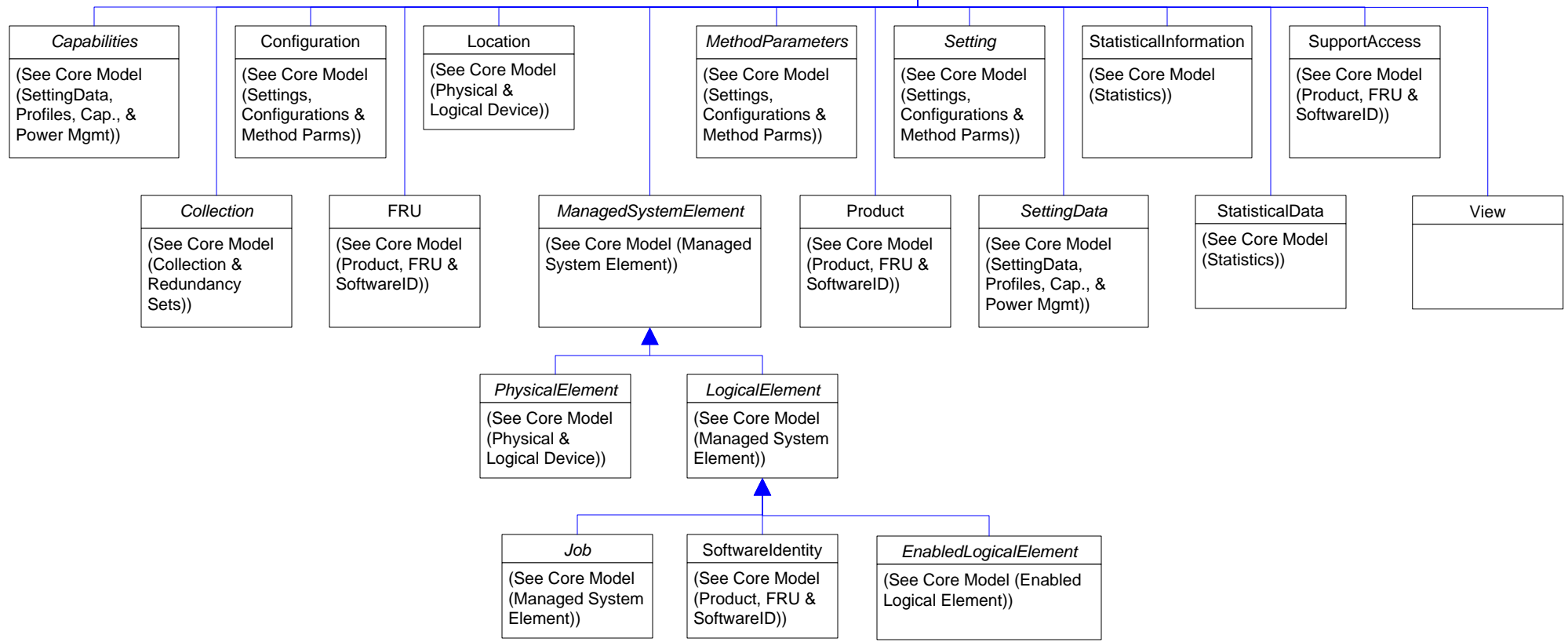
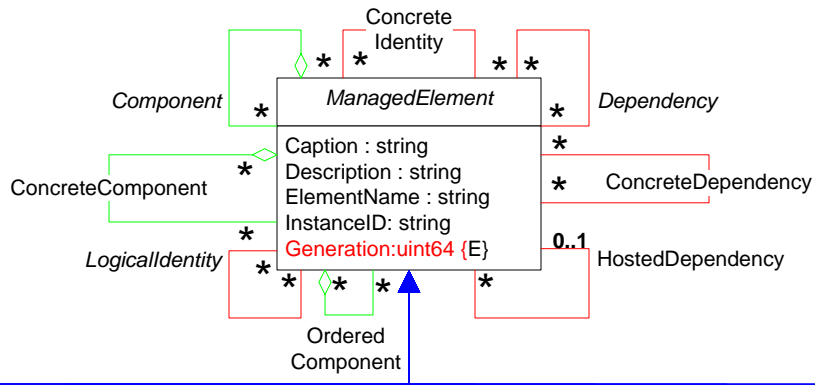
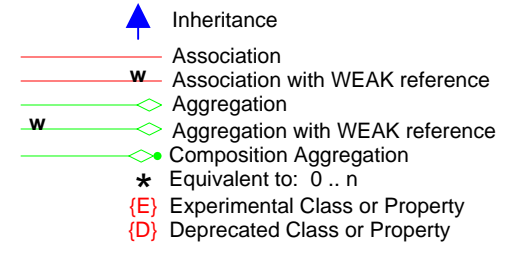
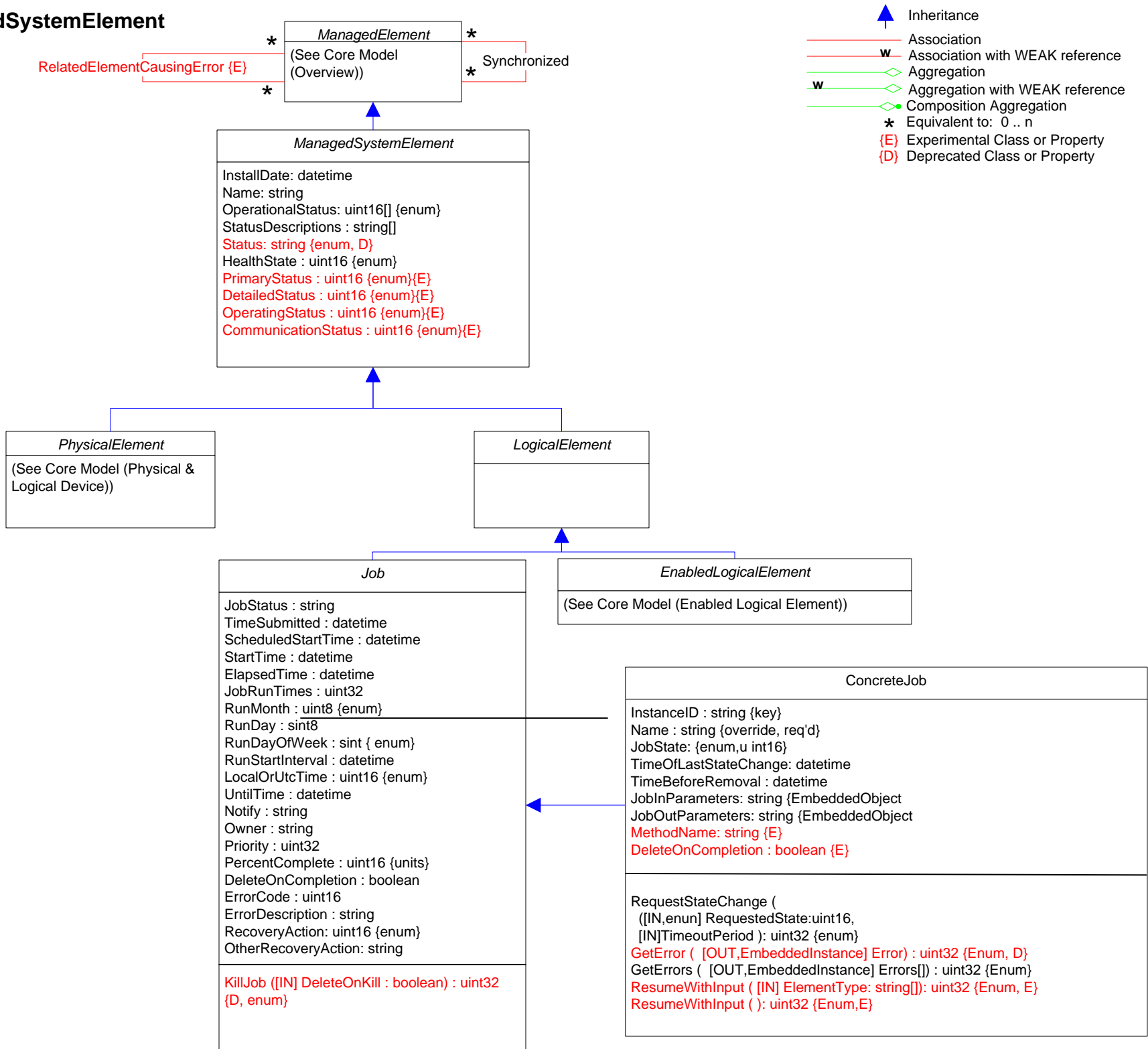
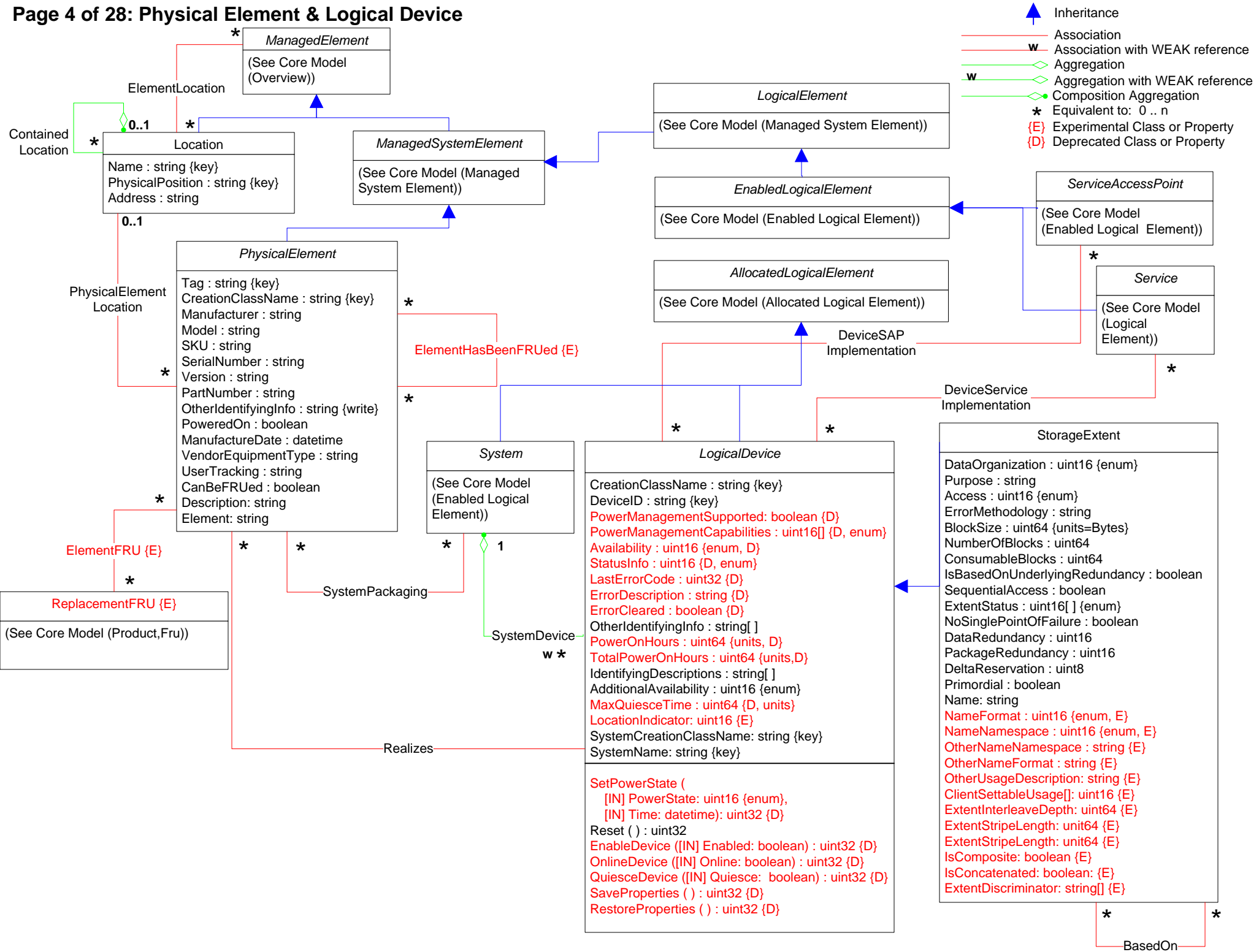









