

DMTF Common Information Model (CIM) Specification

Readme

Version 2.15.0

April 2007

This document describes the changes that have been incorporated into the CIM schema for the CIM Version 2.15.0 release.

The *experimental* ZIP file contains entities that were approved for CIM V2.15.0 that did not have sufficient implementation experience to be taken Final. The *final* ZIP file contains entities that have at least two independent implementations. Entities that are designated as final cannot be changed in a backward incompatible way between point releases.

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1.0 Installation

To install the CIM V2.15.0 schema:

- 1. Download the ZIP files from the DMTF CIM standards page (http://www.dmtf.org/standards/cim/). The ZIP files can be found under the "CIM Schema and Specifications" section. The release contains both the experimental and final MOFs.
 - cim2150Experimental-MOFs.zip
 - cim2150Final-MOFs.zip

This file contains all the MOF files that are part of the CIM schema. The experimental ZIP file contains the latest experimental schema. This schema may change in a backward incompatible way based on implementation experience. The final ZIP file contains just the portions of the schema that is in a final state.

- cim2150Experimental-xmlAll.zip
- cim2150Final-xmlAll.zip

This file contains a rendering of the CIM schema in XML into a single file.

- cim2150Experimental-xmlClasses.zip
- cim2150Final-xmlClasses.zip

This file contains a rendering of the CIM schema in XML into individual files, one file per entity.

- cim2150Experimental-Visios.zip
- cim2150Final-Visios.zip

This file contains the UML representations of the CIM schema in Visio format.

- cim2150Experimental-PDFs.zip
- cim2150Final-PDFs.zip

This file contains the UML representations of the CIM schema in PDF format

2. Unzip the downloaded files. Please be aware that the MOFs will be expanded into the directory that you specify. Subdirectories are created for each separate model area.

2.0 Schema Changes

This section describes the changes that were made for CIM V2.15.0.

Changes for CIM V2.15.0 Final

The table below contains the list of changes for CIM V2.15.0 final.

Class	Change
Qualifiers_optional.mof	ARCHCR00071
	Add new DisplayDescription qualifier
Qualifiers.mof	ARCHCR00072
	Deprecate units and add programmatic units
Core/CIM_ProductElementComponent.mof	CIMCoreCR00827
	Update associations related to Product
System/CIM_ComputerSystem.mof	CIMCoreCR00827
	Add enumeration values to Dedicated property of CIM_ComputerSystem
	for Host-based RAID Controllers and Storage Device Enclosures.
Device/CIM_Processor	CIMCoreCR00868, CIMCoreCR00879, CIMCoreCR00887
	Add new processor family value.
Device/CIM_Sensor.mof	CIM_CoreCR00881
	Add new enumerations to SensorType
Device/CIM_Processor	CIMCoreCR00885
	Match values that SMBIOS used to support Type 4 enum extension.
Device/CIM_ControllerConfigurationService.mof	CIMCoreCR00891
3	Remove inappropriate 'Required' qualifiers from
	ControllerConfigurationService methods
Device/CIM_SCSIInitiatorTargetLogicalUnitPath.mof	CIMCoreCR00892
	New Parent Class with up-leveling of some properties.
Core/CIM_ProtocolEndpoint.mof	CIMCoreCR00896
	Add protocols that are outside the scope of IANA IFType
System/CIM_ComputerSystem.mof	CIMCoreCR00898
	Fix description of ComputerSystem.Dedicated
Core/CIM_System.mof	CIMCoreCR00902
System/CIM_ComputerSystem.mof	Promote OtherIdentifyingInfo and IdentifyingDescriptions
System/CIM_UnitaryComputerSystem.mof	CIMCoreCR00903
	Deprecate CIM_UnitaryComputerSystem
Device/CIM_LogicalDisk.mof	CIMCoreCR00904
	Promote LogicalDisk experimental properties and description to Final
System/CIM_ComputerSystem.mof	DMWGCR00030
	Add values to Dedicated Property
Network/CIM_X509CredentialFilterEntry.mof	DMTFCR01781
	Add leading zero to hex value.
Core/CIM_PowerManagementCapabilities.mof	SMWGCR00102
Core/CIM_PowerManagementService.mof	Deprecate CIM_PowerManagementCapabilities.PowerCapabilities,
	CIM_PowerManagementCapabilities.OtherPowerCapabilitiesDescriptions
	and CIM_PowerManagementService.SetPowerState() method.
Core\CIM_AffectedJobElement	SVPCCR00026
	Support changes to represent System Virtualization

Changes for CIM V2.15.0 Experimental

The table below contains the list of changes for CIM V2.15.0 experimental.

