



CHAPTER 4

Supported Profiles

This chapter describes the SMASH profiles supported by the Cisco UCS Servers. Profile specifications are available from the DMTF at this URL:

<http://www.dmtf.org/standards/profiles>

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Base Server Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1004_1.0.1.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_ComputerSystem	CIM_ComputerSystem
CCIM_SystemDevice	CIM_SystemDevice
CCIM_CSEnabledLogicalElementCapabilities	CIM_EnabledLogicalElementCapabilities

Cisco Class	CIM Class
CCIM_ComputerSystemPackage	CIM_ComputerSystemPackage
CCIM_CSElementCapabilities	CIM_ElementCapabilities
CCIM_Chassis	CIM_Chassis
CCIM_CSowningCollectionElement	CIM_OwningCollectionElement
CCIM_CSCapabilitiesConcreteCollection	CIM_ConcreteCollection
CCIM_CSCapabilitiesMemberOfCollection	CIM_MemberOfCollection

Modifiable Properties

The following properties of this profile can be modified:

Property	Class	Required User Role
RequestStateChange	CCIM_ComputerSystem	user or admin

CLP Admin Domain Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1007_1.0.0.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_AdminDomain	CIM_AdminDomain
CCIM_HardwareConcreteCollection	CIM_ConcreteCollection
CCIM_SMCLPADHardwareMemberOfCollection	CIM_MemberOfCollection
CCIM_SMCLPADOwningCollectionElement	CIM_OwningCollectionElement
CCIM_SMCLPADSystemComponent	CIM_SystemComponent
CCIM_ADMProfilesOwningCollectionElement	CIM_OwningCollectionElement
CCIM_ADMProfilesMemberOfCollection	CIM_MemberOfCollection
CCIM_ADMProfilesConcreteCollection	CIM_ConcreteCollection

CLP Service Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1005_1.0.1.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_CLPProtocolEndpoint	CIM_CLPProtocolEndpoint
CCIM_CLPConcreteJob	CIM_ConcreteJob
CCIM_CLPProtocolService	CIM_ProtocolService

Cisco Class	CIM Class
CCIM_TCPEndPoint	CIM_TCPProtocolEndpoint
CCIM_CLPSettingData	CIM_CLPSettingData
CCIM_CLPJobQueue	CIM_JobQueue
CCIM_CLPCapabilities	CIM_CLPCapabilities
CCIM_CLPJobDestinationJobs	CIM_JobDestinationJobs
CCIM_CLPEndpointOwningJobElement	CIM_OwningJobElement
CCIM_CLPServiceOwningJobElement	CIM_OwningJobElement
CCIM_CLPProvidesEndpoint	CIM_ProvidesEndpoint
CCIM_HostedCLPAccessPoint	CIM_HostedAccessPoint
CCIM_SPHostedJobDestination	CIM_HostedJobDestination
CCIM_CLPElementSettingData	CIM_ElementSettingData
CCIM_CLPServiceAffectsJobQueue	CIM_ServiceAffectsElement
CCIM_CLPElementCapabilities	CIM_ElementCapabilities
CCIM_CLPServiceAffectsAdminDomain	CIM_ServiceAffectsElement
CCIM_HostedTCPAccessPoint	CIM_HostedAccessPoint
CCIM_CLPAccessByTCP	CCIM_CLPAccessByTCP

Modifiable Properties

The following properties of this profile can be modified:

Property	Class	Required User Role
RequestStateChange	CCIM_CLPConcreteJob	user or admin
GetError	CCIM_CLPConcreteJob	user or admin

CPU Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1022_1.0.1.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_Processor	CIM_Processor
CCIM_ProcessorCapabilities	CIM_ProcessorCapabilities
CCIM_ProcessorCollection	CIM_ConcreteCollection
CCIM_ProcessorElementCapabilities	CIM_ElementCapabilities
CCIM_ProcessorMemberOfCollection	CIM_MemberOfCollection

Fan Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1013_1.0.1.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_Fan	CIM_Fan
CCIM_FanRedundancySet	CIM_RedundancySet
CCIM_FanMemberOfCollection	CIM_MemberOfCollection
CCIM_AssociatedCooling	CIM_AssociatedCooling
CCIM_FanOwningCollectionElement	CIM_OwningCollectionElement
CCIM_CSHostedFanRedundancy	CIM_HostedCollection
CCIM_FanSetCollection	CIM_ConcreteCollection
CCIM_FanSetMemberOfCollection	CIM_MemberOfCollection
CCIM_OwningFanSetCollectionElement	CIM_OwningCollectionElement

Indicator LED Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1074_1.0.0.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_IndicatorLED	CIM_IndicatorLED
CCIM_IndicatorLEDCapabilities	CIM_IndicatorLEDCapabilities
CCIM_AssociatedIndicatorLED	CIM_AssociatedIndicatorLED
CCIM_LEDElementCapabilities	CIM_ElementCapabilities
CCIM_FaultDiagnosisLED	CIM_IndicatorLED
CCIM_FaultDiagnosisLEDCapabilities	CIM_IndicatorLEDCapabilities
CCIM_LEDCollection	CIM_ConcreteCollection
CCIM_LEDMemberOfCollection	CIM_MemberOfCollection

Modifiable Properties

The following properties of this profile can be modified:

Property	Class	Required User Role
ActivationState	CCIM_IndicatorLED	user or admin