Page 1 : Overview
 Page 2 : ManagedSystemElement
 Page 3 : EnabledLogicalElement
 Page 4 : Physical Elements and Logical Devices (Including StorageExtents)
 Page 5 : Collections/RedundancySet
 Page 6 : Redundany Groups
 Page 7 : Product, FRU
 Page 8 : SoftwareIdentity
 Page 9,10 : Statistics 1,2
 Page 11 : SettingData, Profiles
 Page 12 : Capabilitie
 Page 13 : Power Management
 Page 14 : Settings, Configurations & Method Parameters
 Page 15 : Virtualization
 Page 16 : Resource
 Page 17 : Grid

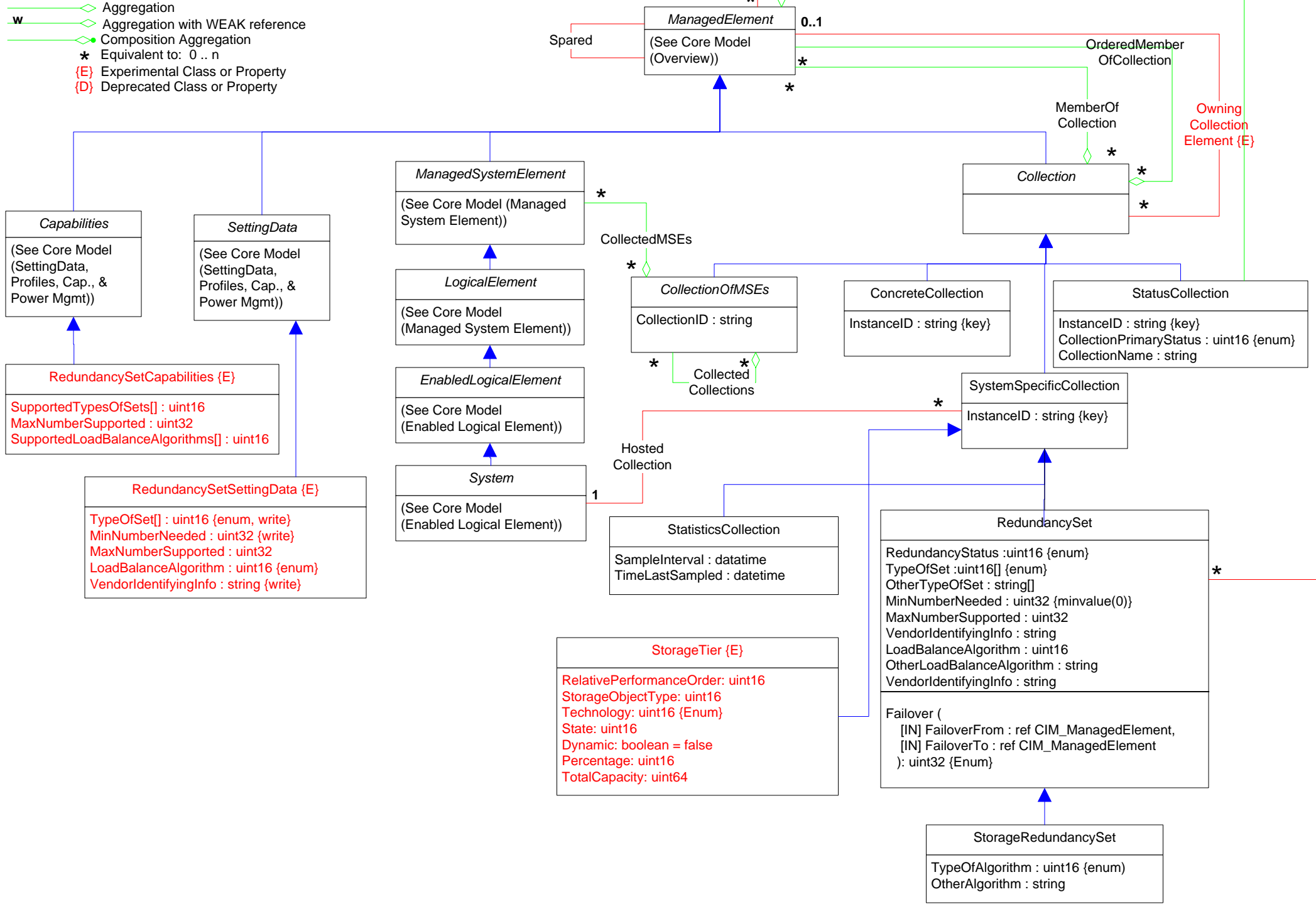
Page 18 : Opaque Data
 Page 19 : Fingerprint & Launch
 Page 20,21 : Replication 1,2
 Page 22 : Views
 Page 23,24 : Association Hierarchy 1,2
 Page 25,26 : Dependency Hierarchy 1,2
 Page 27 : Aggregation Hierarchy
 Page 28 : Abstract Associations