Class	Change
Core/EnabledLogicalElement.mof	CIMCoreCR00874
	Add new properties to EnabledLogicalElement to provide useful
Core/ CIM_SettingsDefineState.mof	CIMCoreCR00878
oorer onm_oeungspenneolale.mon	Add SettingsDefineState association
Core/CIM_SettingData.mof	CIMCoreCR00888
Core/CIM_StorageSetting.mof	Improve usage of CIM_SettingData to represent a configuration.
Core/CIM_ElementSettingData.mof	CIMCoreCR00889
eore/onm_ElementoettingData.mon	Clarify usage of CIM_SettingData to represent applied/pending settings
Device/CIM_InitiatorTargetLogicalUnitPath.mof	CIMCoreCR00892
Device/CIM_ATAInitiatorTargetLogicalUnitPath.mof	New Parent Class for SCSIInitiatorTargetLogicalUnitPath to
	accommodate ATA InitiatorTargetLogicalUnitPath.
Device/CIM_AlarmDeviceCapabilities.mof	CIMCoreCR00895
Device/Onim_AlarinDeviceOapabilities.mol	New class to support Alarm Device Profile
Core/CIM_RemoteServiceAccessPoint.mof	CIMCoreCR00895
Core/Chin_RemoteServiceAccessPoint.mon	Extend CIM_RemoteServiceAccessPoint.AccessContext with additional
	values.
Security/CIM_IPPacketFilterIndication.mof	DMTFCR01782
Security/CIM_SecurityIndication.mof	Get rid of extra comments / #pragma.
Security/CIM IPNetworkSecurityIndication.mof	Gerna of extra comments / "pragma.
Core\CIM_VirtualSystemManagementCapabilities.mof	DMTFCR01783
Core Chin_vinualSysteminianagementCapabilities.mor	Change IndicationsSupported from boolean to uint16
Core\CIM_ResourcePoolConfigurationCapabilities.mof	DMTFCR01784
Core/CIM_ResourcePoolConfigurationCapabilities.mol	Reconcile names of methods to make them consistent between mofs
	NetworksCR00092
Networs/CIM_Network.mof	
Cons/CIM DeverMenenenetConschilition mot	Modify CreateNetworkPipe() to take multiple SAPs and to return a Job
Core/CIM_PowerManagementCapabilities.mof	SMWGCR00103
Core/CIM_PowerManagementService.mof	Modify the enumerations and Model Correspondence of
	CIM_PowerManagementCapabilities.PowerStatesSupported. Modify the
	description of
	CIM_PowerManagementService.RequestPowerStateChange() SVPCCR00026
Core\CIM_VirtualSystemManagementService.mof	SVPCCR00026
Core\CIM_VirtualSystemManagementCapabilities	CIM Schema changes for System Virtualization Profile
Core\CIM_AggregatedVirtualSystemManagementService CIM_ElementAllocatedFromPool.mof	0)/00000000
CIM_ElementAllocatedFromPool.mof CIM_HostedResourcePool.mof	SVPCCR00032 Introduce ResourcePool and related resource allocation classes
	Introduce ResourcePool and related resource allocation classes
CIM_RecordedSetting.mof	
CIM_ResourceAllocationFromPool.mof	
CIM_ResourceAllocationSettingData.mof CIM_ResourcePool.mof	
CIM_ResourcePoolConfigurationCapabilities.mof	
CIM_ResourcePoolConfigurationCapabilities.mol	
CIM_StoragePool.mof	
CIM_StoragePool.mof	
CIM_AllocatedFromStoragePool.mof	
Onin_Anotaleur fornolorager ool.mor	
Metric/CIM_AggregationMetricDefinition.mof	WGAPPCR00056
Metric/CIM_AggregationMetricValue.mof	Add watermark support to metrics model
Metric/CIM_AggregationMetric value.mol	WGAPPCR00057
Metric/CIM_MetricDefForME.mof	Add support for controlling Metrics
Metric/CIM_MetricServiceCapabilities.mof	
Metric/CIM_MetricServiceCapabilities.mon	
Event/ CIM_FilterCollection.mof	WIPCR00328
Event/ Clivi_FilterCollection.mol	Create CIM_FilterCollection
Event/CIM IndicationSubscription met	WIPCR00329
Event/CIM_IndicationSubscription.mof Event/CIM AbstractIndicationSubscription.mof,	
	Insert abstract subscription, add new filter subscription subclass
Interop/CIM_Error.mof	WIPCR00347
	Align PerceivedSeverity property in CIM_Error with CIM_Indication and
	CIM_AlertIndication
User/CIM_RoleBasedManagementCapabilties.mof	WIPCR00348 Add CIM_RoleBasedManagementCapabilities class

