
1 HP Insight Management WBEM Profile Registration Provider

Description The HP Insight Management Web-Based Enterprise Management (WBEM) Management Profile Registration provider extends the management capability of referencing profiles by adding the capability to represent HP Management Processor on HP servers. This provider implements the following profiles and installs the necessary files:

Profile Name	Organization	Version
HP Profile Registration Profile (PO0100)	HP WBEM TC	1.0.0

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_RegisteredProfile`

- SMX_ExtendsProfile
- SMX_ReferencedProfile
- SMX_PRPBaseServerECTP

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_RegisteredProfile Class

The `SMX_RegisteredProfile` class implements the Distributed Management Task Force (DMTF) and Storage Networking Industry Association (SNIA) SMI-S storage profiles.

The following table lists the properties implemented.

Property Name	Property Implementation
CIM_ManagedElement	
Caption	The DMTF Profile table lists the property values for this class.
Description	The DMTF Profile table lists the property values for this class.
ElementName	The DMTF Profile table lists the property values for this class.
CIM_RegisteredProfile	
AdvertiseTypeDescriptions	NULL for DMTF profiles None for SNIA SMI-S storage profiles
AdvertiseTypes	3 (SLP)
InstanceID	HPQ: <n> Where: : <n> is a unique number.
OtherRegisteredOrganization	NULL for DMTF profiles None for SNIA SMI-S storage profiles. "HP WBEM TC" for HP extension profiles.
RegisteredName	The DMTF Profile table lists the property values for this class.

Property Name	Property Implementation
RegisteredOrganization	1 (Other) for HP extension profiles 2 (DMTF) for DMTF profiles 11 (SNIA) for SNIA SMI-S storage profiles
RegisteredVersion	The DMTF Profile table lists the property values for this class.

The following table lists all possible DMTF Profiles. Some implementations only support a subset of these profiles so only the subset is reported.

RegisteredName	Registered Version	Caption/Description/ElementName
Base Server	1.0.0a	DMTF Base Server Profile
CPU	1.0.0c	DMTF CPU Profile
Fan	1.0.0a	DMTF Fan Profile
Power Supply	1.0.0c	DMTF Power Supply Profile
System Memory	1.0.0f	DMTF System Memory Profile
Physical Asset	1.0.0a	DMTF Physical Asset Profile
OS Status	1.0.0a	DMTF OS Status Profile
Record Log	1.0.0	DMTF Record Log Profile
Ethernet Port	1.0.0	DMTF Ethernet Port Profile
IP Interface	1.0.1	DMTF IP Interface Profile
Sensors	1.0.1	DMTF Sensors Profile
PCI Device	1.0.0a	DMTF PCI Device Profile
Software Inventory	1.0.0	DMTF Software Inventory Profile
Profile Registration	1.0.0	DMTF Profile Registration Profile

The following table lists all possible SNIA Profiles. Some implementations only support a subset of these profiles so only the subset is reported.

RegisteredName	Registered Version	Caption/Description/ElementName
Block Services	1.3.0	SNIA Block Services Profile
Disk Drive Lite	1.3.0	SNIA Disk Drive Lite Profile

RegisteredName	Registered Version	Caption/Description/ElementName
Extent Composition	1.2.0	SNIA Extent Composition Profile
Disk Sparing	1.3.0	SNIA Disk Sparing Profile
Generic Initiator Ports	1.3.0	SNIA Generic Initiator Ports Profile
DA Target Ports	1.3.0	SNIA DA Target Ports Profile
Indication	1.3.0	SNIA Indication Profile
Host Hardware RAID Controller	1.1.0	SNIA Host Hardware RAID Controller Profile
FC Initiator Port	1.3.0	SNIA FC Initiator Port Profile
FC HBA	1.3.0	SNIA FC HBA Profile

The following table lists all possible HP WBEM TC Profiles. Some implementations only support a subset of these profiles so only the subset is reported.

RegisteredName	Registered Version	Caption/Description/ElementName
HP Base Server	1.0.0	HP Base Server Profile
HP CPU	1.0.0	HP CPU Profile
HP Fan	1.3.0	HP Fan Profile
HP Power Supply	1.3.0	HP Power Supply Profile
HP System Memory	1.0.0	HP Memory Profile
HP Base Server Physical Asset	1.0.0	HP Base Server Physical Asset Profile
HP CPU Physical Asset	1.0.0	HP CPU Physical Asset Profile
HP Memory Physical Asset	1.0.0	HP Memory Physical Asset Profile
HP Fan Physical Asset	1.0.0	HP Fan Physical Asset Profile
HP Power Supply Physical Asset	1.0.0	HP Power Supply Physical Asset Profile
HP CPU Consolidated Status	1.0.0	HP CPU Consolidated Status Profile
HP Sensors	1.0.0	HP Sensors Profile
HP Record Log	1.0.0b	HP Record Log Profile

RegisteredName	Registered Version	Caption/Description/ElementName
HP Software Inventory	1.0.0	HP Software Inventory Profile
HP Blade System Lite	2.0.3	HP Blade system Lite Profile
HP Management Processor Lite	2.0.1	HP Management Processor Lite Profile
HP FC HBA	1.0.0	HP FC HBA Profile
HP Storage Enclosure	1.0.0	HP Storage Enclosure Profile
HP Profile Registration	1.0.0	HP Profile Registration Profile
HP Smart Array	1.3.0	HP Smart Array Profile

1-2-2 SMX_ExtendsProfile Class

The `SMX_ExtendsProfile` class extends the `CIM_Dependency` class and associates an extension profile registration and the parent profile it extends.

The following table lists the properties implemented.

Property Name	Property Implementation
CIM_Dependency	
HP_ExtendsProfile	
Antecedent	References <code>CIM_RegisteredProfile</code> (extended)
Dependent	References <code>HP_RegisteredProfile</code> (extends)

1-2-3 SMX_ReferencedProfile Class

The `SMX_ReferencedProfile` class extends the `CIM_ReferencedProfile` class and associates an HP profile that references another profile when both are registered in the `root\Interop` namespace.

The following table lists the properties implemented.

Property Name	Property Implementation
CIM_Dependency	
SMX_ReferencedProfile	
Antecedent	References <code>CIM_RegisteredProfile</code> (referenced)
Dependent	References <code>CIM_RegisteredProfile</code> (referenced)

1-2-4 SMX_PRPBaseServerECTP Class

The `SMX_PRPBaseServerECTP` class extends the `CIM_ElementConformsToProfile` class and associates the Base Server registered profile with the HP specific central class that defined the implementation of the profile.

The following table lists the properties implemented.

Property Name	Property Implementation
CIM_ElementConformsToProfile	
ConformantStandard	References <code>CIM_RegisteredProfile</code>
ManagedElement	References <code>CIM_ManagedElement</code> (<code>HP_ComputerSystem</code> for server and network profiles, the storage computer system for storage profiles)
HP_ElementConformsToProfile	

1-3 Provider Indications

Indications Generated by the Provider This provider generates no indications.