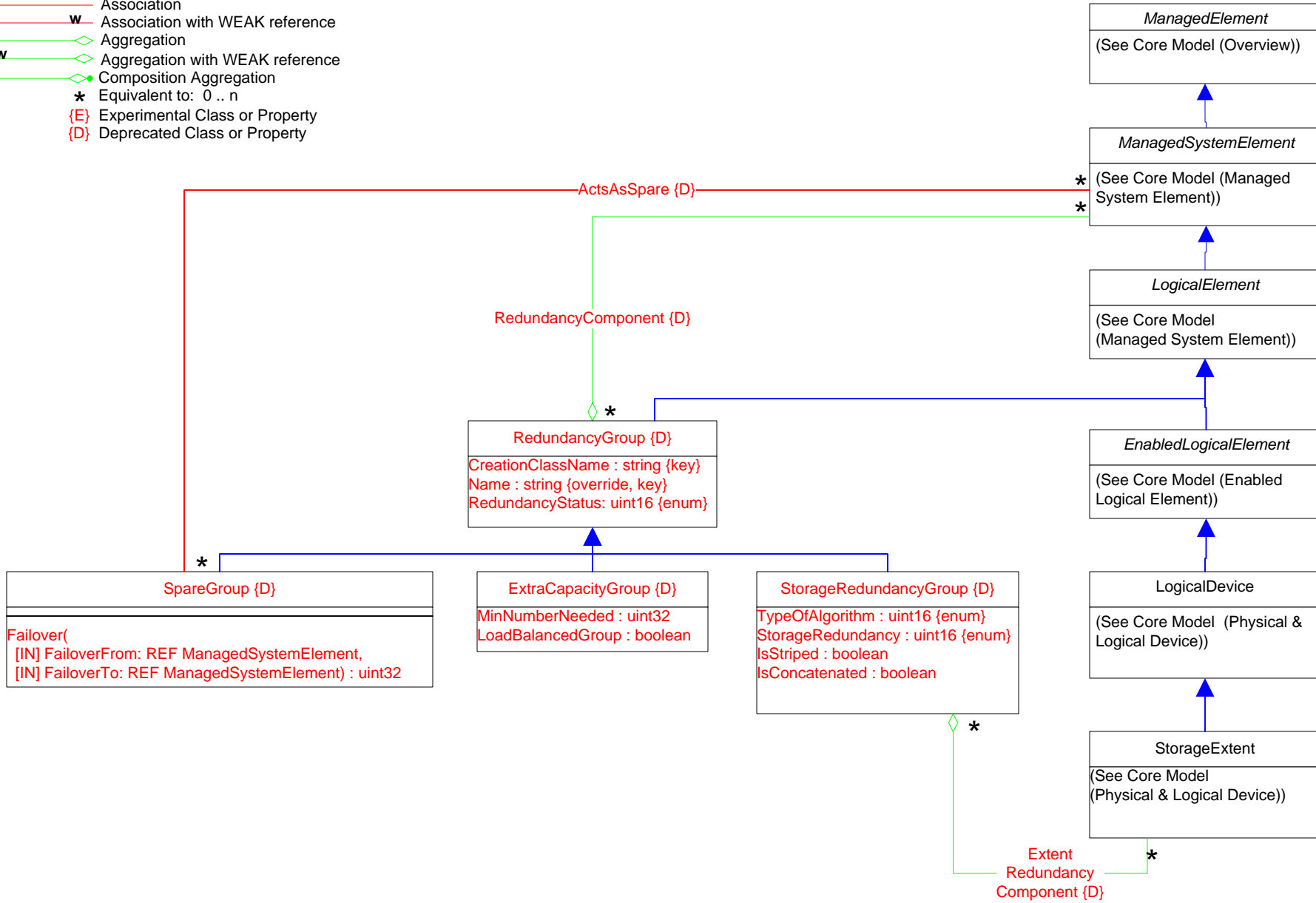





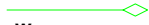





-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

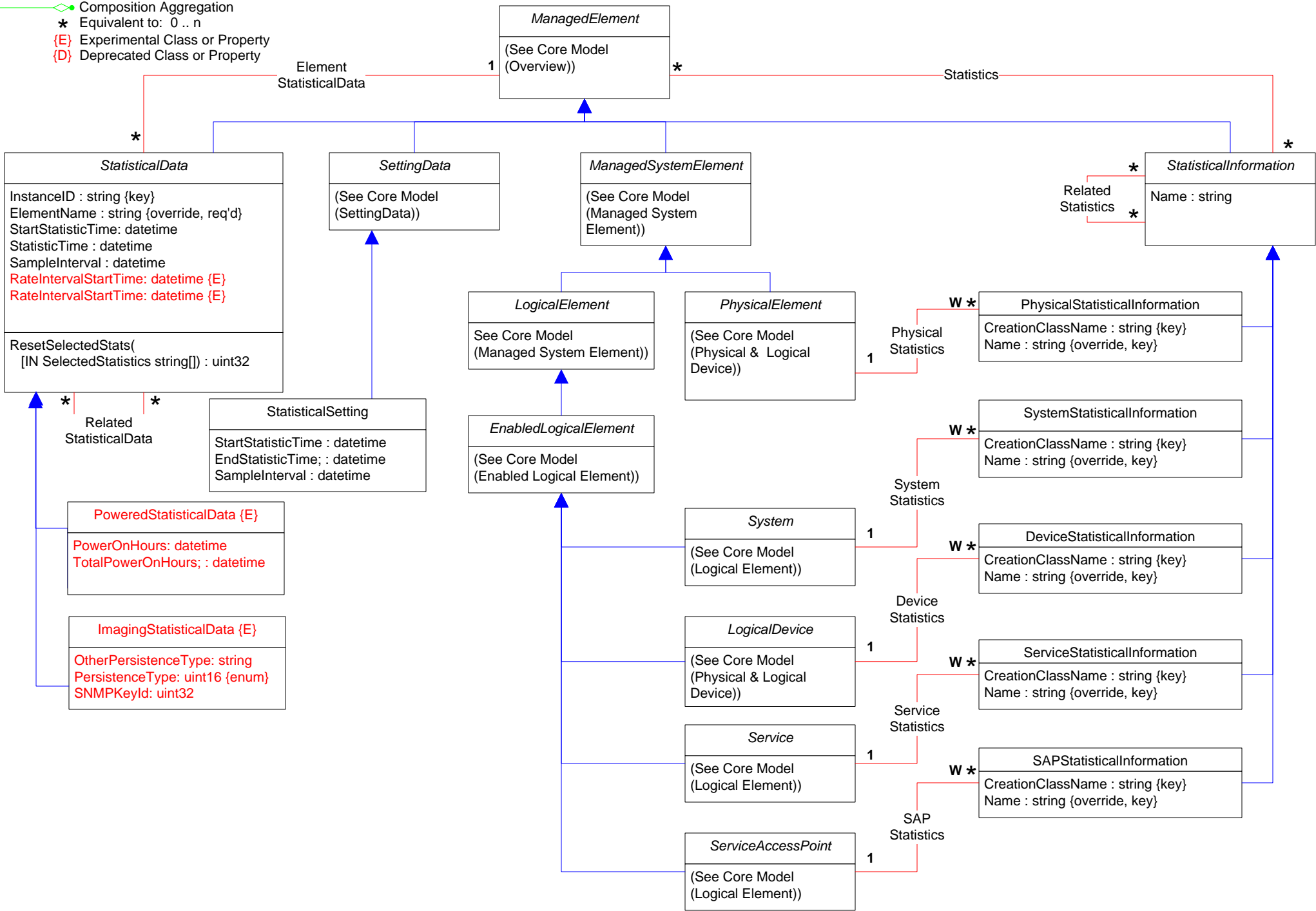









Page 6 of 28: Redundancy Group

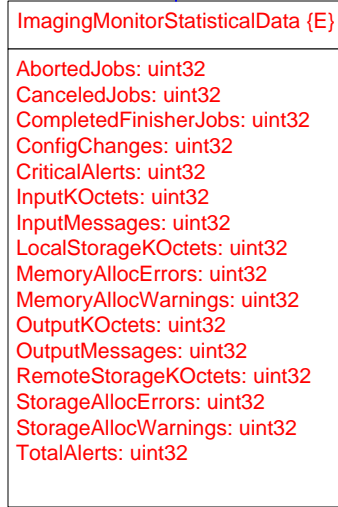
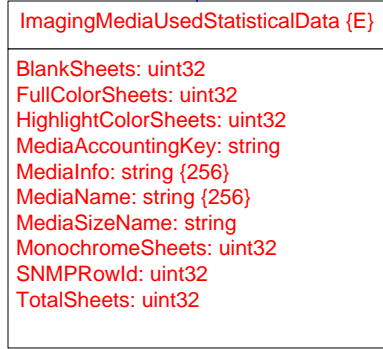
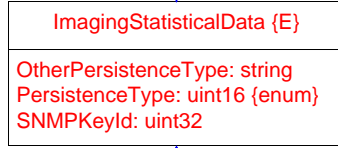
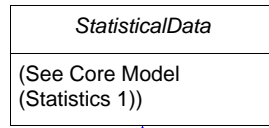
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
-  Experimental Class or Property
-  Deprecated Class or Property

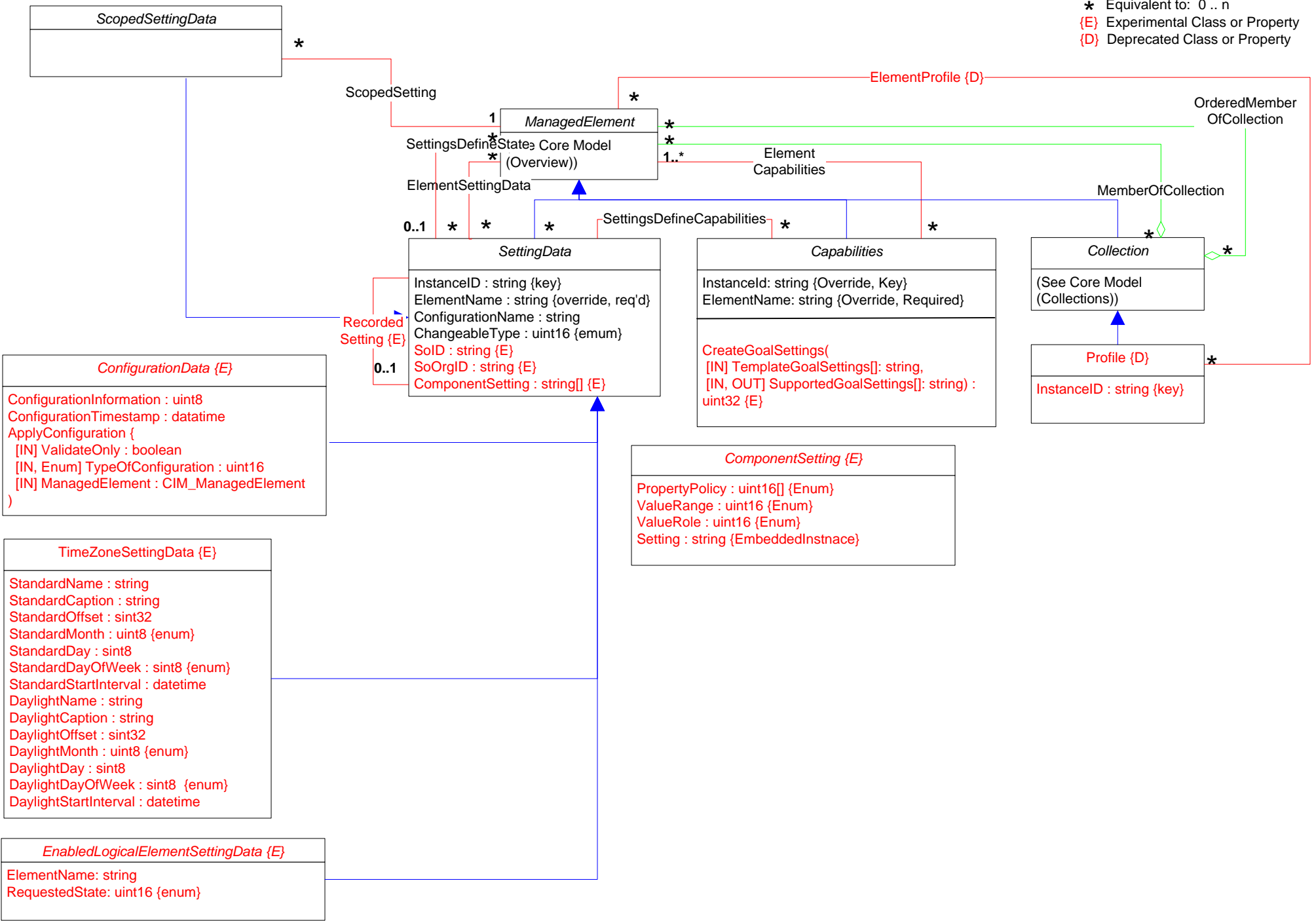
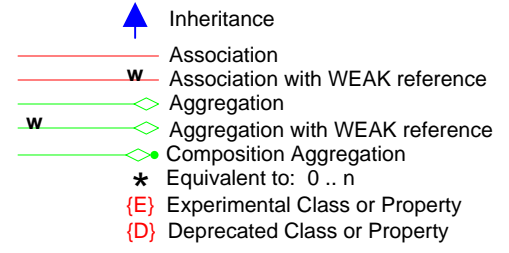


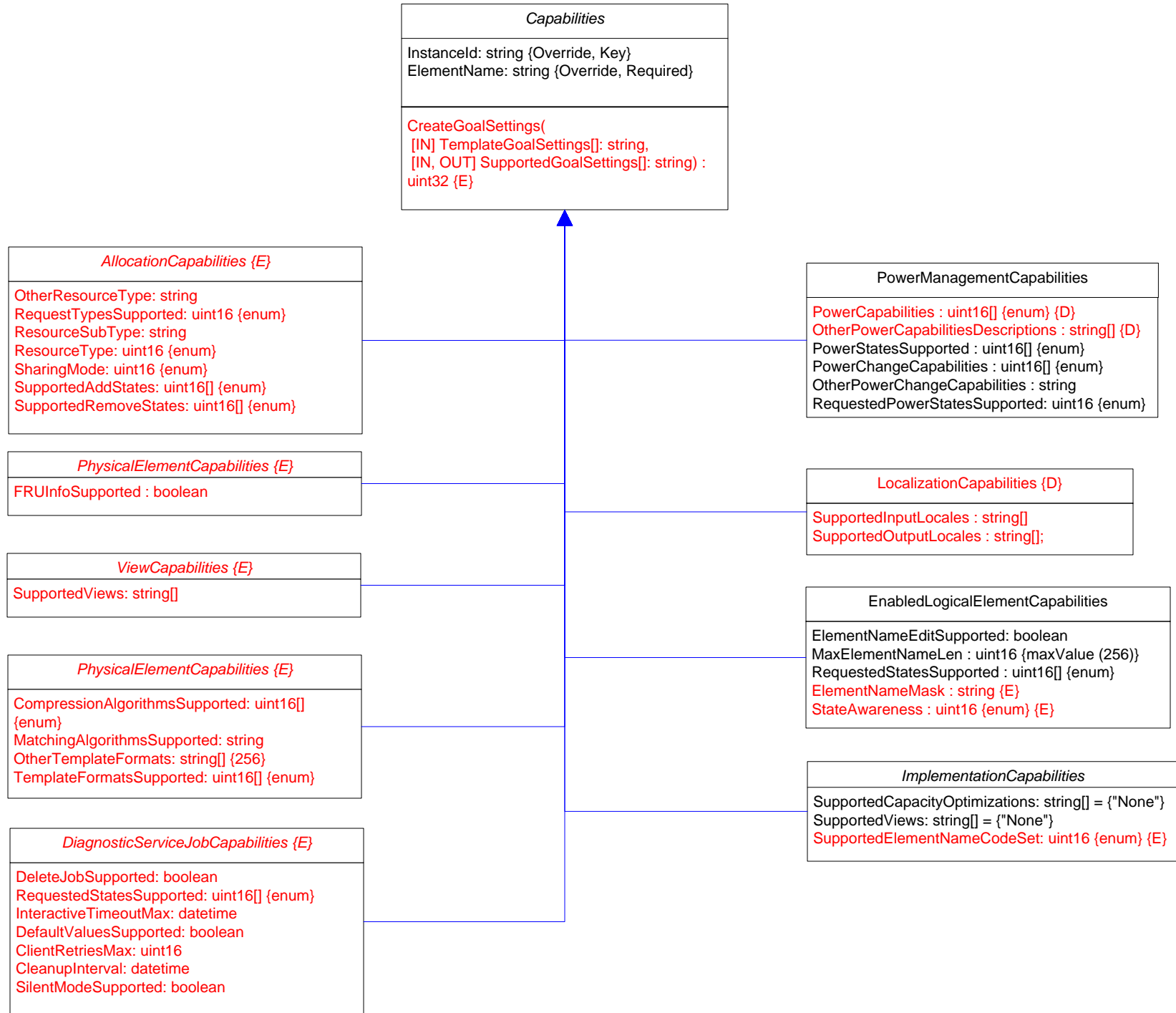
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property












