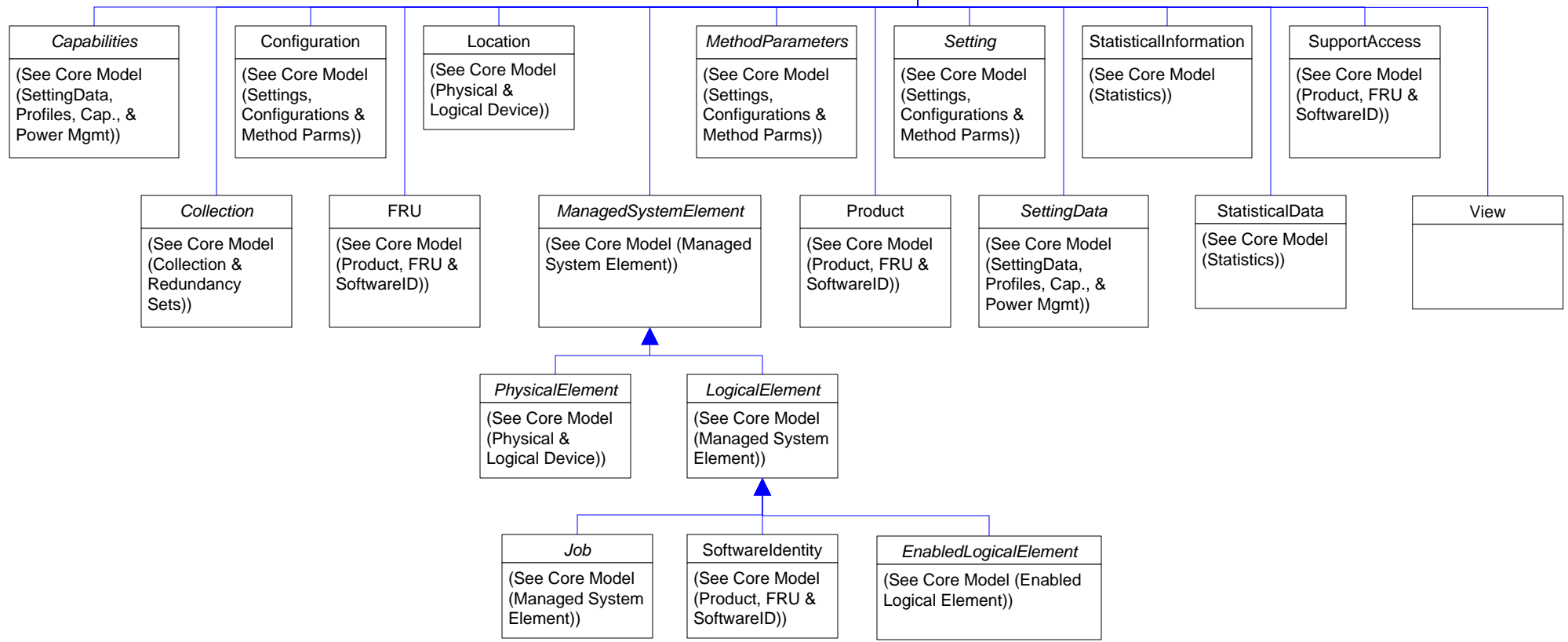
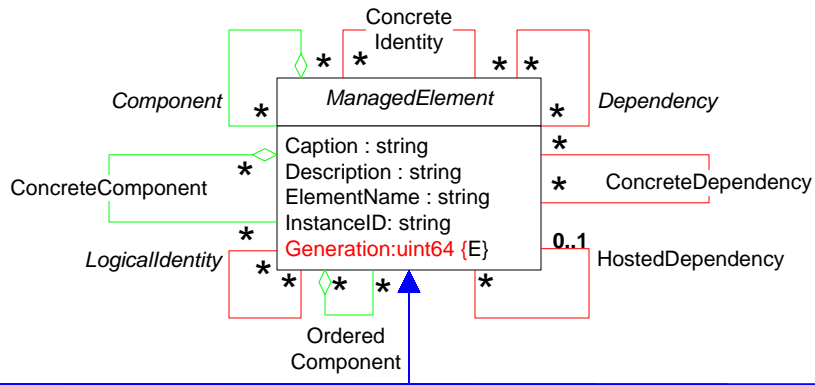
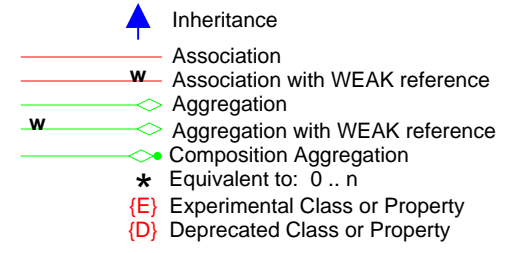
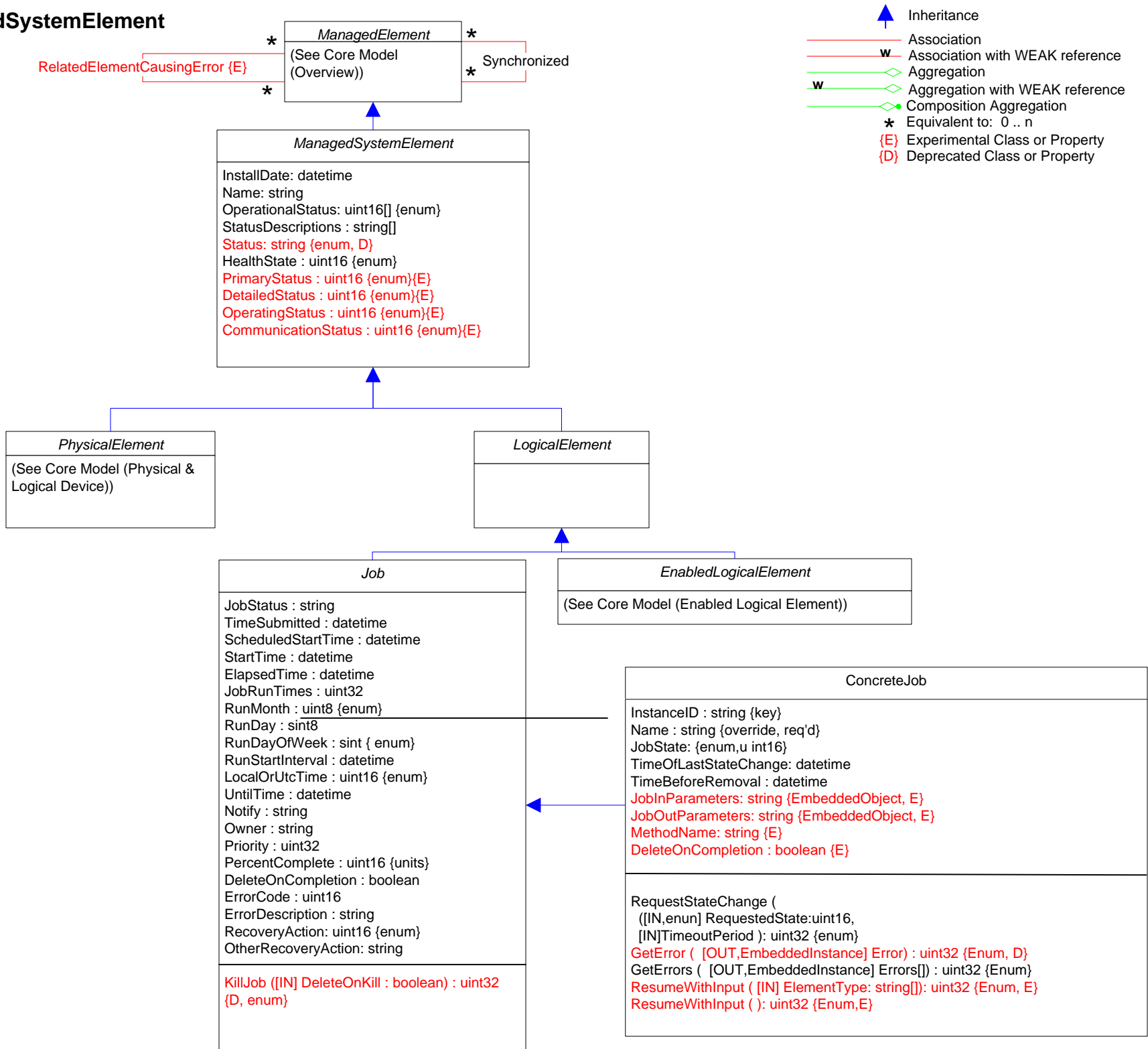
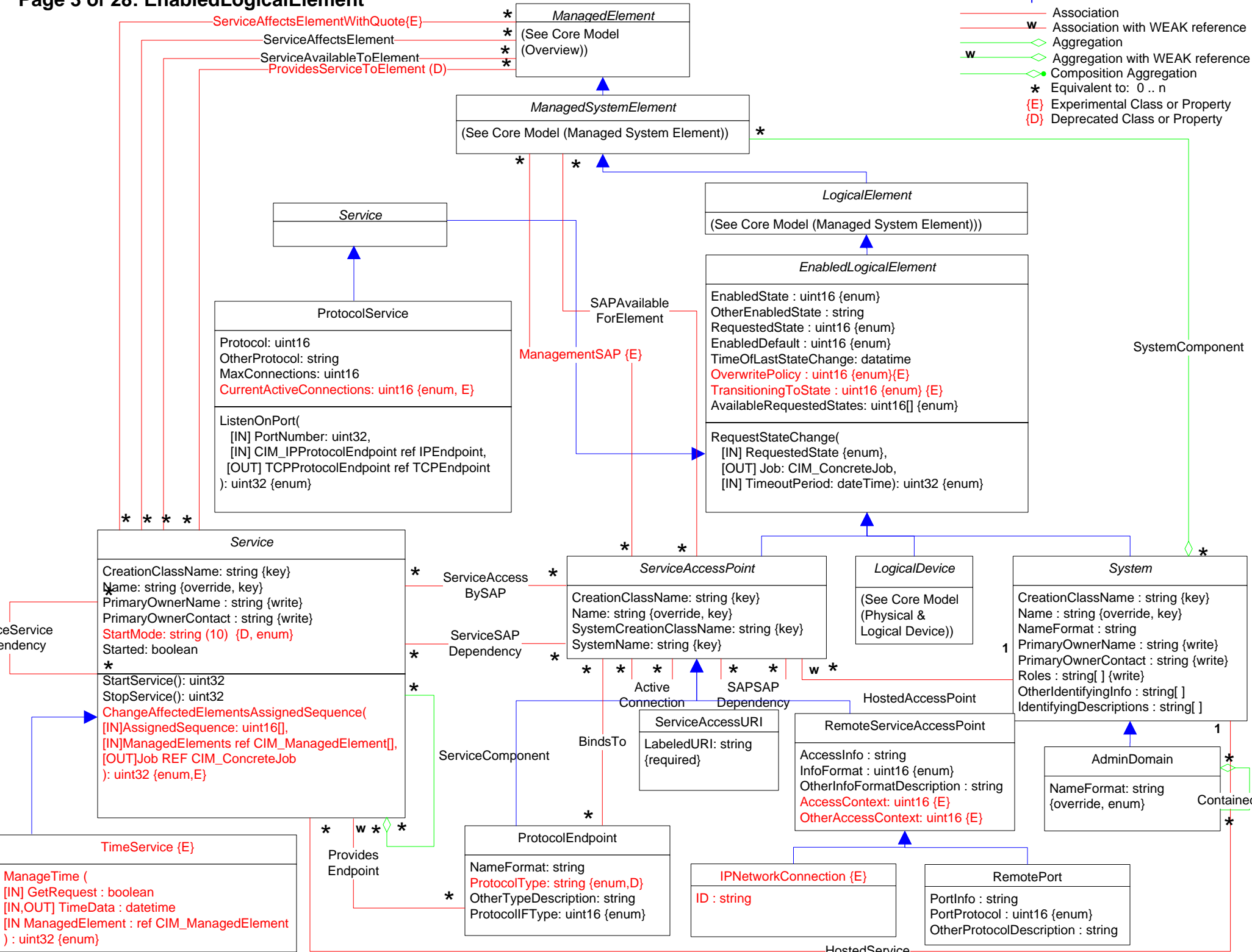
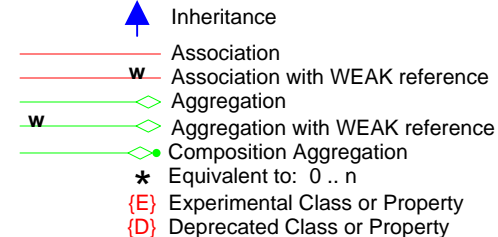


