**StatisticalData**

(See Core Model
(Statistics 1))

**ImagingStatisticalData (E)**

OtherPersistenceType: string
PersistenceType: uint16 (enum)
SNMPKeyId: uint32

**ImagingMediaUsedStatisticalData (E)**

BlankSheets: uint32
FullColorSheets: uint32
HighlightColorSheets: uint32
MediaAccountingKey: string
MediaInfo: string [256]
MediaName: string [256]
MediaSizeName: string
MonochromeSheets: uint32
SNMPRowId: uint32
TotalSheets: uint32

**ImagingMonitorStatisticalData (E)**

AbortedJobs: uint32
CanceledJobs: uint32
CompletedFinisherJobs: uint32
ConfigChanges: uint32
CriticalAlerts: uint32
InputKOctets: uint32
InputMessages: uint32
LocalStorageKOctets: uint32
MemoryAllocErrors: uint32
MemoryAllocWarnings: uint32
OutputKOctets: uint32
OutputMessages: uint32
RemoteStorageKOctets: uint32
StorageAllocErrors: uint32
StorageAllocWarnings: uint32
TotalAlerts: uint32

**ImagingWorkStatisticalData (E)**

BlankImpressions: uint32
BlankSheets: uint32
FullColorImpressions: uint32
FullColorSheets: uint32
FullColorTwoSidedImpressions: uint32
HighlightColorImpressions: uint32
HighlightColorSheets: uint32
HighlightColorTwoSidedImpressions: uint32
MonochromeImages: uint32
MonochromeImpressions: uint32
MonochromeSheets: uint32
MonochromeTwoSidedImpressions: uint32
OtherWorkType: string [255]
TotalImages: uint32
TotalImpressions: uint32
TotalSheets: uint32
TotalTwoSidedImpressions: uint32
WorkType: uint16 (enum)
PowerManagedElement
(See Core Model (Overview))

ManagedSystemElement
(See Core Model (Managed System Element))

Capabilities
(See Core Model (SettingData, Profiles, Cap., & Power Mgmt))

LogicalElement
(See Core Model (Managed System Element))

EnabledLogicalElement
(See Core Model (Enabled Logical Element))

PowerUtilizationManagementService
PowerUtilizationMode: uint16 [enum]

ApplyPowerAllocationSettings(
  [IN] PowerAllocationSettings: string,
  [OUT] Job: ref CIM_ConcreteJob
) : uint32 [enum]

PowerUtilizationManagementService
PowerUtilizationMode: uint16 [enum]

SetPowerState{
  [IN] PowerState: uint16 [enum],
  [IN] ManagedElement: ref ManagedElement,
  [IN] Time: datetime
} : uint32 [D]

RequestPowerStateChange(
  [IN] PowerState: uint16 [enum],
  [IN] ManagedElement: ref ManagedElement,
  [IN] Time: datetime,
  [IN] TimeoutPeriod: datetime
) : uint32 [E]

PowerTopologyService (E)
ConfigureExternalPowerSources(
  [IN] OwningComputerSystem: ref ComputerSystem,
  [IN] InternalPowerSources[]: ref PowerSource,
  [IN] ExternalPowerSources[]: ref PowerSource,
  [OUT] Job: ref CIM_ConcreteJob
) : uint32

PowerTopologyService

PowerTopologyCapabilities (E)
SupportedMethods[]: uint16 [enum]
RequestedPowerStatesSupported: uint16[] [enum]

PowerUtilizationManagementCapabilities
PowerUtilizationModesSupported: uint16[] [enum]
SupportedMethods: uint16[] [enum]
Service

(See Core Model (Logical Element))

```
BasicExecutionService {E}

CreateActivity (
 [IN] Request : string
 [OUT] Identifier : string
 [OUT] Job : ref CIM_ConcreteJob ) : uint16 {enum};

TerminateActivity (
 [IN] Request[] : string
 [OUT] Response[] : boolean
 [OUT] Job : ref CIM_ConcreteJob ) : uint16 {enum};

GetActivityStatus (
 [IN] Request[] : string
 [OUT] StatusResponse[] : string
 [OUT] Job : ref CIM_ConcreteJob ) : uint16 {enum};

GetActivityDocuments (
 [IN] Request[] : string
 [OUT] Response[] : string
 [OUT] Job : ref CIM_ConcreteJob ) : uint16 {enum};

GetAttributesDocument(
 [OUT] AttrsDoc[] : string
 [OUT] Job : ref CIM_ConcreteJob ) : uint16 {enum};
```
Opaque Data

SupportedExportURISchemes: uint64
MaxWriteLength: uint64
MaxReadLength: uint64
MaxAvailableStorage: uint64