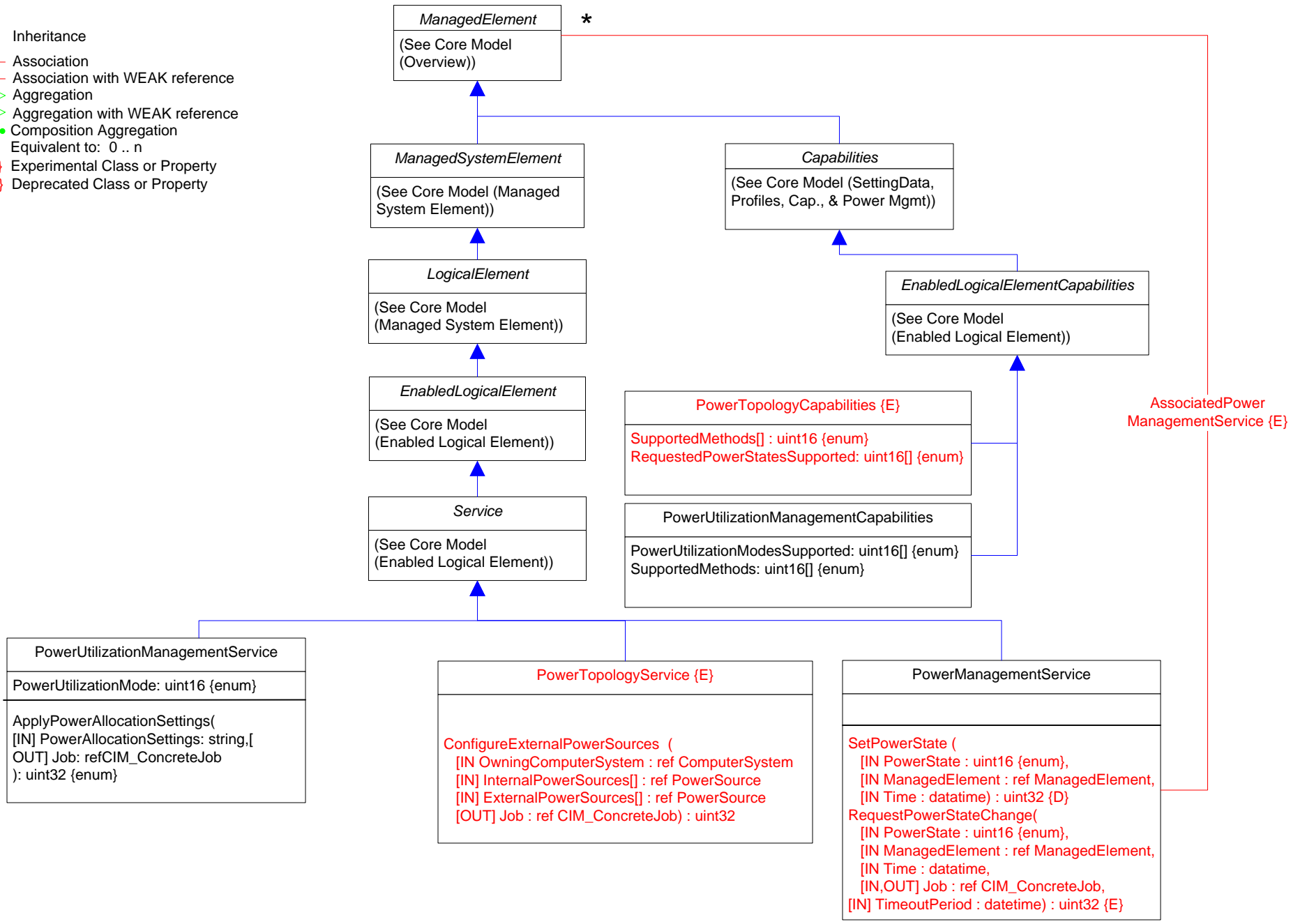
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

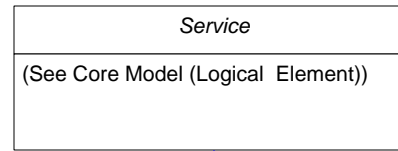
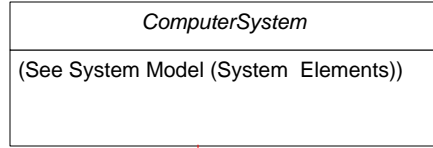
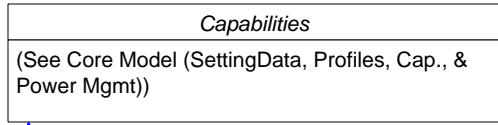
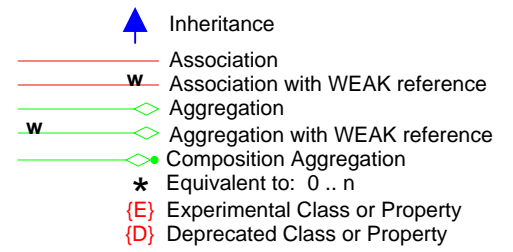




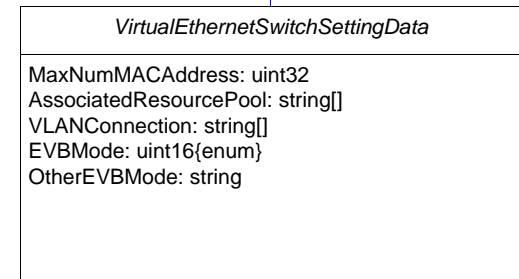
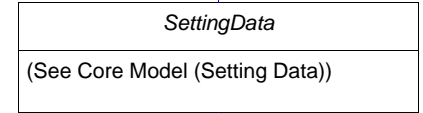
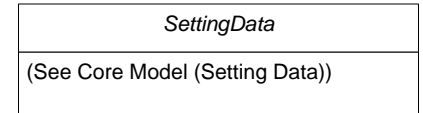
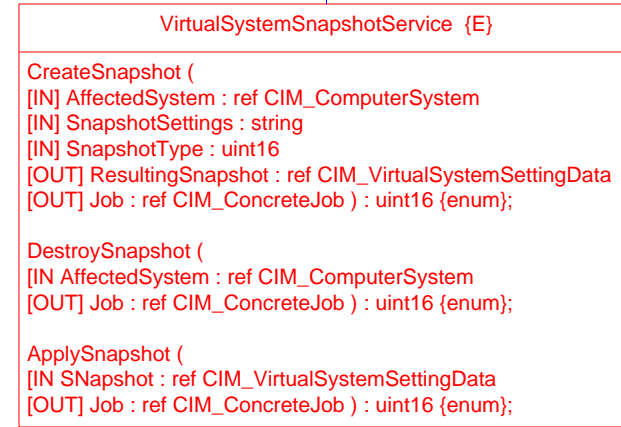
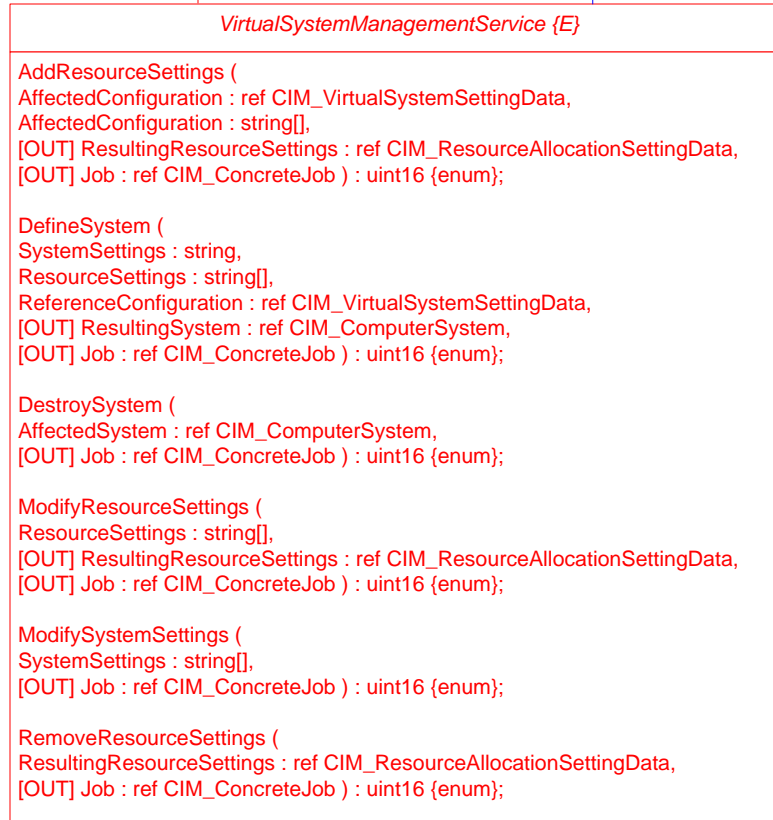
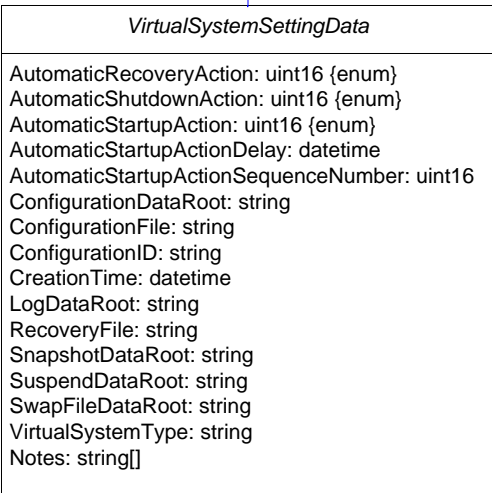
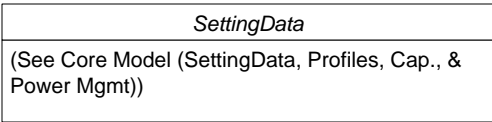
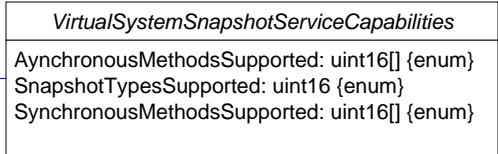
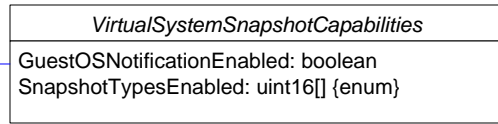
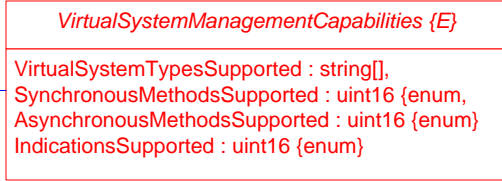