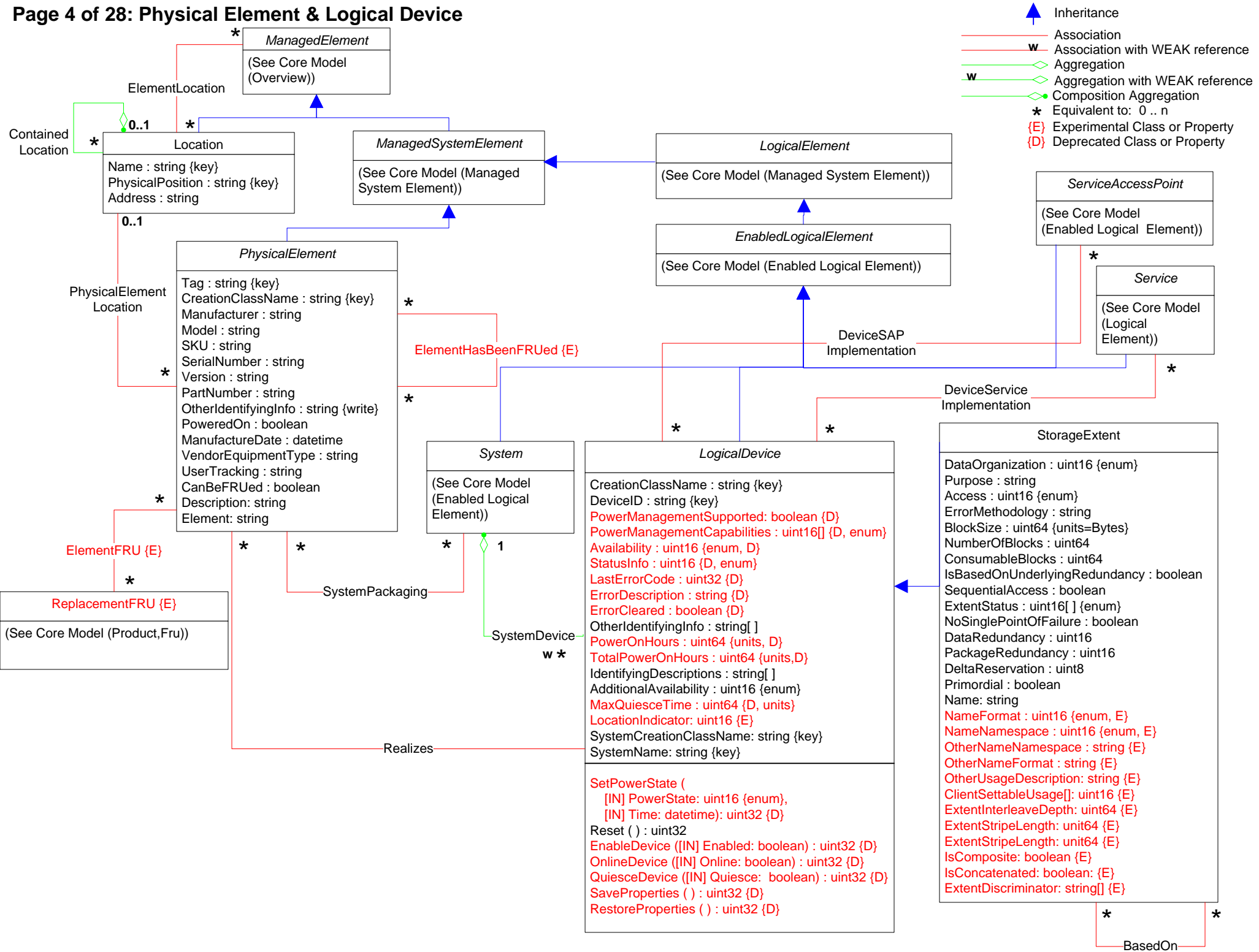
Page 1 : Overview  
 Page 2 : ManagedSystemElement  
 Page 3 : EnabledLogicalElement  
 Page 4 : Physical Elements and Logical Devices (Including StorageExtents)  
 Page 5 : Collections/RedundancySet  
 Page 6 : Redundany Groups  
 Page 7 : Product, FRU  
 Page 8 : SoftwareIdentity  
 Page 9,10 : Statistics 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