Physical Asset Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1011_1.0.2.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_PhysicalAssetCapabilities	CIM_PhysicalAssetCapabilities
CCIM_CPUChip	CIM_Chip
CCIM_CPUSlot	CIM_Slot
CCIM_BaseBoard	CIM_Card
CCIM_MemoryRiser	CIM_Card
CCIM_MemoryRiserSlot	CIM_Slot
CCIM_MemorySlot	CIM_Slot
CCIM_ChassisFanPhysicalComponent	CIM_PhysicalComponent
CCIM_ChassisFanSlot	CIM_Slot
CCIM_PowerSupplyPhysicalComponent	CIM_PhysicalComponent
CCIM_PowerSupplySlot	CIM_Slot
CCIM_StoragePhysicalComponent	CIM_PhysicalComponent
CCIM_StorageSlot	CIM_Slot
CCIM_PhysicalAssetElementCapabilities	—
CCIM_ChassisContainer	CIM_Container
CCIM_BaseBoardContainer	CIM_Container
CCIM_MemoryRiserContainer	CIM_Container
CCIM_ChassisFanInSlot	CIM_PackageInConnector
CCIM_PowerSupplyInSlot	CIM_PackageInConnector
CCIM_StorageInSlot	CIM_PackageInConnector
CCIM_CPUInSlot	CIM_PackageInConnector
CCIM_MemoryRiserInSlot	CIM_PackageInConnector
CCIM_MemoryInSlot	CIM_PackageInConnector
CCIM_ChassisFanRealizes	CIM_Realizes
CCIM_CPURealizes	CIM_RealizesProcessor
CCIM_PowerSupplyRealizes	CIM_Realizes

Power State Management Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1027_1.0.1.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_CSPowerManagementService	CIM_PowerManagementService
CCIM_CSAssociatedPowerManagementService	CIM_AssociatedPowerManagementService
CCIM_PMSElementCapabilities	CIM_ElementCapabilities
CCIM_CSPowerManagementCapabilities	CIM_PowerManagementCapabilities

Modifiable Properties

The following properties of this profile can be modified:

Property	Class	Required User Role
RequestPowerChange	CCIM_CSPowerManagementService	user or admin

Power Supply Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1015_1.1.0.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_PowerRedundancySet	CIM_RedundancySet
CCIM_PowerSupply	CIM_PowerSupply
CCIM_PSMemberOfCollection	CIM_MemberOfCollection
CCIM_PSOWningCollectionElement	CIM_OwningCollectionElement
CCIM_CSHostedPowerRedundancy	CIM_HostedCollection
CCIM_PSAssociatedSensor	CIM_AssociatedSensor

Profile Registration Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1033_1.0.0.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_ElementConformsToProfile	CIM_ElementConformsToProfile
CCIM_RegisteredProfile	CIM_RegisteredProfile
CCIM_ElementConformsToProfile	CIM_ElementConformsToProfile
CCIM_CSReferencedProfile	CIM_RegisteredProfile
CCIM_SPReferencedProfile	CIM_RegisteredProfile

Record Log Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1010_2.0.0.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_SELRecordLog	CIM_RecordLog
CCIM_SELLogEntry	CIM_LogEntry
CCIM_SELLogManagesRecord	CIM_LogManagesRecord
CCIM_CSUseOfLog	CIM_UseOfLog
CCIM_SysRecordLog	CIM_RecordLog
CCIM_SysLogEntry	CIM_LogEntry
CCIM_SysLogManagesRecord	CIM_LogManagesRecord
CCIM_SPUseOfLog	CIM_UseOfLog

Modifiable Properties

The following properties of this profile can be modified:

Property	Class	Required User Role
ClearLog	CCIM_SELRecordLog	user or admin

Sensors Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1009_1.0.2.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_Sensor	CIM_Sensor
CCIM_NumericSensor	CIM_NumericSensor
CCIM_AssociatedSensor	CIM_AssociatedSensor
CCIM_CSSensorsConcreteCollection	CIM_ConcreteCollection
CCIM_CSSensorsMemberOfCollection	CIM_MemberOfCollection

Modifiable Properties

The following properties of this profile can be modified:

Property	Class	Required User Role
LowerThresholdNonCritical	CCIM_NumericSensor	admin
LowerThresholdCritical	CCIM_NumericSensor	admin
LowerThresholdFatal	CCIM_NumericSensor	admin
UpperThresholdNonCritical	CCIM_NumericSensor	admin
UpperThresholdCritical	CCIM_NumericSensor	admin
UpperThresholdFatal	CCIM_NumericSensor	admin

Service Processor Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1018_1.0.0.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_SPComputerSystem	CIM_ComputerSystem
CCIM_TimeService	CIM_TimeService
CCIM_SPHostedService	CIM_HostedService
CCIM_SystemComponent	CIM_SystemComponent

Modifiable Properties

The following properties of this profile can be modified:

Property	Class	Required User Role
ManageTime	CCIM_TimeService	read-only, user, or admin

System Memory Profile

The specification for this profile can be found at this URL:

http://www.dmtf.org/sites/default/files/standards/documents/DSP1026_1.0.0.pdf

This profile supports the following classes:

Cisco Class	CIM Class
CCIM_Memory	CIM_Memory
CCIM_PhysicalMemory	CIM_PhysicalMemory
CCIM_MemoryRealizes	CIM_Realizes