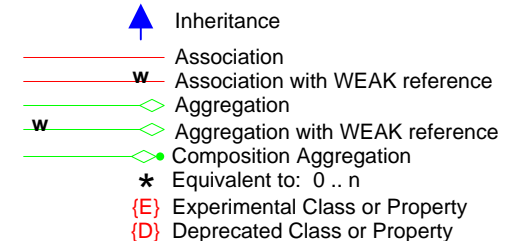
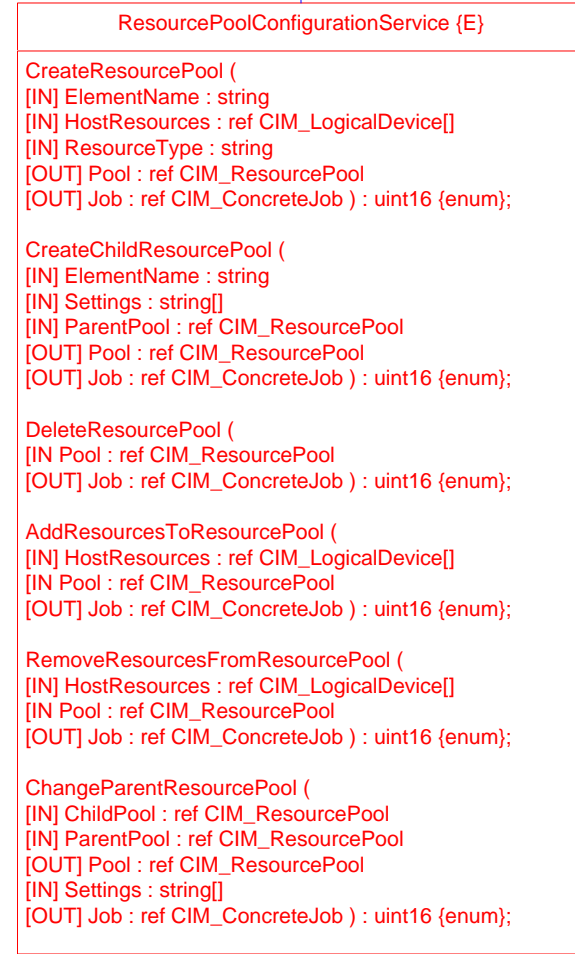
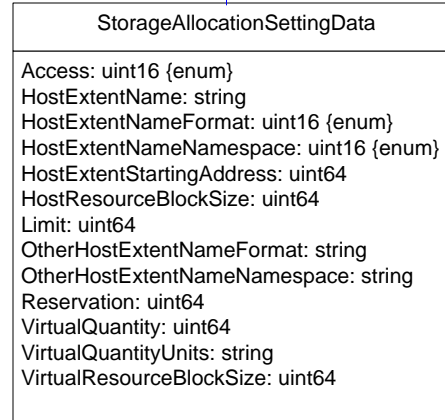
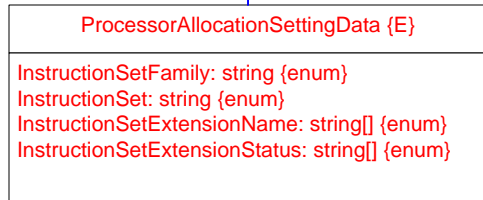
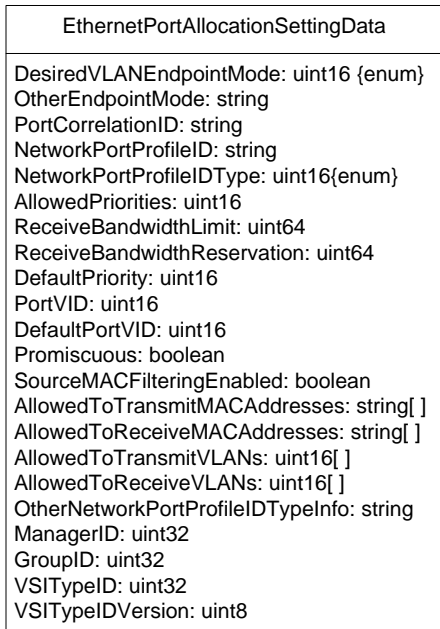
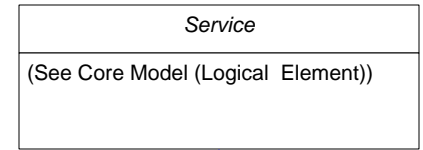
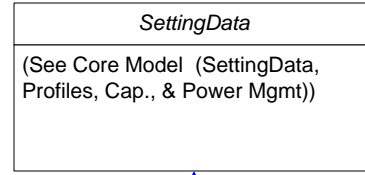
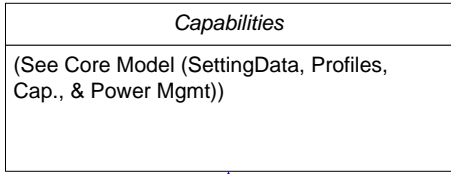
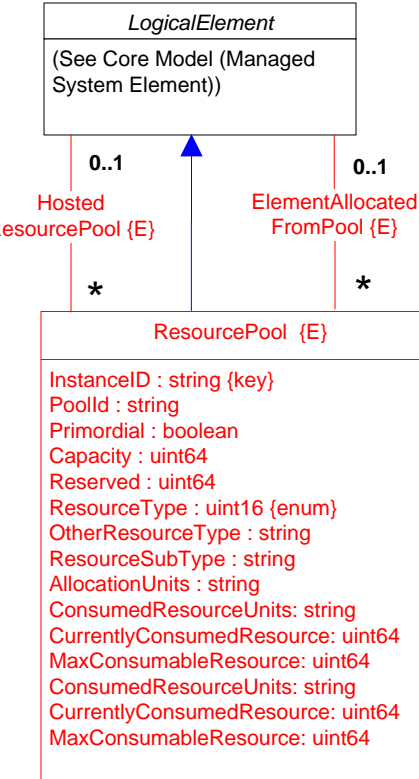
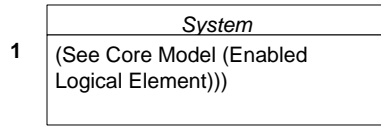
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property












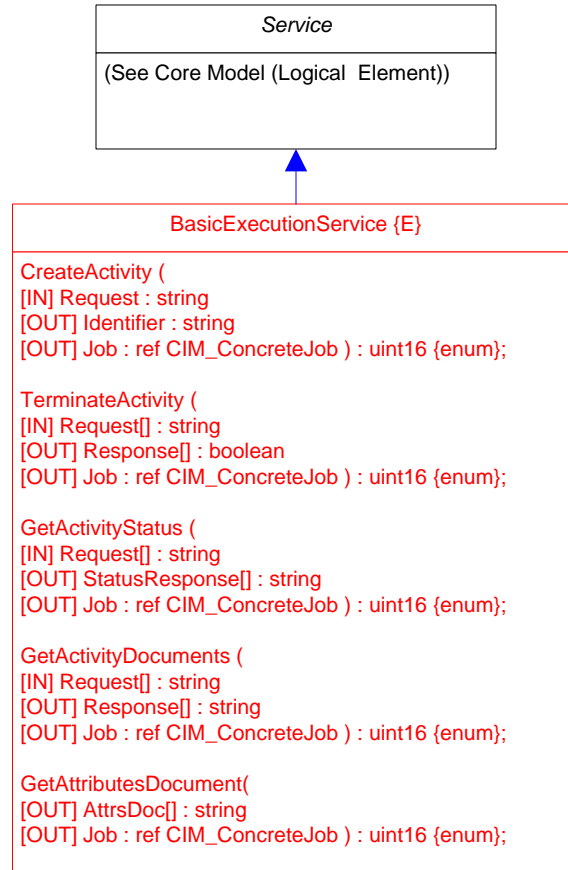


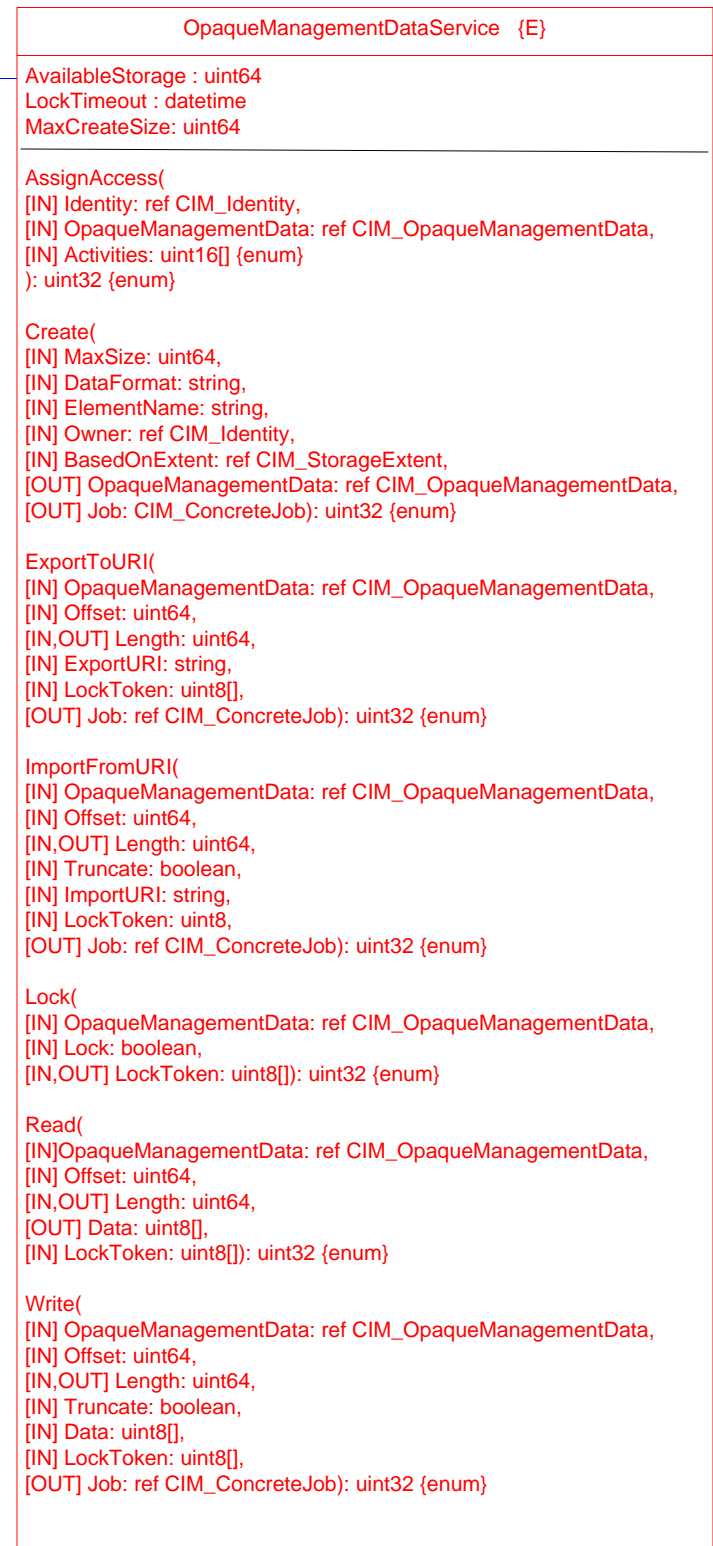
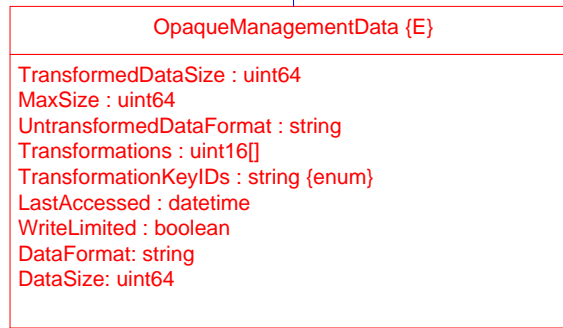
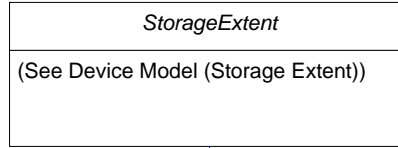
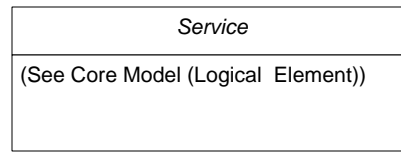
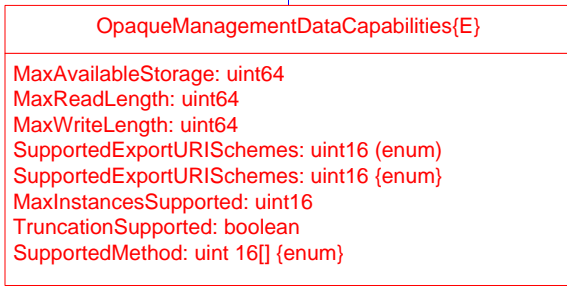
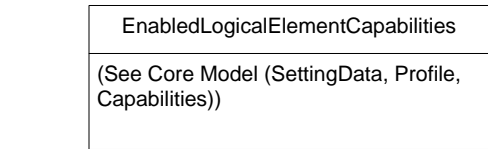
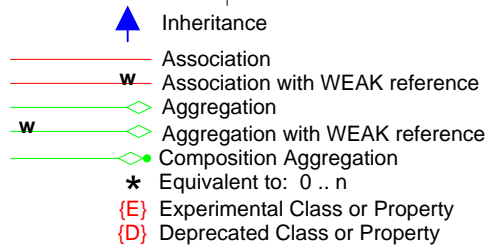
AggregatedVirtualSystemManagementService {E}