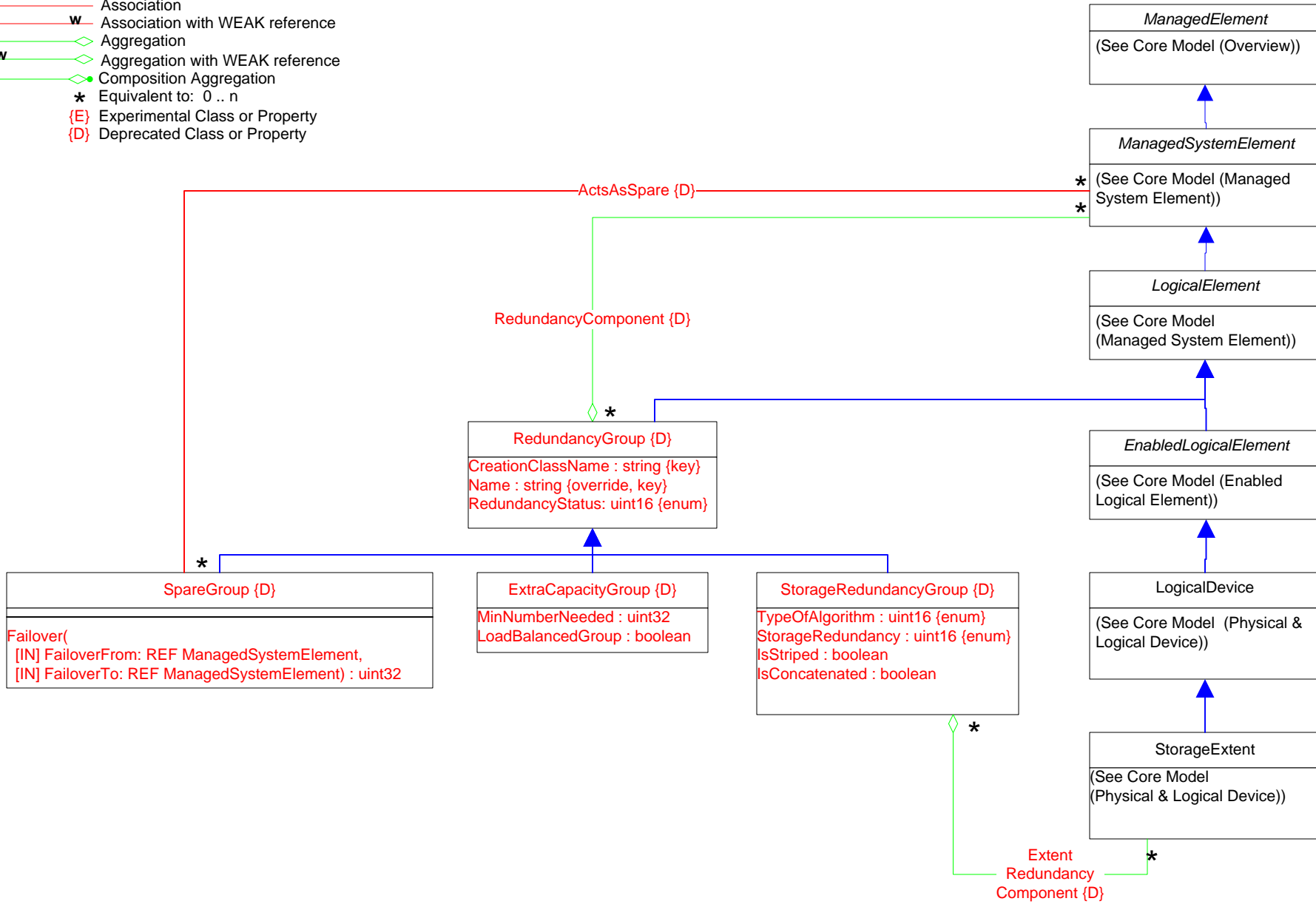













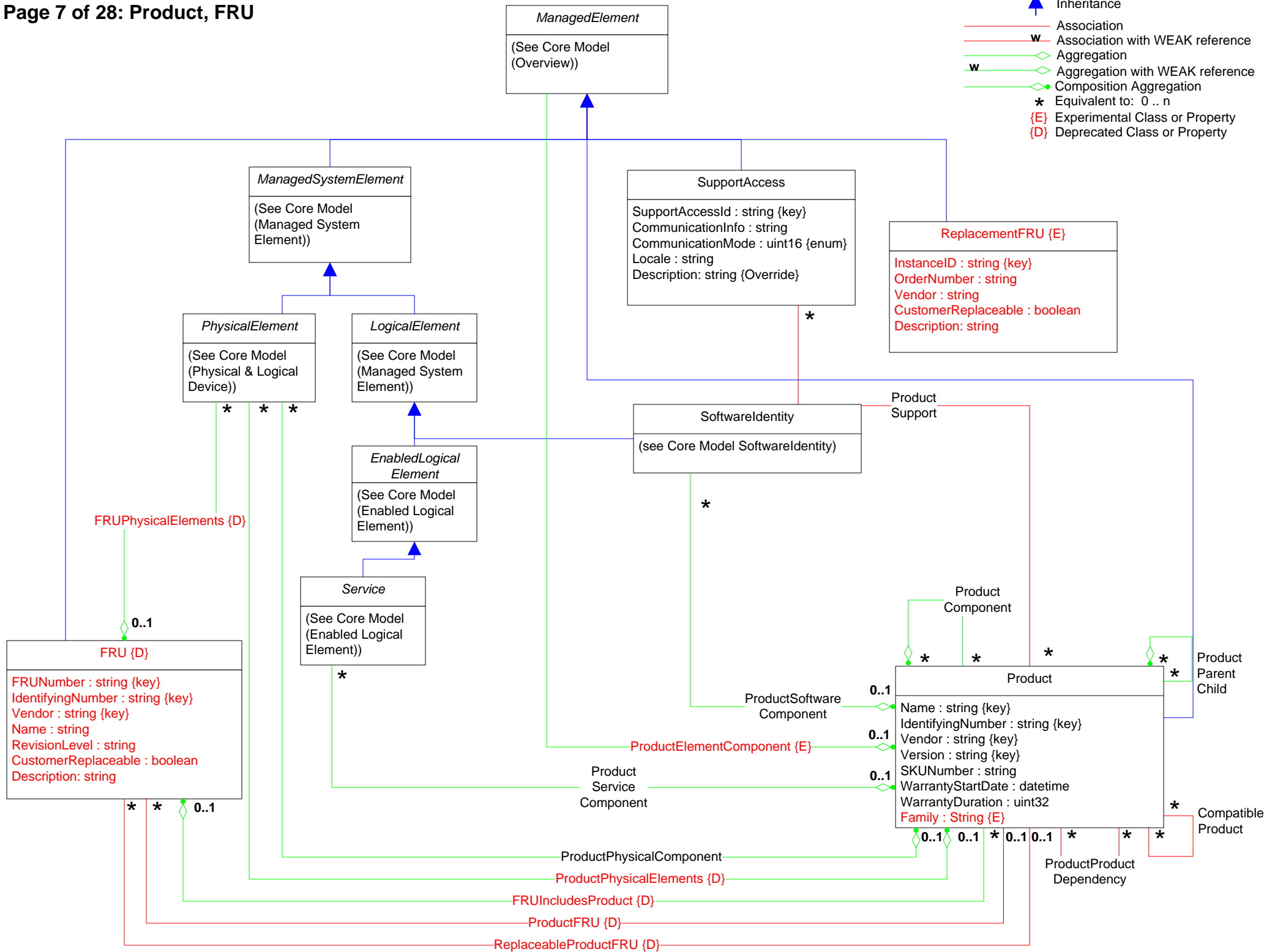


# Page 6 of 28: Redundancy Group

-  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




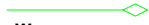







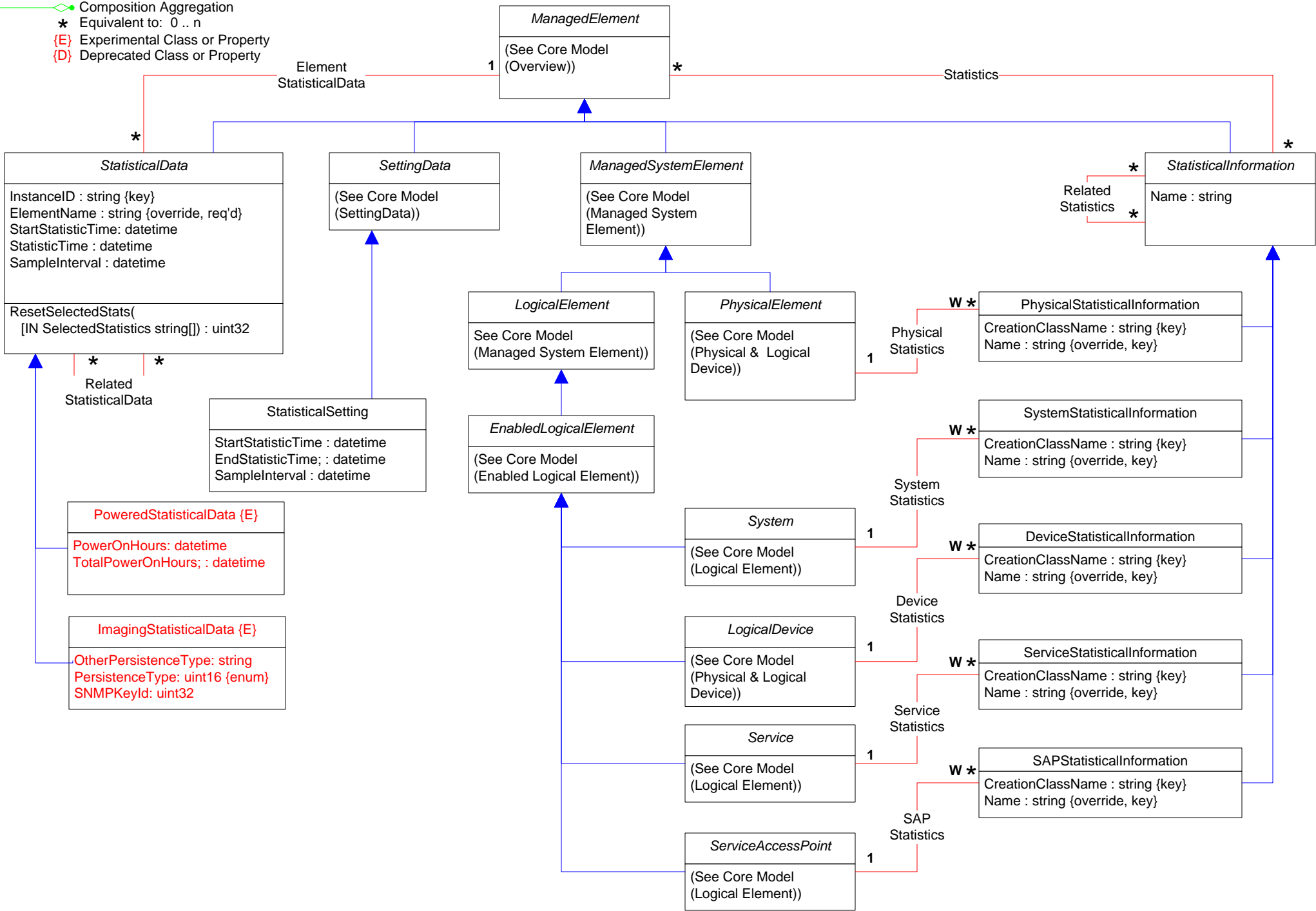
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  {E} Experimental Class or Property
-  {D} Deprecated Class or Property










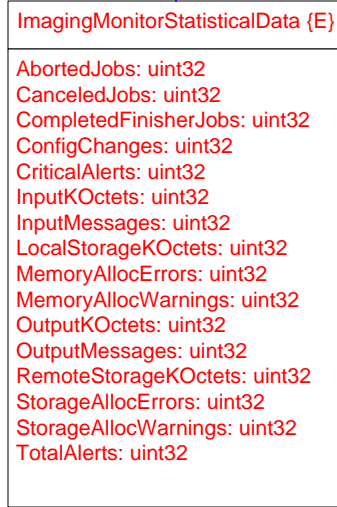
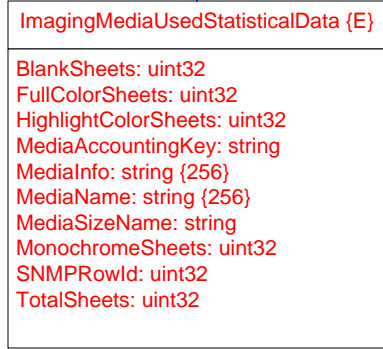
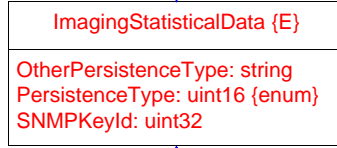
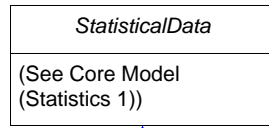