Capabilities:
- Aggregation
- Association with WEAK reference
- Composition Aggregation
- Experimental Class or Property
- Aggregation with WEAK reference

Equivalent to:
- Composition Aggregation
- Association with WEAK reference
- Association
- Inheritance

Opaque Management Data (E)
- TransformedDataSize: uint64
- MaxSize: uint64
- UntransformedDataFormat: string
- Transformations: uint16[]
- TransformationKeyIDs: string (enum)
- LastAccessed: datetime
- WriteLimited: boolean
- DataFormat: string
- DataSize: uint64

Opaque Management Data Service (E)
- AvailableStorage: uint64
- LockTimeout: datetime
- MaxCreateSize: uint64

AssignAccess(
  [IN] Identity: ref CIM_Identity,
  [IN] OpaqueManagementData: ref CIM_OpaqueManagementData,
  [IN] Activities: uint16[] (enum)
) : uint32 (enum)

Create(
  [IN] MaxSize: uint64,
  [IN] DataFormat: string,
  [IN] ElementName: string,
  [IN] Owner: ref CIM_Identity,
  [IN] BasedOnExtent: ref CIM_StorageExtent,
  [OUT] OpaqueManagementData: ref CIM_OpaqueManagementData,
  [OUT] Job: ref CIM_ConcreteJob) : uint32 (enum)

ExportToURI(
  [IN] OpaqueManagementData: ref CIM_OpaqueManagementData,
  [IN] Offset: uint64,
  [IN.OUT] Length: uint64,
  [IN] ExportURI: string,
  [IN] LockToken: uint8[],
  [OUT] Job: ref CIM_ConcreteJob) : uint32 (enum)

ImportFromURI(
  [IN] OpaqueManagementData: ref CIM_OpaqueManagementData,
  [IN] Offset: uint64,
  [IN.OUT] Length: uint64,
  [IN] ImportURI: string,
  [IN] LockToken: uint8[],
  [OUT] Job: ref CIM_ConcreteJob) : uint32 (enum)

Lock(
  [IN] OpaqueManagementData: ref CIM_OpaqueManagementData,
  [IN] Lock: boolean,
  [IN.OUT] LockToken: uint8[]): uint32 (enum)

Read(
  [IN] OpaqueManagementData: ref CIM_OpaqueManagementData,
  [IN] Offset: uint64,
  [IN.OUT] Length: uint64,
  [OUT] Data: uint8[],
  [IN] LockToken: uint8[]): uint32 (enum)

Write(
  [IN] OpaqueManagementData: ref CIM_OpaqueManagementData,
  [IN] Offset: uint64,
  [IN.OUT] Length: uint64,
  [IN] Truncate: boolean,
  [IN] Data: uint8[],
  [IN] LockToken: uint8[],
  [OUT] Job: ref CIM_ConcreteJob) : uint32 (enum)
Fingerprint, Launch

Inheritance

Association
Association with WEAK reference
Aggregation
Aggregation with WEAK reference
Composition Aggregation

* Equivalent to: 0 .. n

(\text{E}) \text{ Experimental Class or Property}
(\text{D}) \text{ Deprecated Class or Property}

**Statistical Data**

(See Core Model (Statistics))

**Fingerprint Matching Statistics [E]**

NumberOfAccepts: uint32
NumberOfRejects: uint32

**Remote Service Access Point**

(See Core Model (Service))

**Launch In Context Service [E]**

CreateLaunchPoint(
[IN] LaunchPointSpecification: string,
[OUT] launchPoint: ref CIM_LaunchInContextSAP
): uint32 (enum)

**Launch In Context SAP [E]**

AccessContext: uint16
AccessInfo: string
InfoFormat: uint16
LaunchMessage: string
LaunchMessageProtocolOperation: uint16 (enum)
ManagementIsRestricted: boolean
ManagedClasses: string[]
ParameterConstraints: string[]
ParameterDerivation: string[]
ParameterDescription: string[]
ParameterName: string[]
ParameterType: uint16 (enum)
SupportedFeatureDescription: string[]
SupportedFeatureName: string[]
GetDerivedParametersForElement(
[OUT] ParameterValue: string[]
[IN] Self: ref CIM_ManagedElement
): uint32 (enum)

**Service**

(See Core Model (Logical Element))

**Enabled Logical Element Capabilities**

(See Core Model (Capabilities))

**Fingerprint Matching Service Capabilities [E]**

CompressionAlgorithmsSupported: uint16 (enum)
MatchingAlgorithmsSupported: string[] (256)
OtherTemplateFormats: string[] (256)
TemplateFormatsSupported: uint16 (enum)