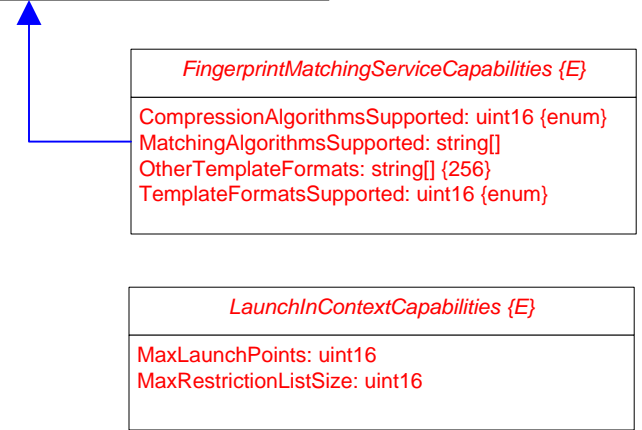
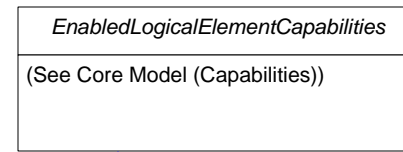
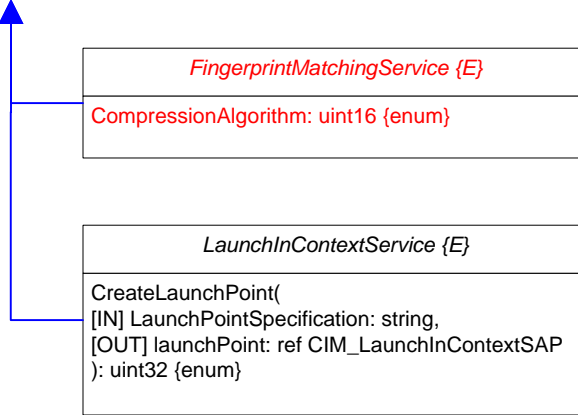
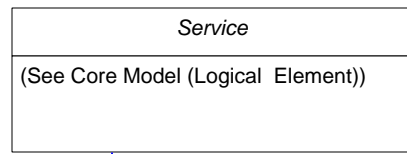
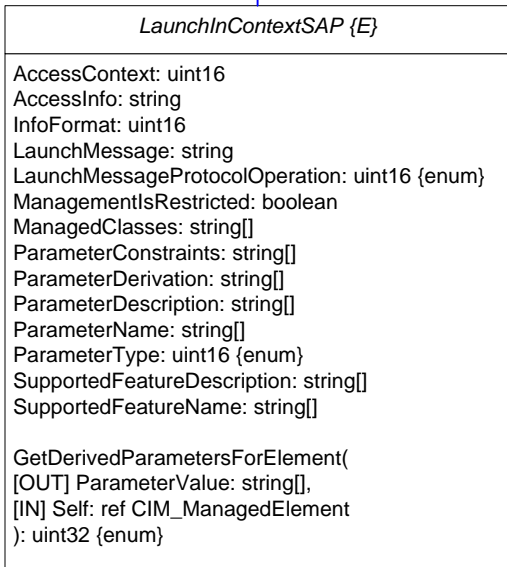
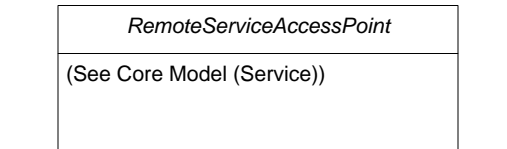
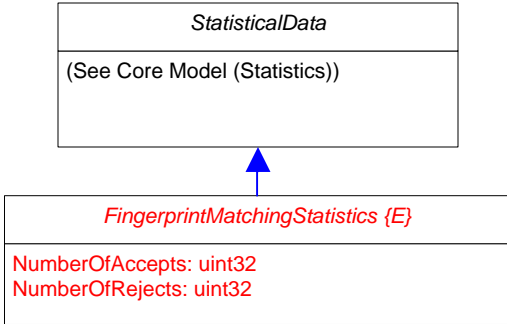


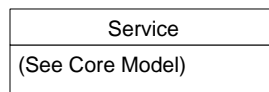
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property





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





ReplicationService {E}

CreateGroup([IN] GroupName: string, [IN] Members[]: ref CIM_LogicalElement, [IN] Persistent: boolean, [IN] DeleteOnEmptyElement: boolean, [IN] DeleteOnUnassociated: boolean, [IN] ServiceAccessPoint: ref CIM_ServiceAccessPoint, [OUT] ReplicationGroup: ref CIM_ReplicationGroup, [IN] ReplicationSettingData): string: uint32 {enum}

DeleteGroup([IN] ReplicationGroup: ref CIM_ReplicationGroup, [IN] ServiceAccessPoint: ref CIM_ServiceAccessPoint, [IN] RemoveElements:boolean): uint32 {enum}

AddMembers([IN] Members[]: ref CIM_LogicalElement, [IN] ReplicationGroup: ref CIM_ReplicationGroup, [IN] ServiceAccessPoint: ref CIM_ServiceAccessPoint): uint32 {enum}

RemoveMembers([IN] Members[]: ref CIM_LogicalElement, [IN] DeleteOnEmptyElement: boolean, [IN] ReplicationGroup: ref CIM_ReplicationGroup, [IN] ServiceAccessPoint: ref CIM_ServiceAccessPoint): uint32 {enum}

CreateElementReplica([IN] ElementName: string, [IN] SyncType: uint16, [IN] Mode: uint16, [IN] SourceElement: CIM_LogicalElement, [IN] SourceAccessPoint: ref CIM_ServiceAccessPoint, [IN,OUT] TargetElement: ref CIM_LogicalElement, [IN] TargetAccessPoint: ref CIM_ServiceAccessPoint, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM_ConcreteJob, [OUT] Synchronization: ref CIM_Synchronized, [IN] TargetSettingGoal: ref CIM_SettingData, [IN] TargetPool: ref CIM_ResourcePool, [IN] WaitForCopyState: uint16): uint32 {enum}

CreateGroupReplica([IN] RelationshipName: string, [IN] SyncType: uint16, [IN] Mode: uint16, [IN] SourceGroup: CIM_ReplicationGroup, [IN] SourceElement: ref CIM_LogicalElement, [IN] SourceAccessPoint: ref CIM_ServiceAccessPoint, [IN,OUT] TargetGroup: CIM_ReplicationGroup, [IN] TargetElementCount: uint64, [IN] TargetAccessPoint: ref CIM_ServiceAccessPoint, [IN] Consistency: uint16, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM_ConcreteJob, [OUT] Synchronization: ref CIM_Synchronized, [IN] TargetSettingGoal: ref CIM_SettingData, [IN] TargetPool: ref CIM_ResourcePool, [IN] WaitForCopyState: uint16): uint32 {enum}

CreateSynchronizationAspect([IN] Name: string, [IN] SyncType: uint16, [IN] Mode: [IN] SyncType: uint16, [IN] SourceGroup: ref CIM_ReplicationGroup, [IN] SourceElement: ref CIM_LogicalElement, [IN] SourceAccessPoint: ref CIM_ServiceAccessPoint, [IN] Consistency: uint16, [IN] ReplicationSettingData: string, [OUT] Job: CIM_ConcreteJob, [OUT] SettingsState: ref CIM_SettingsDefineState): uint32 {enum}

ModifyReplicaSynchronization([IN] Operation: uint16, [IN] Synchronization: ref CIM_Synchronized, [IN] ReplicationSettingData: string, [IN] SyncPair[]: CIM_StorageSynchronized, [OUT] Job: ref CIM_ConcreteJob, [OUT] SettingsState: CIM_SettingsDefineState, [IN] Force: boolean, [IN] WaitForCopyState: uint16): uint32 {enum}

ModifyListSynchronization([IN] Operation: uint16, [IN] Synchronization[IN]: ref CIM_Synchronized, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM_ConcreteJob, [OUT] SettingsState: CIM_SettingsDefineState, [IN] Force: boolean, [IN] WaitForCopyState: uint16): uint32 {enum}

ModifySettingsDefineState([IN] Operation: uint16, [IN] SettingsState: ref CIM_SettingsDefineState, [IN,OUT] TargetElement: ref CIM_LogicalElement, [IN,OUT] TargetGroup: ref CIM_ReplicationGroup, [IN] TargetElementCount: uint64, [IN] TargetAccessPoint: ref CIM_ServiceAccessPoint, [OUT] Synchronization: CIM_Synchronized, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM_ConcreteJob, [IN] TargetSettingGoal: ref CIM_SettingData, [IN] TargetPool: ref CIM_ResourcePool, [IN] WaitForCopyState: uint16): uint32 {enum}