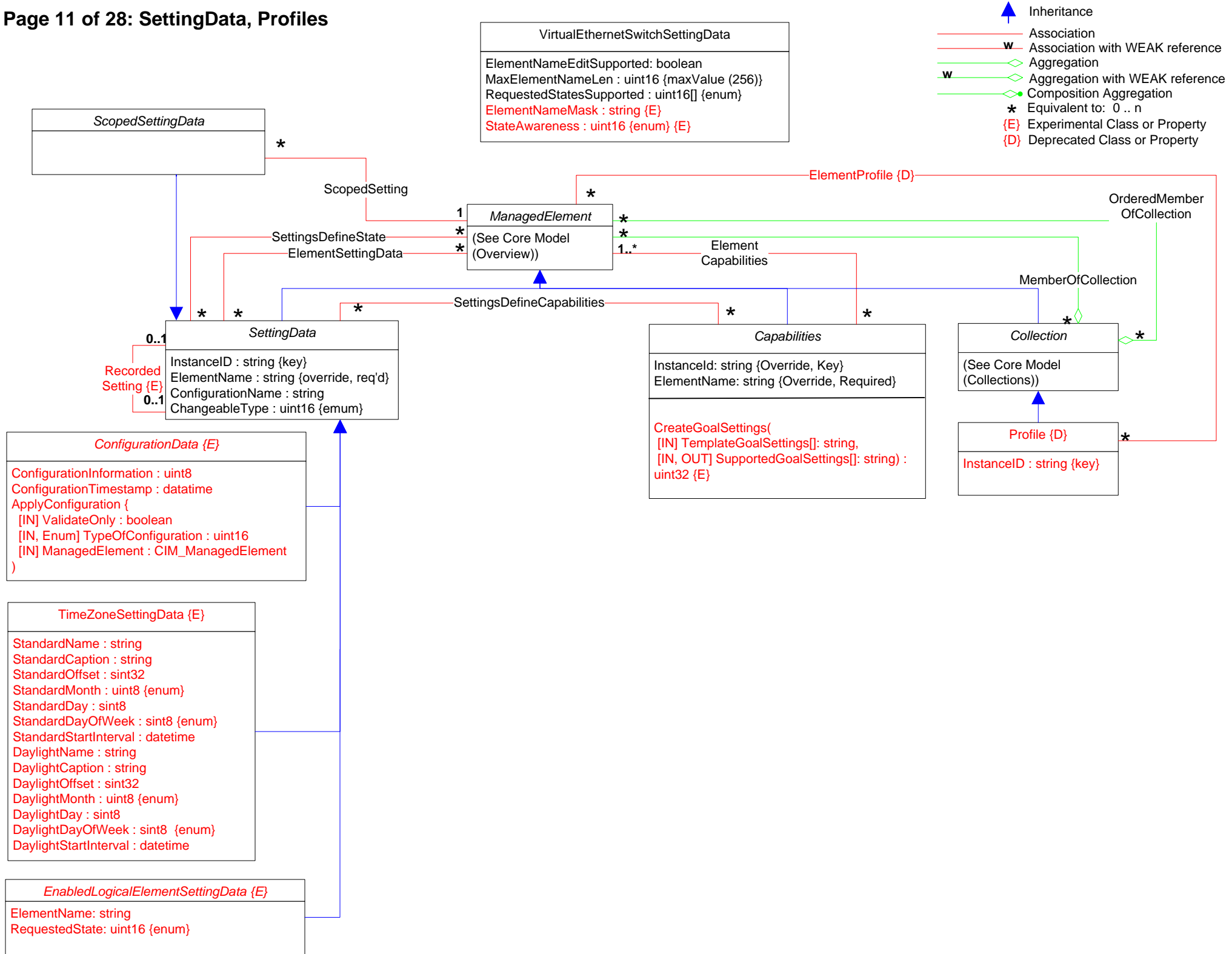


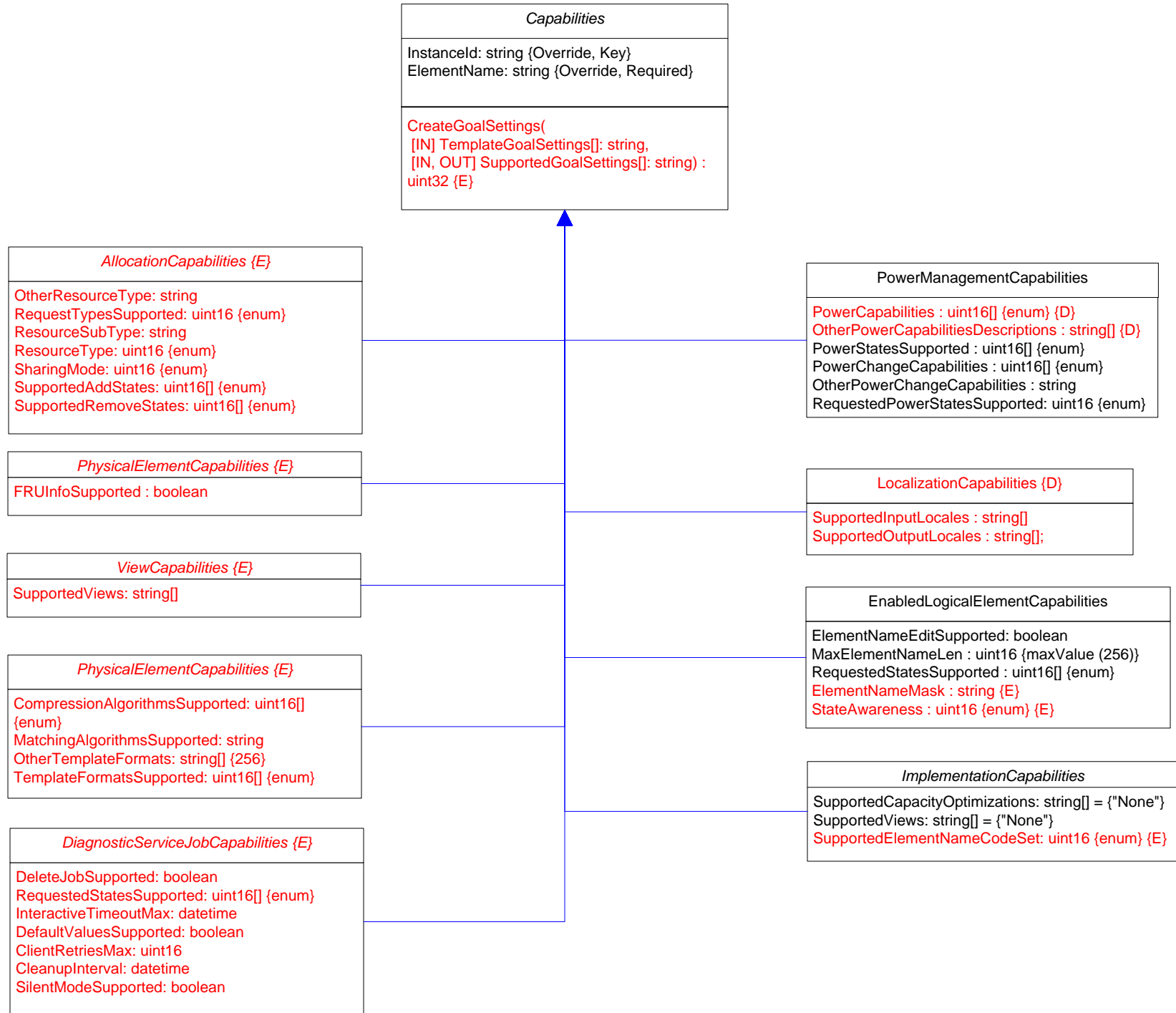
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property

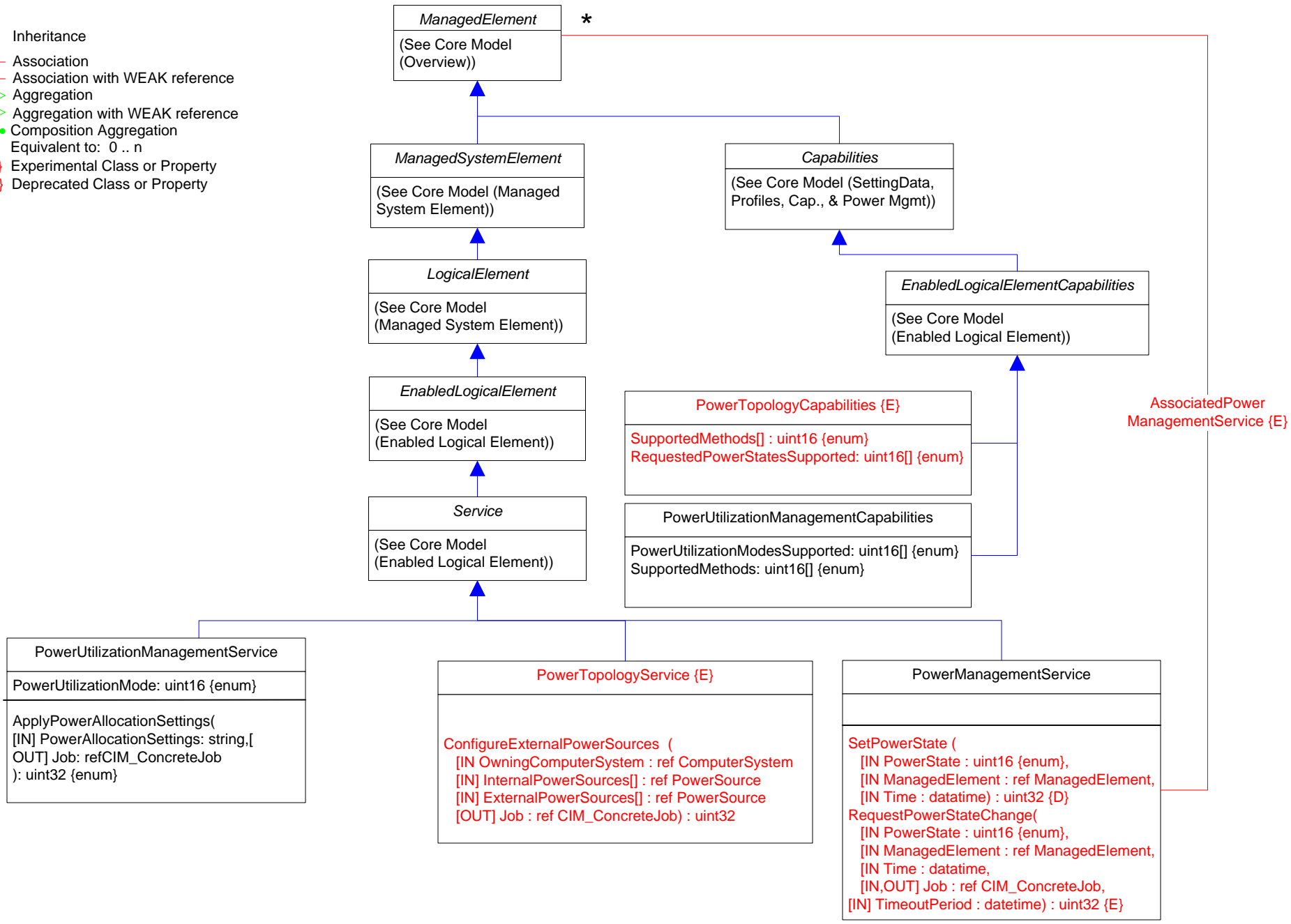
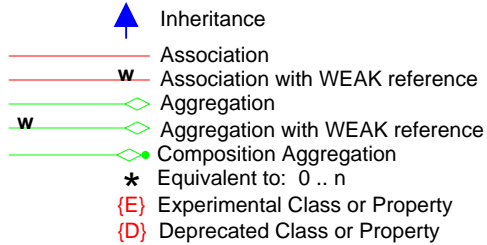


