Page 2 : Software Element Checks

CIM_ManagedElement
(See Core Model)

CIM_SoftwareElement
(See Applications Model
(Software Element page))

CIM_DirectorySpecification
DirectoryType:uint16
DirectoryPath:string

CIM_DirectorySpecificationFile

CIM_FileSpecification
FileName:string
CreateTimeStamp:datetime
FileSize:uint64
CheckSum:uint32
CRC1:uint32
CRC2:uint32
MD5Checksum:string

CIM_MemoryCheck
MemorySize:uint64
(Units)

CIM_DiskSpaceCheck
AvailableDiskSpace:uint64
(Units)

CIM_SwapSpaceCheck
SwapSpaceSize:uint64
(Units)

CIM_ArchitectureCheck
ArchitectureType:uint16
(Units)

CIM_OSVersionCheck
MinimumVersion:string
MaximumVersion:string

CIM_VersionCompatibilityCheck
AllowDownVersion:boolean
AllowMultipleVersions:boolean
Reinstall:boolean

CIM_SoftwareElementVersionCheck
SoftwareElementName:string
LowerSoftwareElementVersion:string
UpperSoftwareElementVersion:string
SoftwareElementStateDesired:uint16
TargetOperatingSystemDesired:uint16

CIM_SettingCheck
SectionKey:string
EntryName:string
EntryValue:string

CIM_SoftwareElementChecks

CIM_Check
Name:string
Version:string
SoftwareElementState:uint16
SoftwareElementID:string
TargetOperatingSystem:uint16
CheckID:string
CheckMode:boolean

Invoke():uint32
InvokeOnSystem(
[IN] CIM_ComputerSystem REF TargetSystem):uint32

Association
Aggregation
Inheritance
Association with WEAK reference
Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
(E) Experimental Class or Property
(D) Deprecated Class or Property
Page 4 : Associated System Software Features and Elements

- Inheritance
- Association
- Association with WEAK reference
- Aggregation
- Aggregation with WEAK reference
- Composition Aggregation
- Equivalent to: 0..n
- (E) Experimental Class or Property
- (D) Deprecated Class or Property

Diagram:

- CIM_LogicalElement
- CIM_SoftwareFeature
- CIM_SoftwareElement
- CIM_Service
- CIM_System
- CIM_OperatingSystem
- CIM_DiagnosticTest
- CIM_ComputerSystem
- CIM_InstalledSoftwareElement
- CIM_OperatingSystemSoftwareFeature
- CIM_SoftwareFeatureSoftwareElements

Classes:
- CIM_LogicalElement
- CIM_Service
- CIM_System
- CIM_OperatingSystem
- CIM_DiagnosticTest
- CIM_ComputerSystem
- CIM_SoftwareElement

Relationships:
- Association
- Aggregation
- Inheritance

Experimental/Deprecated Classes:
- (E) Experimental Class or Property
- (D) Deprecated Class or Property
Page 5 : BIOS and Device Driver Software

- **Inheritance**
  - Association
  - Aggregation
  - Association with WEAK reference
  - Aggregation with WEAK reference
  - Composition Aggregation

- **Equivalent to**: 0 .. n
- **(E)** Experimental Class or Property
- **(D)** Deprecated Class or Property

**Class Diagram**

- **CIM_LogicalElement** (See Core Model)
- **CIM_System** (See System Page (System))
- **CIM_ComputerSystem** (See System Page (System))
- **CIM_SoftwareFeature** (See Application Model)
- **CIM_SoftwareElement** (See Application Model)
- **CIM_BIOSElement**
  - Version: string (Override)
  - Manufacturer: string (Override)
  - PrimaryBIOS: boolean
  - ListOfLanguages: string[]
  - CurrentLanguage: string
  - LoadedStartingAddress: uint64
  - LoadedEndingAddress: uint64
  - LoadedUtilityInformation: string
  - ReleaseDate: datetime

- **CIM_BIOSFeature**
  - Characteristics: uint16 [] (enum)
  - CharacteristicDescriptions: string []

- **CIM_VideoBIOSFeature**
  - Characteristics: uint16 [] (enum)
  - CharacteristicDescriptions: string []

- **CIM_VideoBIOSFeature**
  - IsShadowed: boolean
  - ReleaseDate: datetime

- **CIM_AGPSoftwareFeature**
  - Characteristics: uint16 [] (enum)
  - CharacteristicDescriptions: string []

- **CIM_BIOSFeature**
  - SoftwareElements

- **CIM_VideoBIOSFeature**
  - VideoBIOSElements

- **CIM_SystemBIOS**
  - 0..1

- **CIM_EnabledLogicalElement** (See Core Model)
CIM_ApplicationSystem

(See Page 1 this model. Properties and methods are repeated since they apply mainly to the application runtime)

Distribution: uint16 [ ] (enum)
EnabledState: uint16 (enum, override)
StartupScript: datetime
ServingStatus: uint16 (enum)
LastServingStatusUpdate: datetime
StartApplication():uint16
StopApplication():uint16

CIM_StatisticalData

(See Core Model)

LastActivity: datetime
NumberOfActiveRequests: uint32
NumberOfActiveRequestors: uint32
AverageResponseTime: uint32 (units)

CIM_StatisticalRuntimeOverview

CIM_ApplicationSystemHierarchy

CIM_AssociatedAppSystem

OverviewStatistics

CIM_ApplicationSystemDependency

Inheritance

Association

Aggregation

Aggregation with WEAK reference

Composition Aggregation

* Equivalent to: 0 .. n
(E) Experimental Class or Property
(D) Deprecated Class or Property