GetAvailableTargetElements([IN] SourceElement: ref CIM_LogicalElement, [IN] SyncType: uint16, [IN] Mode: uint16, [IN] ReplicationSettingData: string, [IN] TargetAccessPoint: ref CIM_ServiceAccessPoint, [IN] TargetSettingGoal: ref CIM_SettingData, [IN] TargetPools[]: ref CIM_ResourcePool, [OUT] Job: ref CIM_ConcreteJob, [OUT] Candidates[]: ref CIM_LogicalElement): uint32 {enum}

GetPeerSystems([IN] Options: uint16, [OUT] Job: ref CIM_ConcreteJob, [OUT] Systems[]: ref CIM_ComputerSystem): uint32 {enum}

GetReplicationRelationships([IN] Type: uint16, [IN] SyncType: uint16, [IN] Mode: uint16, [IN] Locality: uint16, [IN] CopyState: uint16, [OUT] Job: ref CIM_ConcreteJob, [OUT] Synchronizations[]: ref CIM_Synchronized): uint32 {enum}

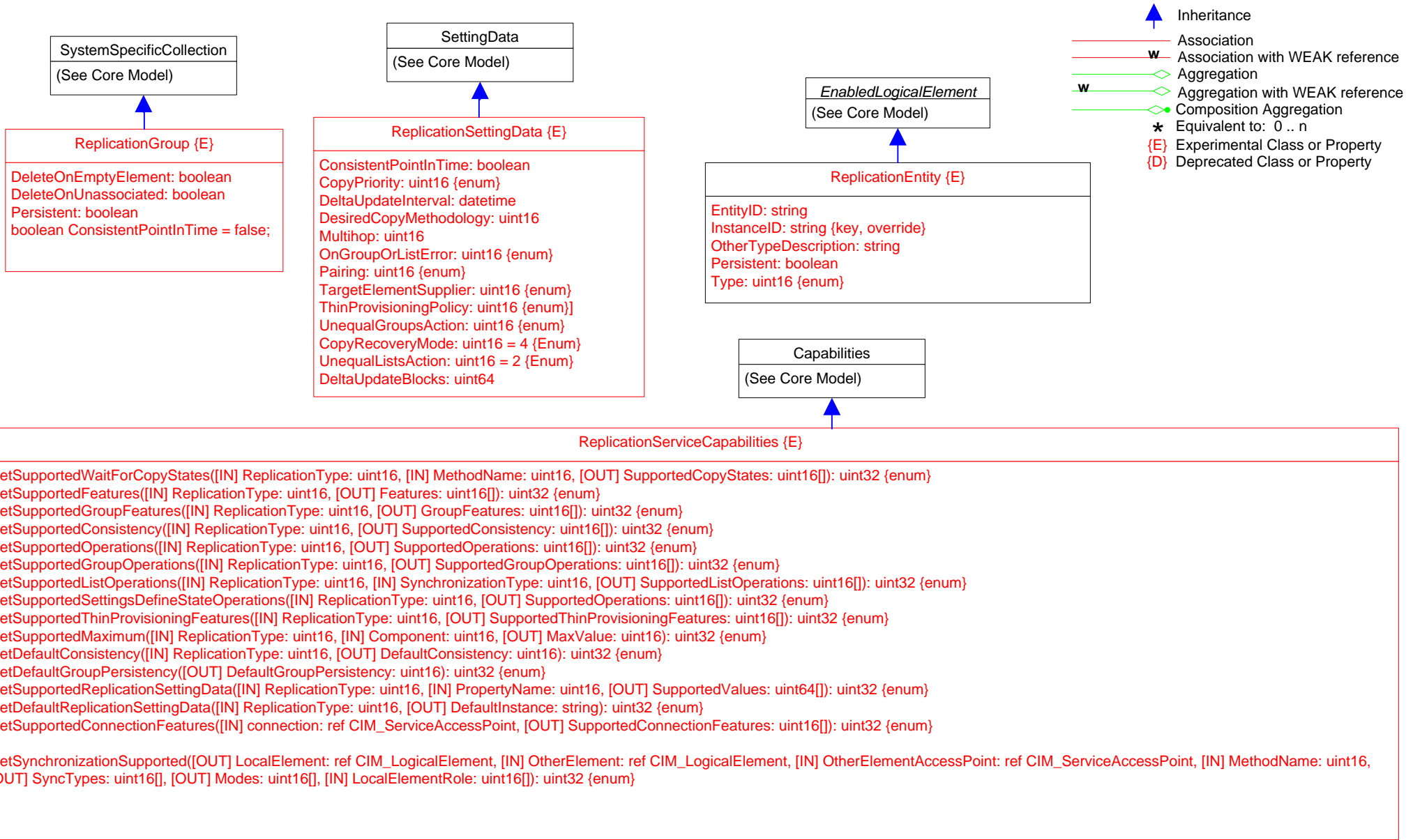
GetServiceAccessPoints([IN] System: ref CIM_ComputerSystem, [OUT] Job: ref CIM_ConcreteJob, [OUT] ServiceAccessPoints[]: ref CIM_ServiceAccessPoint): uint32 {enum}

AddReplicationEntity([IN] ReplicationEntity: string, [IN] Persistent: boolean, [IN] InstanceNamespace: string, [OUT] ReplicationEntityPath: ref CIM_ReplicationEntity): uint32 {enum}

AddServiceAccessPoint([IN] ServiceAccessPoint: string, [IN] InstanceNamespace: string, [OUT] ServiceAccessPointPath: ref CIM_ServiceAccessPoint): uint32 {enum}

AddSharedSecret([IN] SharedSecret: string, [IN] ServiceAccessPoint: CIM_ServiceAccessPoint, [IN] InstanceNamespace: string, [OUT] SharedSecretPath: ref CIM_SharedSecret): uint32 {enum}

CreateListReplica([IN] ElementNames: string[], [IN] SyncType: uint16, [IN] Mode: uint16, [IN] SourceElements[]: ref CIM_LogicalElement, [IN] SourceAccessPoint: ref CIM_ServiceAccessPoint, [IN,OUT] TargetElements[]: ref CIM_LogicalElement, [IN] TargetAccessPoint: ref CIM_ServiceAccessPoint, [IN] ReplicationSettingData: string, [OUT] Job: ref CIM_ConcreteJob, [OUT] Synchronizations[]: CIM_Synchronized, [IN] TargetSettingGoal: ref CIM_SettingData, [IN] TargetPool: CIM_ResourcePool, [IN] WaitForCopyState: uint16): uint32 {enum}





ActsAsSpare {D}
 Group: ref SpareGroup {key, *}
 Spare: ref ManagedSystemElement {key, *}
 HotStandby: boolean

CompatibleProduct
 Product: ref Product {key, *}
 CompatibleProduct: ref Product {key, *}
 CompatibilityDescription: string

CollectionConfiguration {D}
 Collection: ref CollectionOfMSEs {key, *}
 Configuration: ref Configuration {key, *}

CollectionSetting
 Collection: ref Collection {key, *}
 Setting: ref Setting {key, *}

ElementCapabilities
 ManagedElement: ref ManagedElement {key, 1}
 Capabilities: ref Capabilities {key, *}

ElementConfiguration {D}
 Element: ref ManagedSystemElement {key, *}
 Configuration: ref Configuration {key, *}

ElementLocation
 Element: ref ManagedElement {key, *}
 PhysicalLocation: ref Location {key, *}

PhysicalElementLocation
 Element: ref PhysicalElement {*}
 PhysicalLocation: ref Location {0..1}

ElementProfile {D}
 ManagedElement: ref ManagedElement {key, 1}
 Profile: ref Profile {key, *}

ElementSetting
 Element: ref ManagedSystemElement {key, *}
 Setting: ref Setting {key, *}

DefaultSetting
 Element: ref ManagedSystemElement {*}
 Setting: ref Setting {0..1}

ElementSettingData
 ManagedElement: ref ManagedElement {key, *}
 SettingData: ref SettingData {key, *}
 IsDefault : uint16 {enum}
 IsCurrent: uint16 {enum}
 IsNext : uint16 {enum} {E}
 IsMinimum : uint16 {enum} {E}
 IsMaximum : uint16 {enum} {E}
 IsPending : uint16 {enum} {E}

ElementStatisticalData
 ManagedElement: ref ManagedElement {key, 1}
 Stats: ref StatisticalData {key, *}

InstalledSoftwareIdentity
 System: ref System {key, *}
 InstalledSoftware: ref SoftwareIdentity {key, *}

LogicalIdentity
 SystemElement: ref ManagedElement {key, *}
 SameElement: ref ManagedElement {key, *}

ConcreteIdentity
 SystemElement: ref ManagedElement {*}
 SameElement: ref ManagedElement {*}

ParametersForMethod
 Parameters ref MethodParameters {key, *}
 TheMethod ref ManagedElement {key, *}
 MethodName: string {key}

ParameterValueSources
 Parameters ref MethodParameters {key, *}
 ValueSource ref ManagedElement {key, *}

ProductFRU {D}
 Product: ref Product {key, 0..1}
 FRU: ref FRU {key, *}

ProductProductDependency
 RequiredProduct: ref Product {key, *}
 DependentProduct: ref Product {key, *}
 TypeOfDependency: uint16 {enum}

ProductSupport
 Product: ref Product {key, *}
 Support: ref SupportAccess {key, *}

RelatedStatisticalData
 Stats: ref StatisticalData {key, *}
 RelatedStats: ref StatisticalData {key, *}
 Descriptor: string

RelatedStatistics
 Stats: ref StatisticalInformation {key, *}
 RelatedStats: ref StatisticalInformation {key, *}

ReplaceableProductFRU {D}
 Product: ref Product {key, 0..1}
 FRU: ref FRU {key, *}

DependencyContext {D}
 Context: ref CIM_Configuration {key, *}
 Dependency: ref CIM_Dependency {key, *}

OwningCollectionElement
 OwningElement: ref ManagedElement {key, 1}
 OwnedElement: ref CIM_Collection {key, *}

SettingsDefineState
 ManagedElement : ref ManagedElement {*}
 SettingData: ref SettingData {*}

Statistics
 Stats: ref StatisticalInformation {key, *}
 Element: ref ManagedElement {key, *}

DeviceStatistics
 Stats: ref DeviceStatisticalInformation {weak, *}
 Element: ref LogicalDevice {1}

SystemStatistics
 Stats: ref SystemStatisticalInformation {weak, *}
 Element: ref System {1}

ServiceStatistics
 Stats: ref ServiceStatisticalInformation {weak, *}
 Element: ref Service {1}