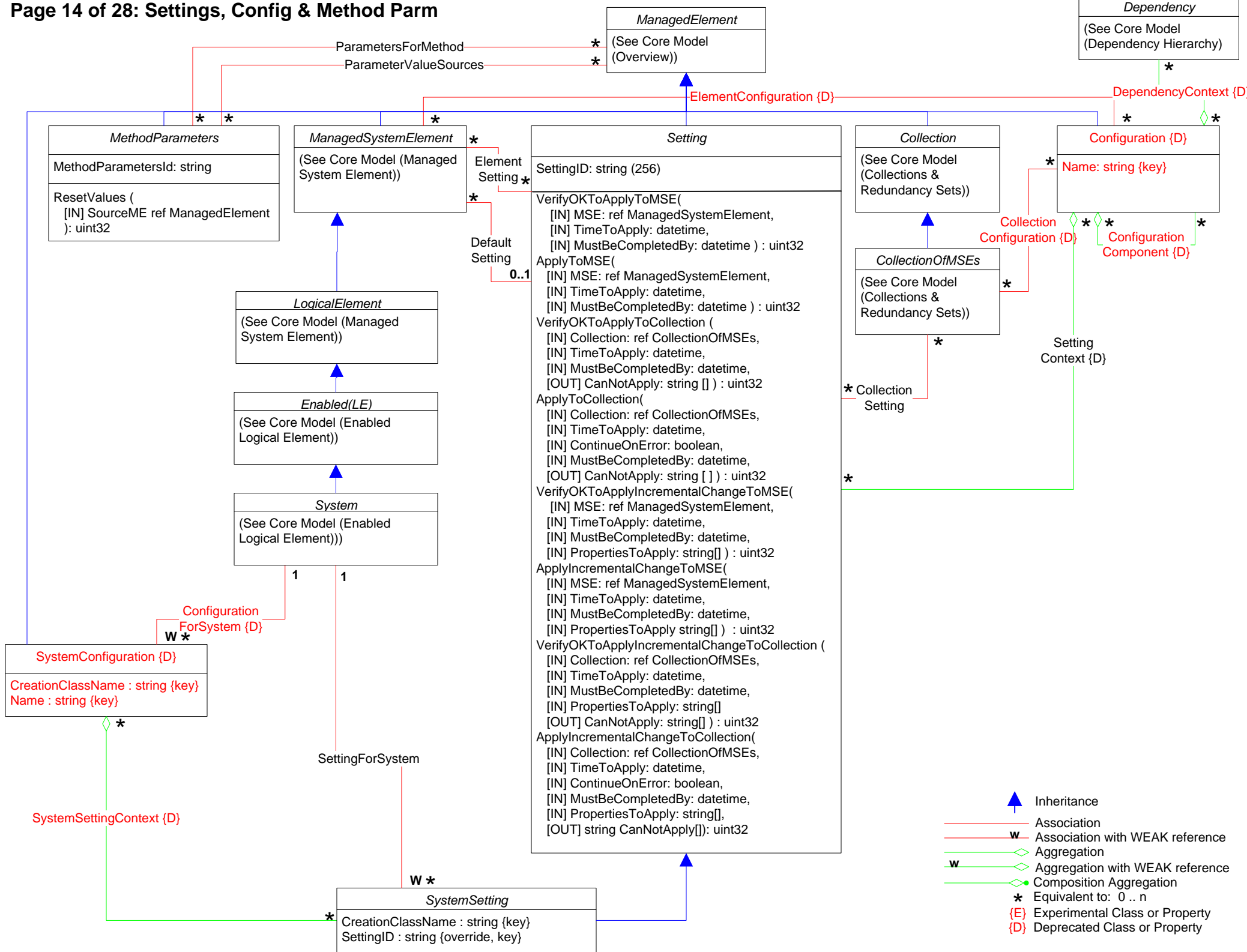
-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0 .. n
- {E} Experimental Class or Property
- {D} Deprecated Class or Property

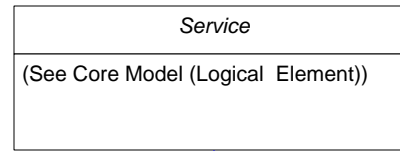
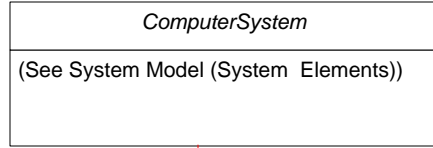
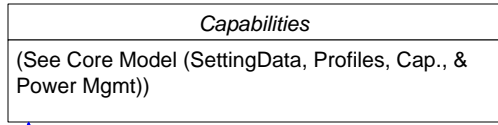
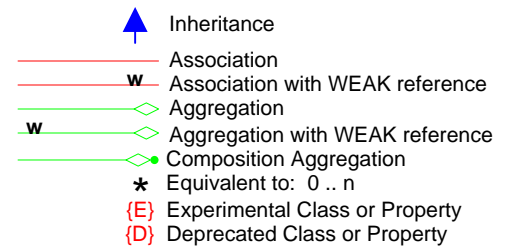




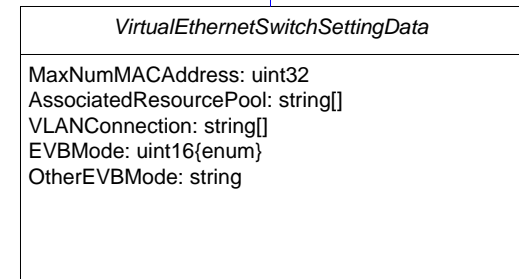
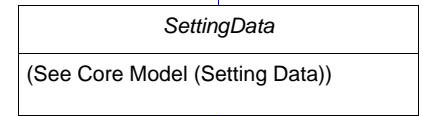
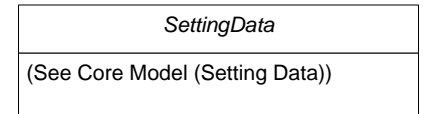
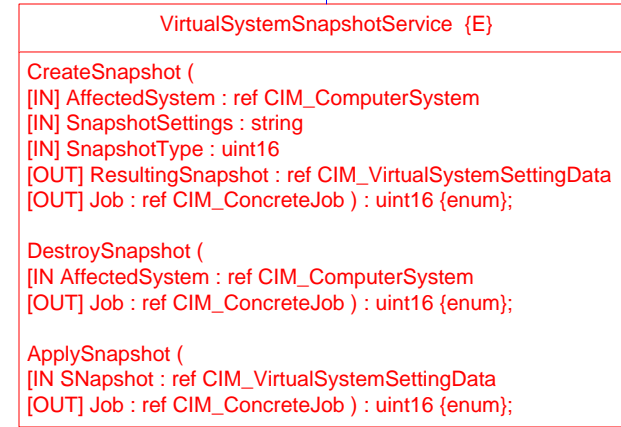
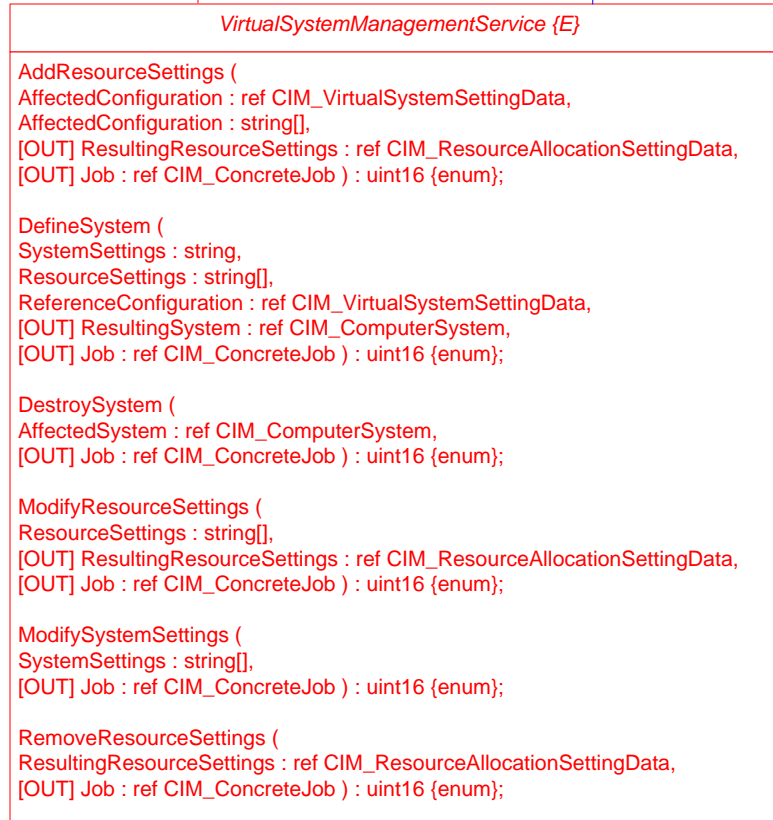
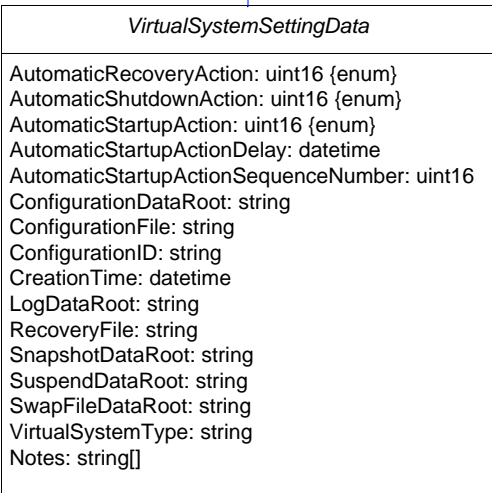
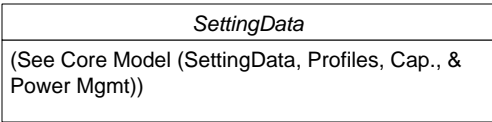
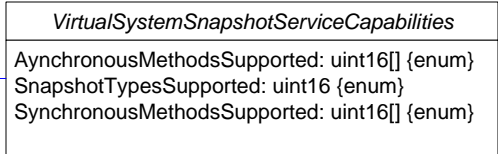
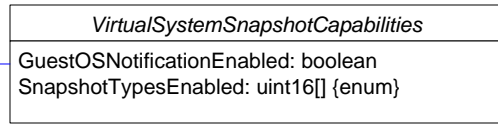
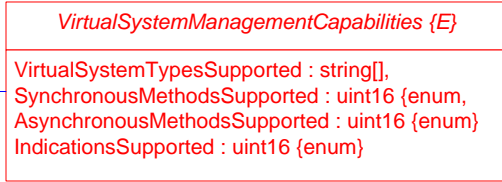