Interop/CIM_Error.mof	WIPCR00352
Interop/CIM_AlertIndication.mof	Clarify usage of MessageArguments
Event/CIM_IndicationService.mof	WIPCR00354
Event/CIM_IndicationServiceSettingData.mof Event/CIM_IndicationServiceCapabilities.mof	Update IndicationService to align with SettingData and add Capabilities
Application/CIM_MemoryCheck.mof	ARCHCR00089.004.htm
Application/CIM_DiskSpaceCheck.mof	Add PUnit qualifier values to Units qualifier values
Application/CIM_FileSpecification.mof	Add i Onit quainer values to Onits quainer values
Application/CIM_SwapSpaceCheck.mof	
Device/CIM_ADSLModem.mof	
Device/CIM_ADSLModem.mof	
Device/CIM_AGPVideoController.mof	
Device/CIM_AGPVideoController.mof	
Device/CIM_AGPVideoDisplayController.mof	
Device/CIM_AGPVideoDisplayController.mof	
Device/CIM_BlockStorageStatisticalData.mof	
Device/CIM_BlockStorageStatisticalData.mof Device/CIM_BlockStorageStatisticalData.mof	
Device/CIM_BlockStorageStatisticalData.mol	
Device/CIM_Memory.mo	
Device/CIM_ADSLModem.mof	
Device/CIM_IBPort.mof	
Device/CIM_MediaAccessDevice.mof	
Device/CIM_PCIBridge.mof	
Device/CIM_PCIController.mof	
Device/CIM_PCIDevice.mof	
Device/CIM_PCIDevice.mof	
Device/CIM_PointingDevice.mof	
Device/CIM_PrintJob.mof	
Device/CIM_PrintQueue.mof Device/CIM Printer.mof	
Device/CIM_Unimodem.mof	
IPsecPolicy/CIM_IKEProposal.mof	
IPsecPolicy/CIM_PreconfiguredSAAction.mof	
IPsecPolicy/CIM_SANegotiationAction.mof	
Network/CIM_AverageRateMeterService.mof	
Network/CIM_BoundedPrioritySchedulingElement.mof	
Network/CIM_EWMAMeterService.mof	
Network/CIM_MPLSProtocolEndpoint.mof	
Network/CIM_MPLSProtocolEndpoint.mof	
Network/CIM_MPLSQosPRTrfcProf.mof Network/CIM_MPLSTunnel.mof	
Network/CIM_MPLSTunnel.mof	
Network/CIM MPLSTunnel.mof	
Network/CIM_REDDropperService.mof	
Network/CIM_REDDropperService.mof	
Network/CIM_SATransform.mof	
Network/CIM_SecurityAssociationEndpoint.mof	
Network/CIM_TokenBucketMeterService.mof	
Network/CIM_TokenBucketMeterService.mof	
Network/CIM_TokenBucketMeterService.mof	
Network/CIM_TokenBucketMeterService.mof Physical/CIM_MemoryCapacity.mof	
Physical/CIM_MemoryCapacity.mof	
Physical/CIM Chassis.mof	
Physical/CIM_ChassisInRack.mof	
Physical/CIM_Rack.mof	
System/CIM_OperatingSystem.mof	
System/CIM_OperatingSystem.mof System/CIM_UnixProcessStatisticalInformation.mof	
System/CIM_UnixProcessStatisticalInformation.mof	
System/CIM_UnixProcessStatisticalInformation.mof	
System/CIM_UnixProcessStatisticalInformation.mof	
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