLog`

- SMX_ConfigLogEntry
- SMX_ConfigLogManagesRecord
- SMX_ConfigUseOfLog

The tables in the following sections describe the properties of the supported classes. The classes are categorized by the class or superclass that defines the property, the first column is the property name (including type and units) and the second column describes how the provider determines the properties implementation. When the property implementation value is a number, the number given is the default behavior and the Managed Object Format interpretation is within parenthesis. If other values are returned, a problem is indicated.

Unless otherwise noted, all of the property implementation values given are for HP ProLiant and HP Integrity (cellular and non-cellular) systems. The location related properties and implementation values are determined based on the server type so they may differ.

1-2-1 SMX_ConfigRecordLog Class

The SMX_ConfigRecordLog class implements the HP_CommonRecordLog class to model the server management record log.

The following table lists the properties implemented.

Property Name	Property Implementation
CIM_ManagedElement	
Caption	Config record log.
Description	Config record log.
ElementName	Config record log.
CIM_ManagedSystemElement	
Name	Config record log.
OperationalStatus	OperationalStatus[0] indicates the status of the Configuration Record Log: 2 (OK)
HealthState	5 (OK), when OperationalStatus[0]=2 (OK)
CIM_LogicalElement	
CIM_EnabledLogicalElement	
EnabledState	2 (Enabled)
RequestedState	12 (Not applicable)

Property Name	Property Implementation
EnabledDefault	2 (Enabled)
CIM_Log	
MaxNumberOfRecords	1 – Only the most recent snapshot of the configuration will be available.
CurrentNumberOfRecords	Number of records in the Config log (SMX_ConfigLogEntry instances).
LogState	2 (Normal)
OverwritePolicy	2 (Wraps Never)
CIM_RecordLog	
InstanceID	HPQ:SMX_ConfigRecordLog:1
HP_CommonRecordLog	
TimeOfLastChange	Time of last log change.

The following table lists the methods implemented for the SMX_ConfigRecordLog class.

Method Name	Method Implementation
ClearLog	Refer to HP Record Log profile (P00109).
UpdateConfig	Refer to HP Record Log profile (P00109).

1-2-2 SMX_ConfigLogEntry Class

The SMX_ConfigLogEntry class implements the HP_CommonLogEntry class to model logs records within the Configuration log.

The following table lists the properties implemented.

Property Name	Property Implementation
CIM_ManagedElement	
Caption	Config record log entry.
Description	Config record log entry.
ElementName	Config record log entry.
CIM_RecordForLog	
CIM_LogEntry	
InstanceID	Opaque key.

Property Name	Property Implementation
LogInstanceID	SMX_ConfigRecordLog.InstanceID
LogName	SMX_ConfigRecordLog.Name
RecordID	Config record number.
CreationTimeStamp	Config log event creation time stamp.
HP_CommonLogEntry	
RecordDataType	3 (Delimited)
RawData	Instances in CIM-XML encoding.
MajorClass	21 (Config Snapshot)
MinorClass	2 (None)
OSType	0 (Unknown) 36 (Linux) 39 (VMware)
SystemSerialNumber	System serial number string from SMBIOS.
SystemProductID	System product ID string from SMBIOS.
SystemModel	System model number string from SMBIOS.
SystemName	Computer system name.
LoggerType	2 (Server)

1-2-3 SMX_ConfigLogManagesRecord Class

The SMX_ConfigLogManagesRecord class implements the HP_LogManagesRecord class and associates instances of HP_RecordLog and HP_LogEntry.

The following table lists the properties implemented.

Property Name	Property Implementation
CIM_LogManagesRecord	
HP_LogManagesRecord	
Log	Reference HP_CommonRecordLog.
Record	Reference HP_CommonLogEntry.

1-2-4 SMX_ConfigUseOfLog Class

The SMX_ConfigUseOfLog class implements the HP_UseOfLog class and associates the instance of HP_ComputerSystem with the instance of HP_CommonRecordLog.

The following table lists the properties implemented.

Property Name	Property Implementation
CIM_Dependency	
CIM_UseOfLog	
HP_UseOfLog	
Antecedent	Reference HP_CommonRecordLog.
Dependent	Reference HP_ComputerSystem.

1-3 Provider Indications

Indications Generated by the Provider This provider generates no indications.