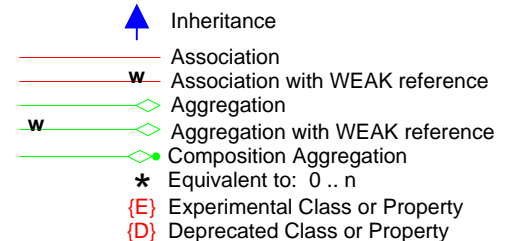
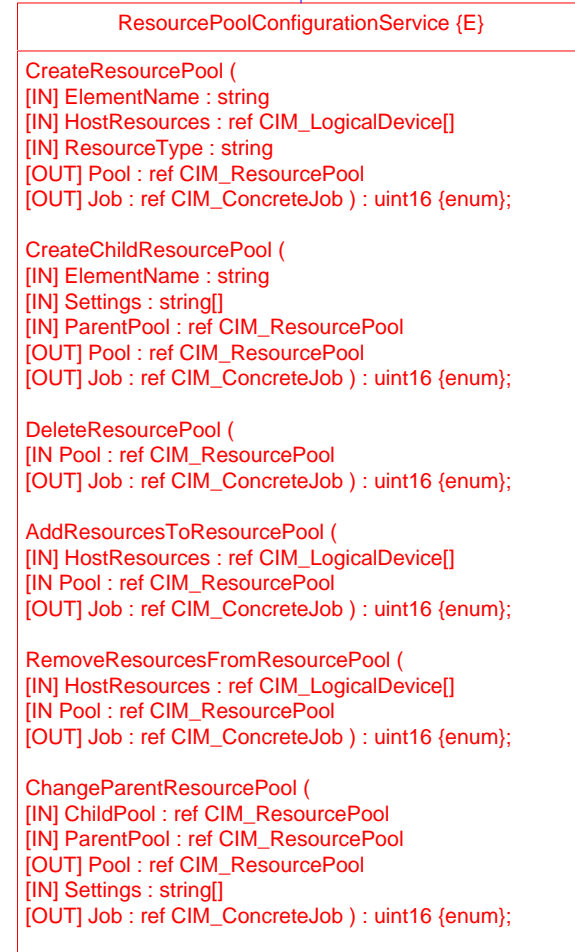
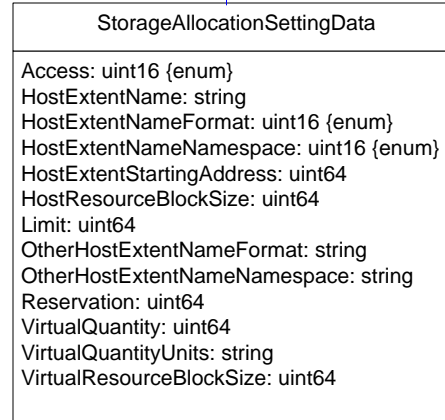
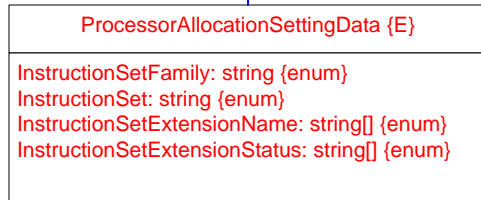
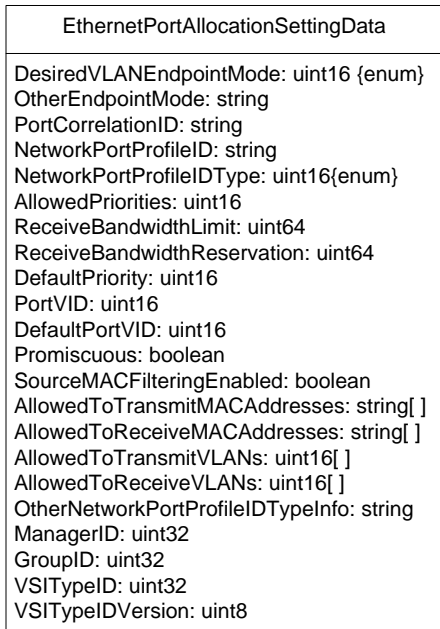
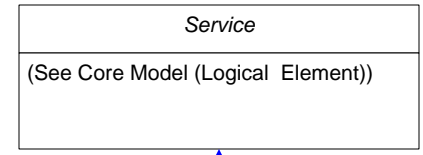
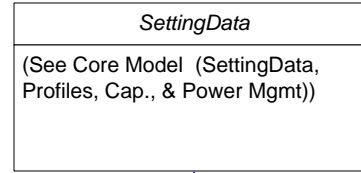
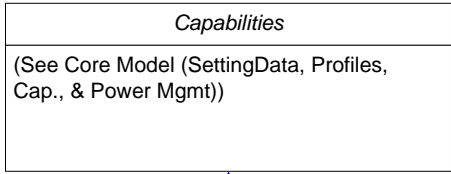
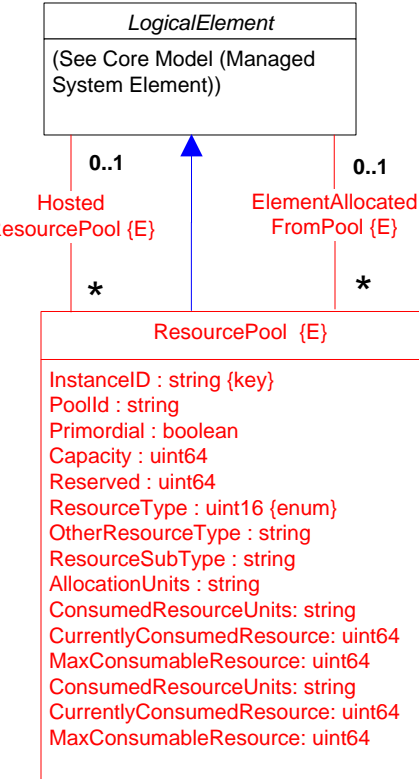
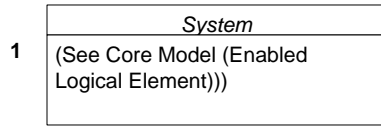















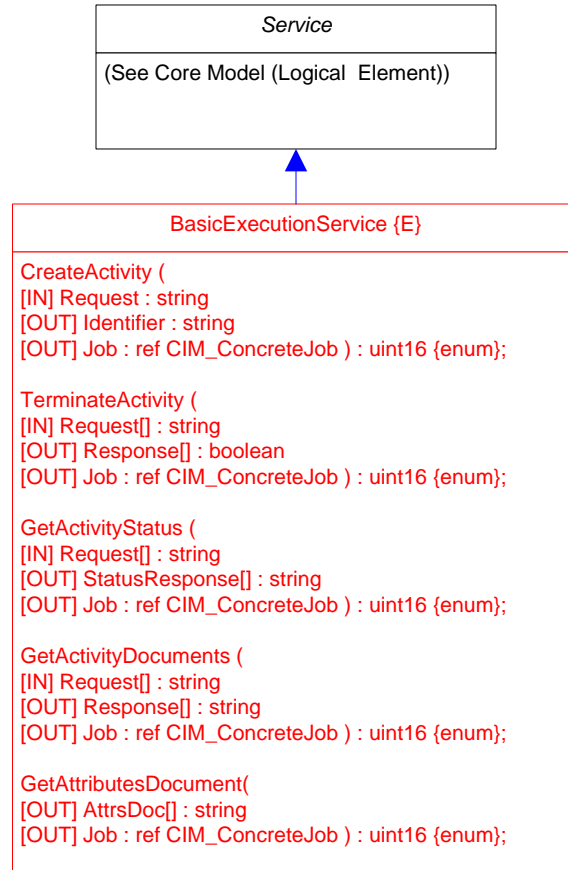
AggregatedVirtualSystemManagementService {E}

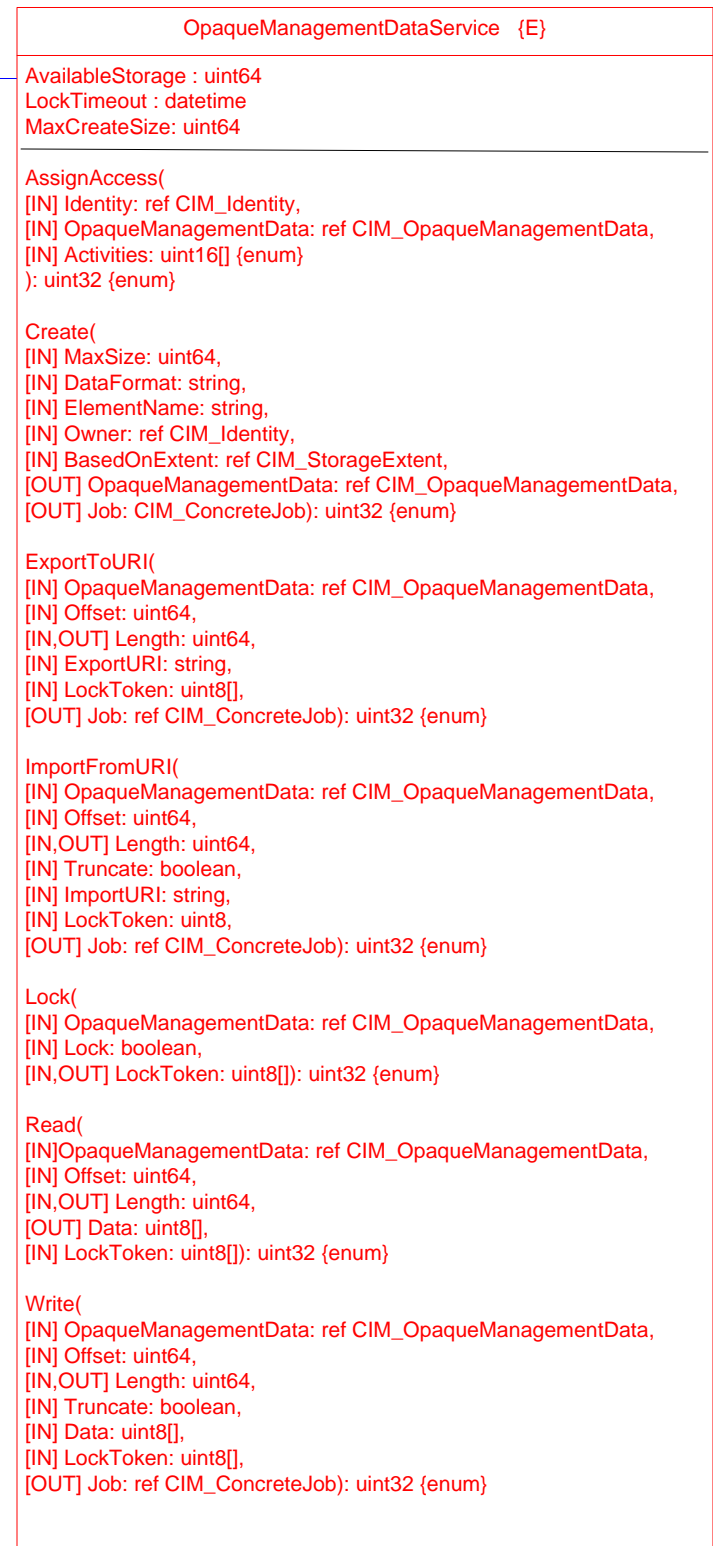
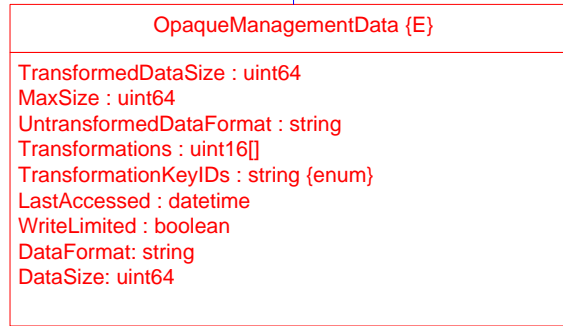
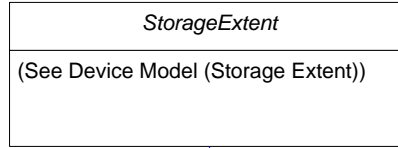
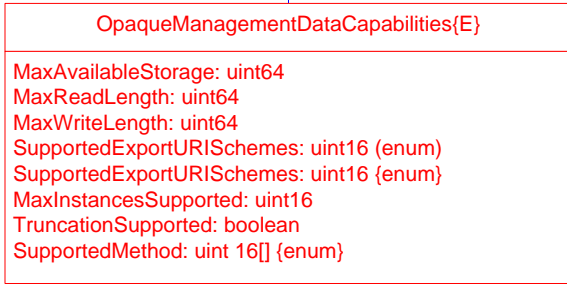
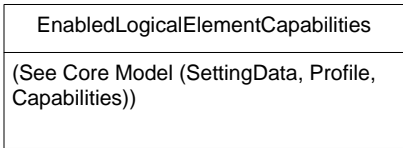
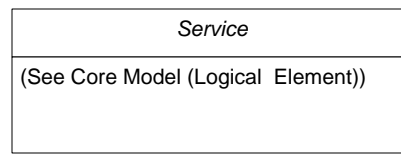
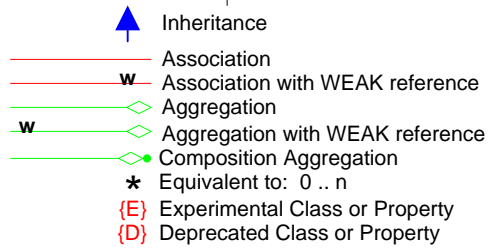