**Launch In Context Capabilities [E]**

MaxLaunchPoints: uint16
MaxRestrictionListSize: uint16


<table>
<thead>
<tr>
<th>Method</th>
<th>Parameters</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ClearLog</td>
<td>(IN LogInstanceID: string)</td>
<td></td>
</tr>
<tr>
<td>Capability</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>--------------------</td>
<td>----------------------------------</td>
<td></td>
</tr>
<tr>
<td>Setting</td>
<td>ref ManagedElement (key, *), SettingData: ref SettingData (key, *)</td>
<td></td>
</tr>
<tr>
<td>ElementCapabilities</td>
<td>ManagedElement: ref ManagedElement (key, 1), Capabilities: ref Capabilities (key, *)</td>
<td></td>
</tr>
<tr>
<td>ElementConfiguration</td>
<td>ManagedElement: ref ManagedElement (key, 1), Configuration: ref Configuration (key, *)</td>
<td></td>
</tr>
<tr>
<td>ElementLocation</td>
<td>Element: ref ManagedElement (key, *), PhysicalLocation: ref Location (key, *)</td>
<td></td>
</tr>
<tr>
<td>ParameterValueSources</td>
<td>Parameters ref MethodParameters (key, *), ValueSource ref ManagedElement (key, *)</td>
<td></td>
</tr>
<tr>
<td>ProductFRU</td>
<td>Product: ref Product (key, 0..1), FRU: ref FRU (key, *)</td>
<td></td>
</tr>
<tr>
<td>ProductProductDependency</td>
<td>RequiredProduct: ref Product (key, *), DependentProduct: ref Product (key, *), TypeOfDependency: uint16 (enum)</td>
<td></td>
</tr>
<tr>
<td>ProductSupport</td>
<td>Product: ref Product (key, *), Support: ref SupportAccess (key, *)</td>
<td></td>
</tr>
<tr>
<td>RelatedStatistics</td>
<td>Stats: ref StatisticalInformation (key, *), Element: ref ManagedElement (key, *)</td>
<td></td>
</tr>
<tr>
<td>SystemStatistics</td>
<td>Stats: ref SystemStatisticalInformation (weak, *), Element: ref System (1)</td>
<td></td>
</tr>
<tr>
<td>ServiceStatistics</td>
<td>Stats: ref ServiceStatisticalInformation (weak, *), Element: ref Service (1)</td>
<td></td>
</tr>
<tr>
<td>SAPStatistics</td>
<td>Stats: ref SAPStatisticalInformation (weak, *), Element: ref ServiceAccessPoint (1)</td>
<td></td>
</tr>
<tr>
<td>PhysicalStatistics</td>
<td>Stats: ref PhysicalStatisticalInformation (weak, *), Element: ref PhysicalElement (1)</td>
<td></td>
</tr>
</tbody>
</table>
ElementFRU (E)
ReplaceableElement: ref CIM_PhysicalElement (key, *)
ReplacementElement: ref CIM_ReplacementFRU (key, *)

ElementHasBeenFRUed (E)
ReplacedElement: ref CIM_PhysicalElement (key, *)
ReplacementElement: ref CIM_PhysicalElement (key, *)

ServiceAvailableToElement
ServiceProvided: ref Service (key, *)
UserOfService: ref ManagedElement (key, *)

AssociatedPowerManagementService
ServiceProvided: ref CIM_PowerManagementService (key, *)
PowerState : uint16 (enum)
OtherPowerState : string
PowerOnTime : datetime
RequestedPowerState : uint16 (E)
OtherRequestedPowerState : uint16 (E)
TransitioningToPowerState: uint16 (enum,E)
AvailableRequestedPowerStates: uint16[] {enum, E}

SAPAvailableForElement
AvailableSAP: ref ServiceAccessPoint (key, *)
ManagedElement: ref ManagedElement (key, *)

ManagementSAP (E)
AvailableSAP: ref ServiceAccessPoint (key, *)
ManagedElement: ref ManagedElement (key, *)
### MostCurrentSnapshotInBranch \(E \rangle\)
- **Antecedent:** ref ComputerSystem (*)
- **Dependent:** ref VirtualSystemSettingData (*)

### LastAppliedSnapshot \(e \rangle\)
- **Dependent:** ref ComputerSystem (*)
- **Antecedent:** ref VirtualSystemSettingData (*)

### ResourceAllocationFromPool
- **Antecedent:** ref ResourcePool (*)
- **Dependent:** ref ResourceAllocationSettingData (*)

### SnapshotOfVirtualSystem
- **Antecedent:** ref ComputerSystem (*)
- **Dependent:** ref VirtualSystemSettingData (*)

### SettingsAffectSettings \(E \rangle\)
- **Antecedent:** ref SettingData (*)
- **Dependent:** ref SettingData (*)
- **Affect:** uint16 (enum)