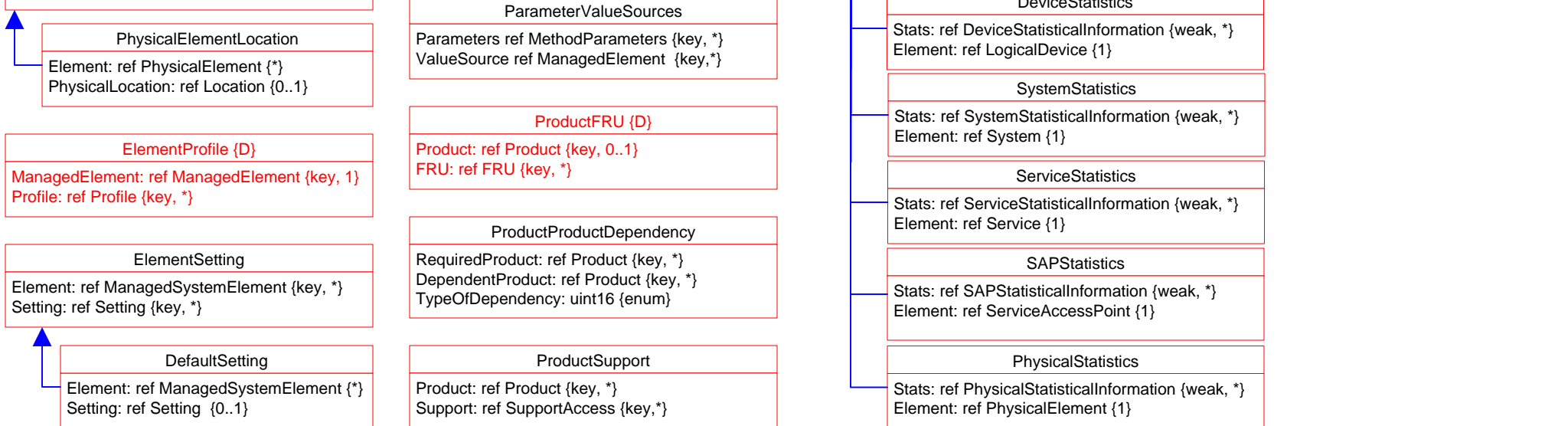
SAPStatistics
 Stats: ref SAPStatisticalInformation {weak, *}
 Element: ref ServiceAccessPoint {1}

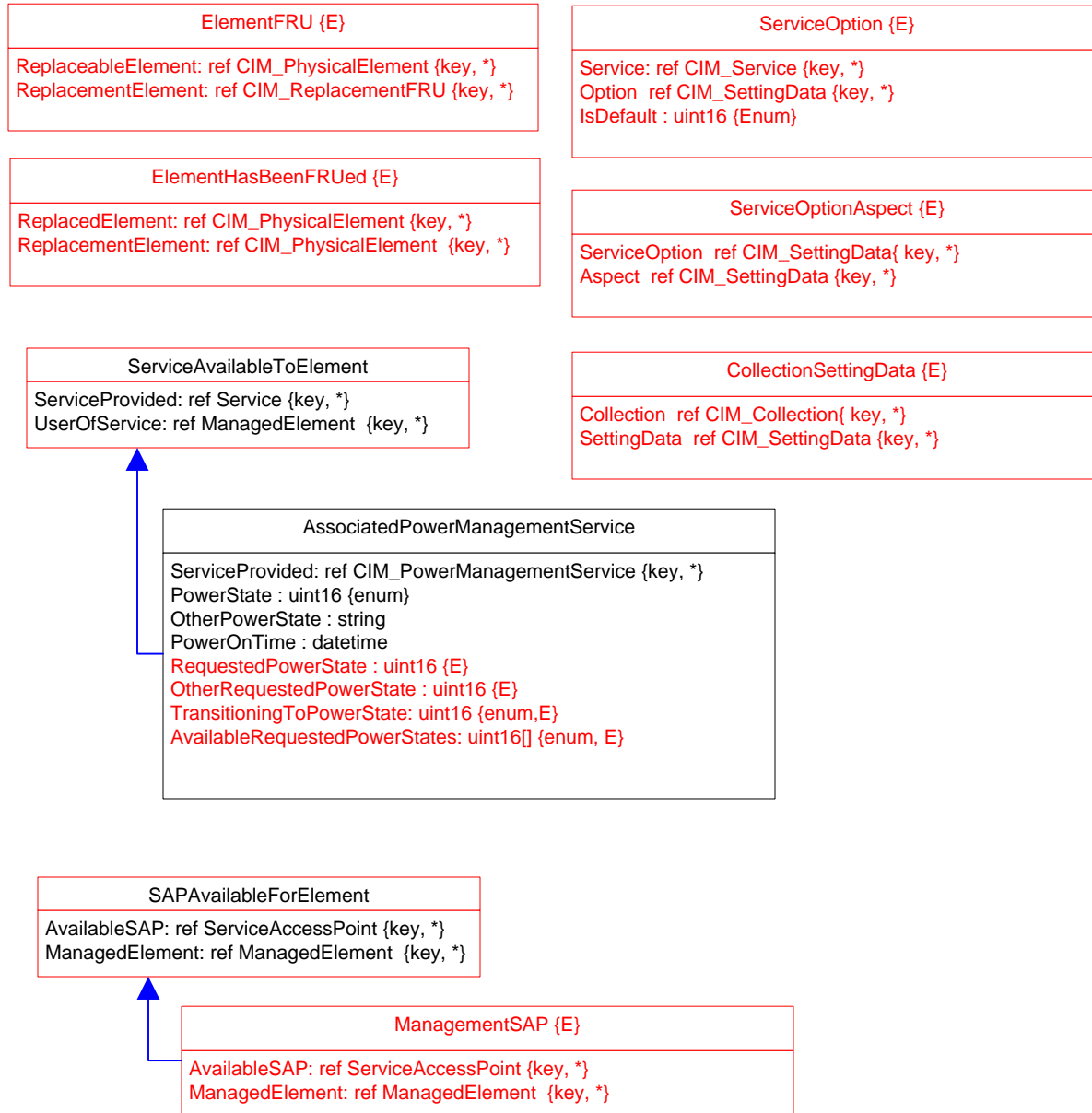
PhysicalStatistics
 Stats: ref PhysicalStatisticalInformation {weak, *}
 Element: ref PhysicalElement {1}

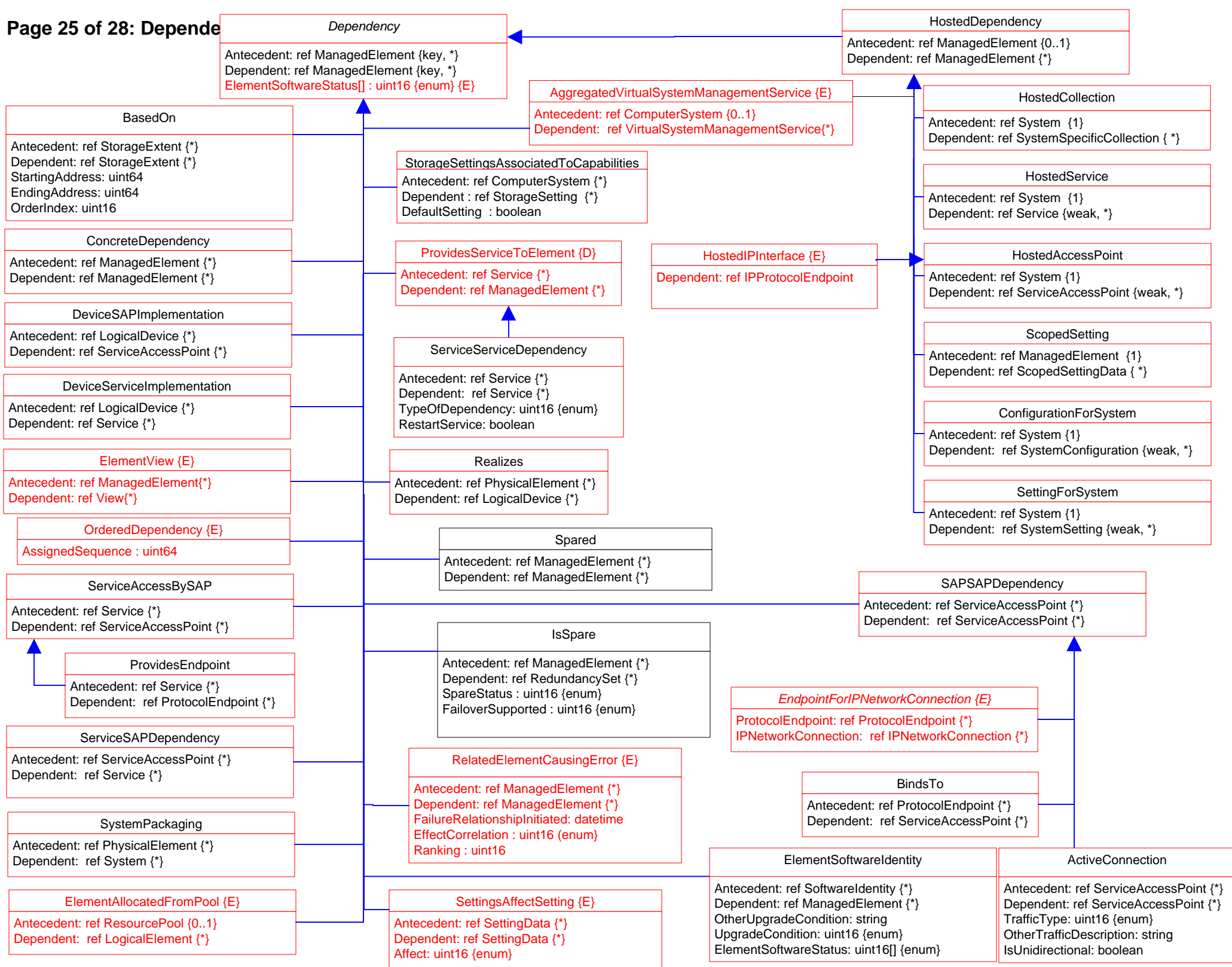
ServiceAffectsElement
 AffectedElement: ref ManagedElement {key, *}
 AffectingElement: ref Service {key, *}
 ElementEffects: uint16[] {enum}
 OtherElementEffectsDescriptions: string[]
 AssignedSequence : uint16 {E}

ServiceAffectsElementWithQuota {E}
 Quota: uint16
 QuotaUsed: uint16
 QuotaUnits: string

Synchronized
 SystemElement: ref ManagedElement {key, *}
 SyncedElement: ref ManagedElement {key, *}
 WhenSynced: datetime
 SyncMaintained: boolean
 CopyState: uint16 {E}
 Mode: uint16 {E}
 PercentSynced: uint16 {E}
 ProgressStatus: uint16 {E}
 RequestedCopyState: uint16 {E}
 SyncType: uint16 {enum}
 WhenActivated: datetime {E}
 WhenDeactivated: datetime {E}
 WhenEstablished: datetime {E}
 WhenSuspended: datetime {E}
 WhenSynchronized: datetime {E}
 CopyRecoveryMode: uint16 {EEnum}
 FailedCopyStopsHostIO: boolean = false {E}
 RPO: datetime {E}
 Skew: uint64 {E}







Page 26 of 28: Dependency Hierarchy 2

Dependency
See Core Model (Dependency Hierarchy 1))

MostCurrentSnapshotInBranch {E}
Antecedent: ref ComputerSystem {*}
Dependent: ref VirtualSystemSettingData {*}

LastAppliedSnapshot {e}
Dependent: ref ComputerSystem {*}
Antecedent: ref VirtualSystemSettingData {*}

ResourceAllocationFromPool
Antecedent: ref ResourcePool {*}
Dependent: ref ResourceAllocationSettingData {*}

SnapshotOfVirtualSystem
Antecedent: ref ComputerSystem {*}
Dependent: ref VirtualSystemSettingData {*}

SettingsAffectSettings {E}
Antecedent : ref SettingData {*}
Dependent: ref SettingData {*}
Affect: uint16 {enum}