-  Inheritance
-  Association
-  Association with WEAK reference
-  Aggregation
-  Aggregation with WEAK reference
-  Composition Aggregation
-  Equivalent to: 0..n
-  Experimental Class or Property
-  Deprecated Class or Property





**OpaqueManagementDataService {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: 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}

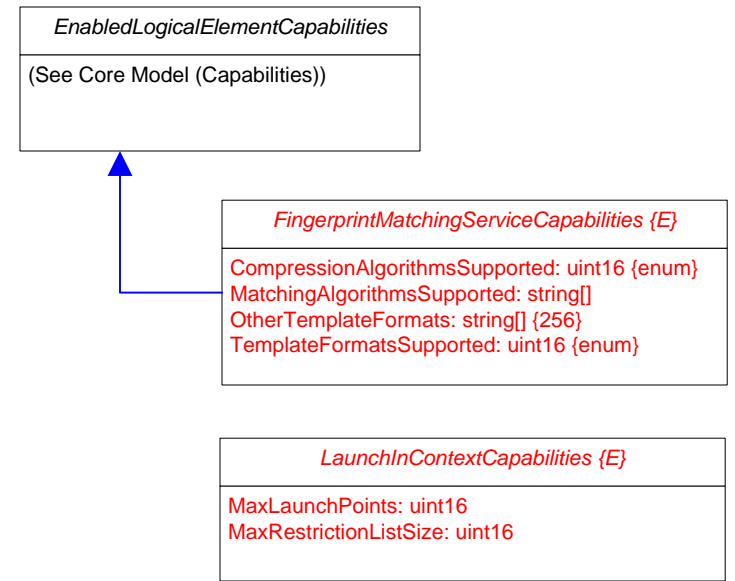
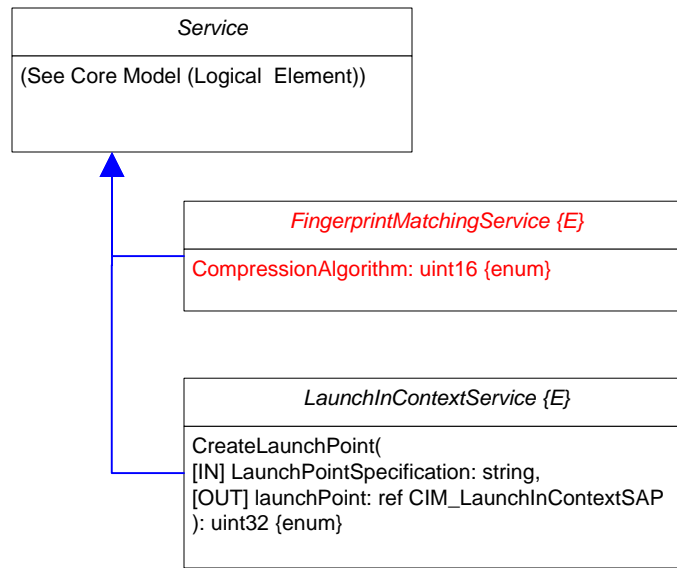
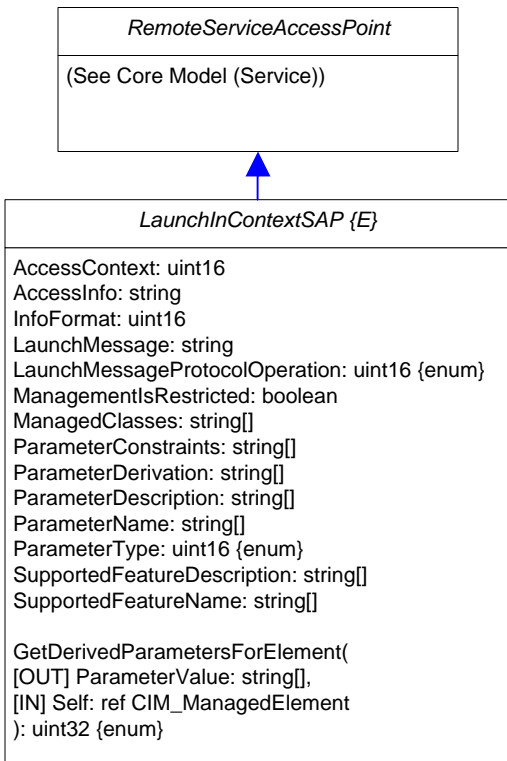
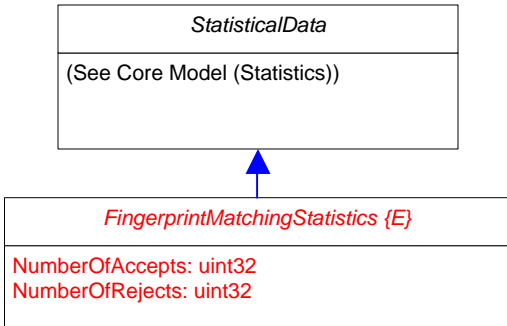
ImportFromURI(  
 [IN] OpaqueManagementData: ref CIM\_OpaqueManagementData,  
 [IN] Offset: uint64,  
 [IN,OUT] Length: uint64,  
 [IN] Truncate: boolean,  
 [IN] ImportURI: string,  
 [IN] LockToken: uint8,  
 [OUT] Job: ref CIM\_ConcreteJob): uint32 {enum}

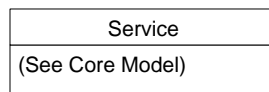
Lock(  
 [IN] OpaqueManagementData: ref CIM\_OpaqueManagementData,  
 [IN] Lock: boolean,  
 [IN,OUT] LockToken: uint8[]): uint32 {enum}

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}

-  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}

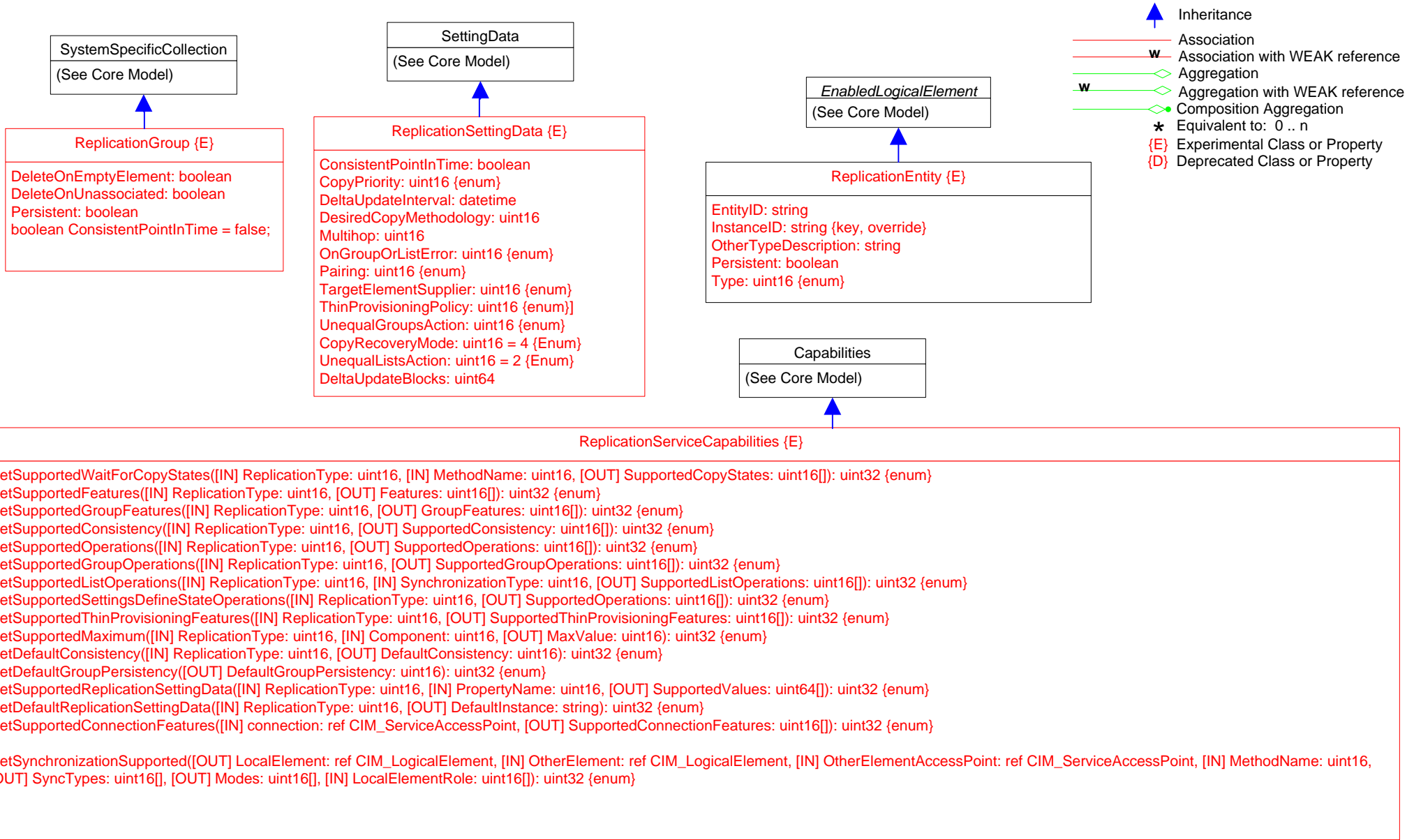
GetServiceAccessPoints([IN] System: ref CIM\_ComputerSystem, [OUT] Job: ref CIM\_ConcreteJob, [OUT] ServiceAccessPoints[]: ref CIM\_ServiceAccessPoint): uint32 {enum}

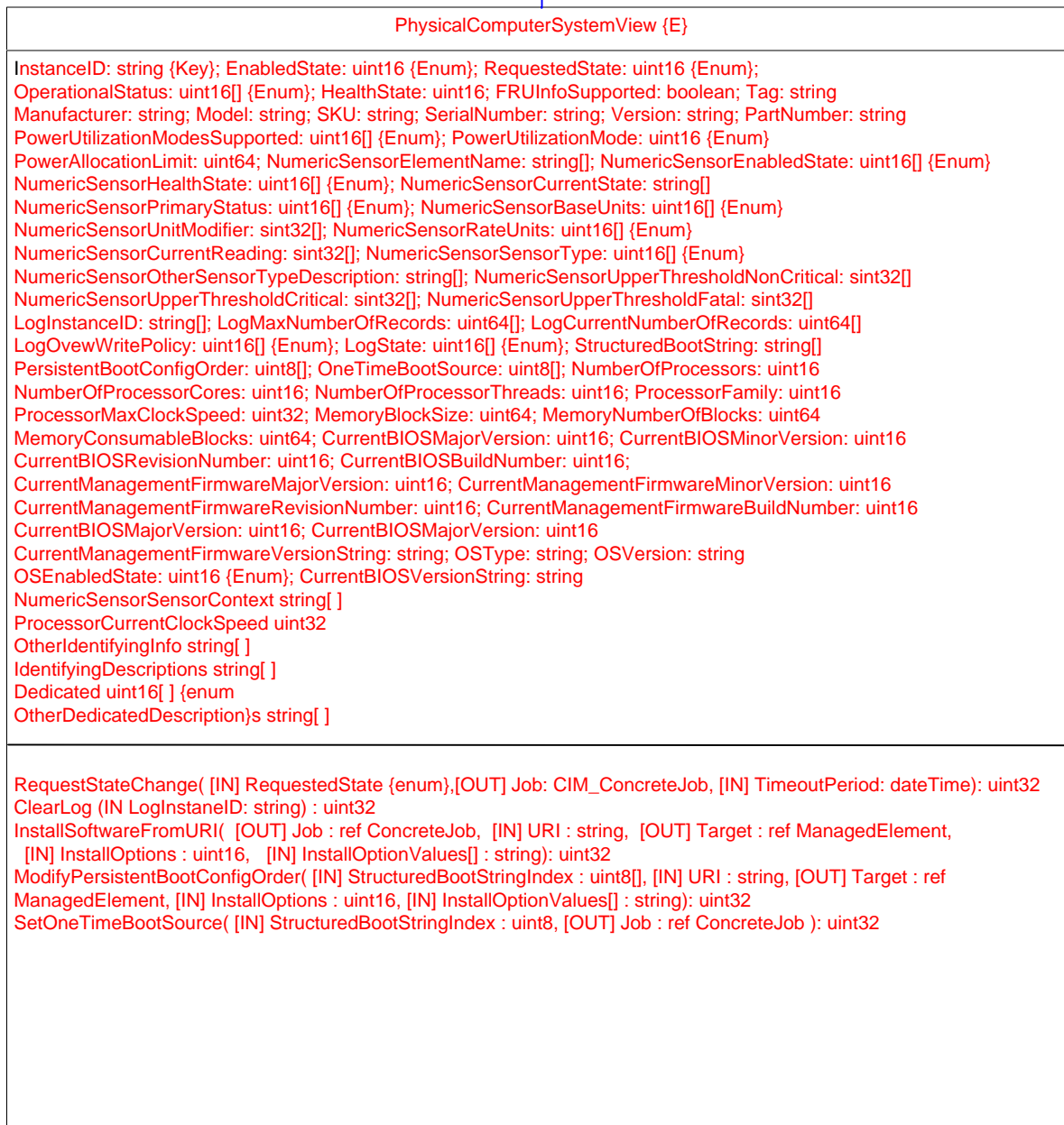
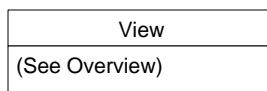
AddReplicationEntity([IN] ReplicationEntity: string, [IN] Persistent: boolean, [IN] InstanceNamespace: string, [OUT] ReplicationEntityPath: ref CIM\_ReplicationEntity): uint32 {enum}

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 CollectionOfMSEs {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}

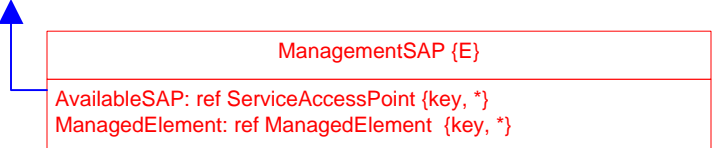
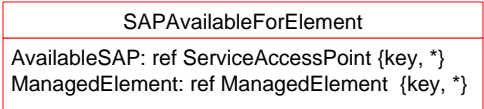
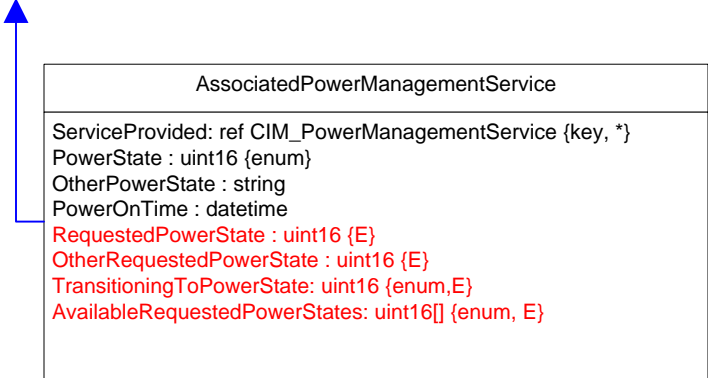
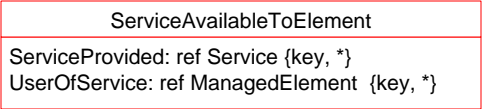
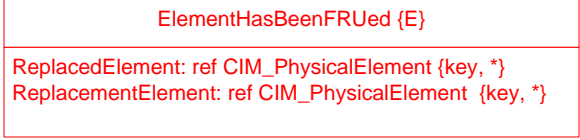
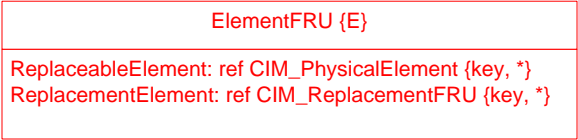
**PhysicalStatistics**  
 Stats: ref PhysicalStatisticalInformation {weak, \*}  
 Element: ref PhysicalElement {1}

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

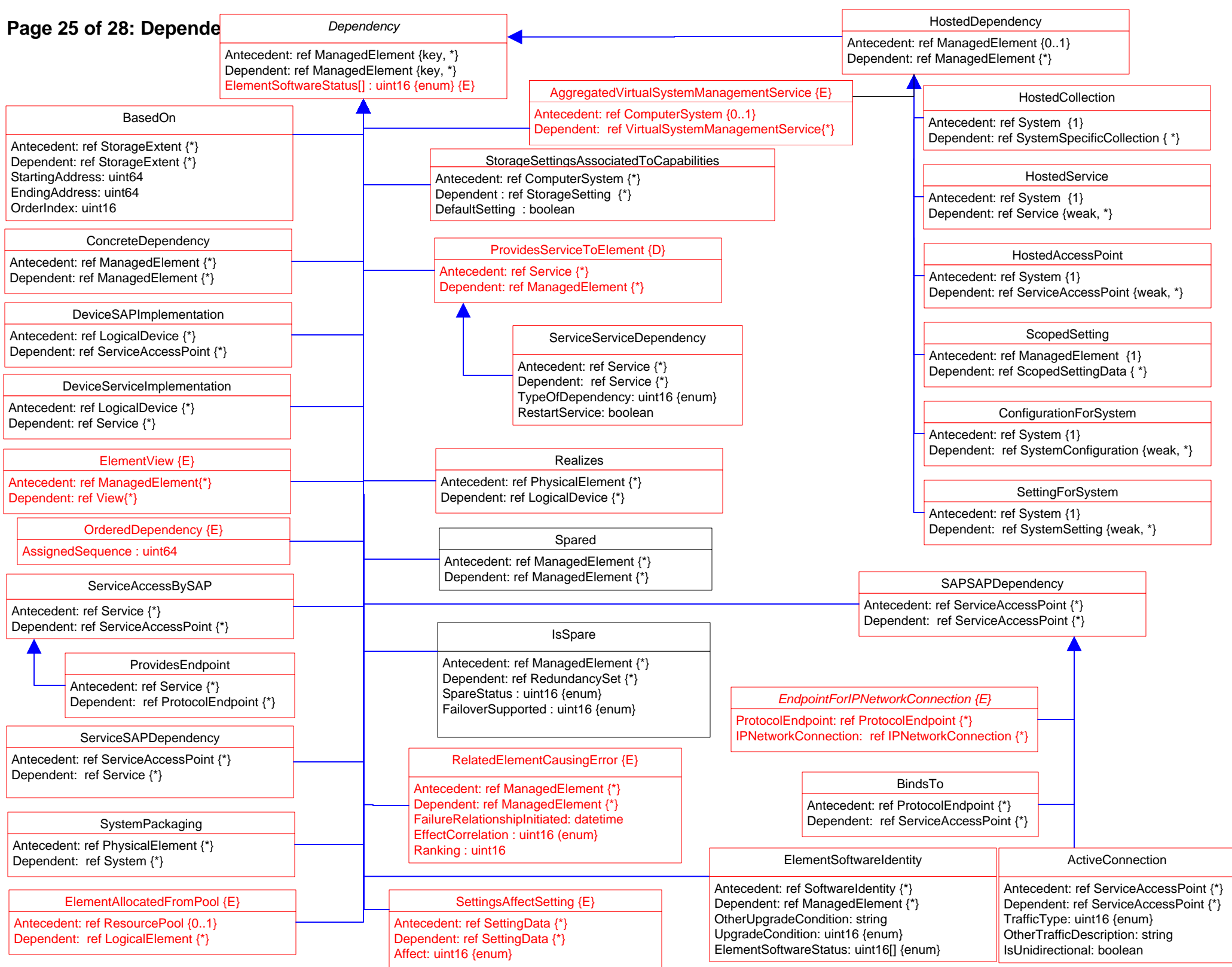
**ServiceAffectsElementWithQuota {E}**  
 Quota: uint16  
 QuotaUsed: uint16  
 QuotaUnits: string

**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}









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}



