Title : Core Specification V2.16
Filename: CIM_Core.vsd
Author : DMTF SysDev-wg
Date : 03 August 2007

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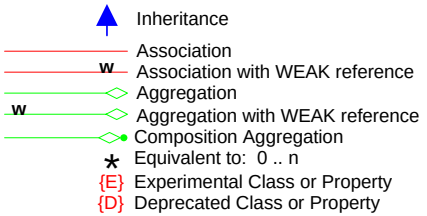
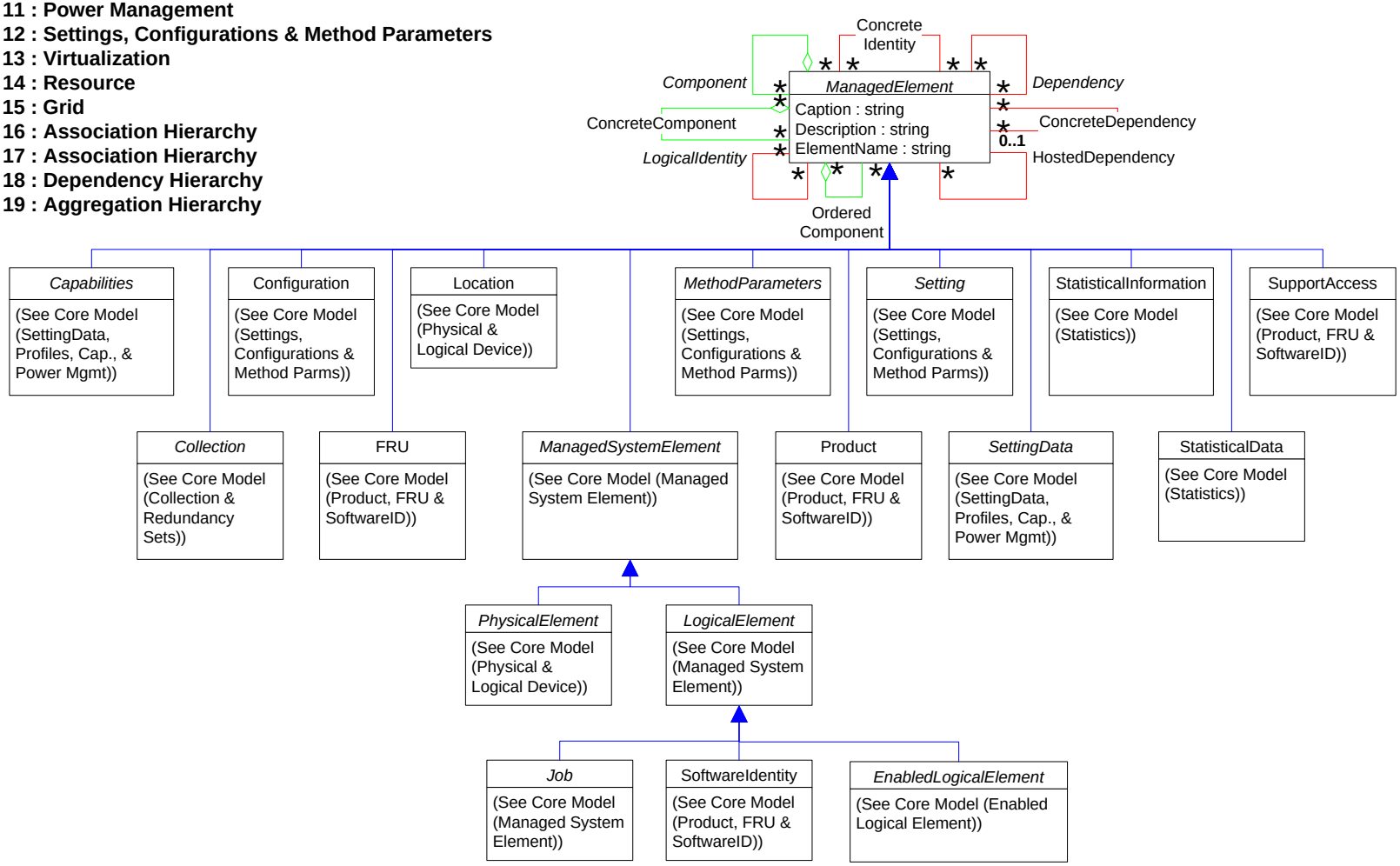
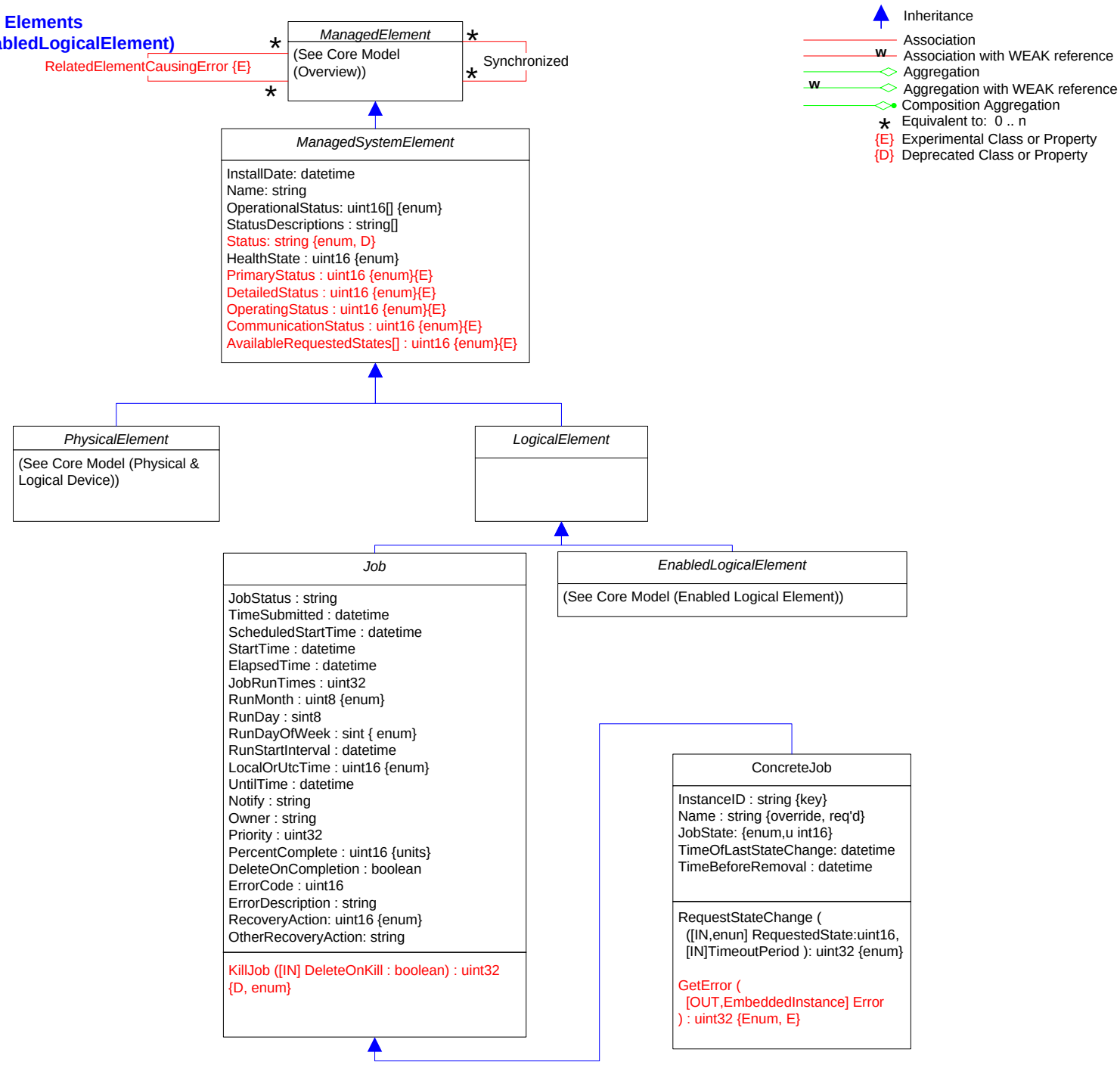
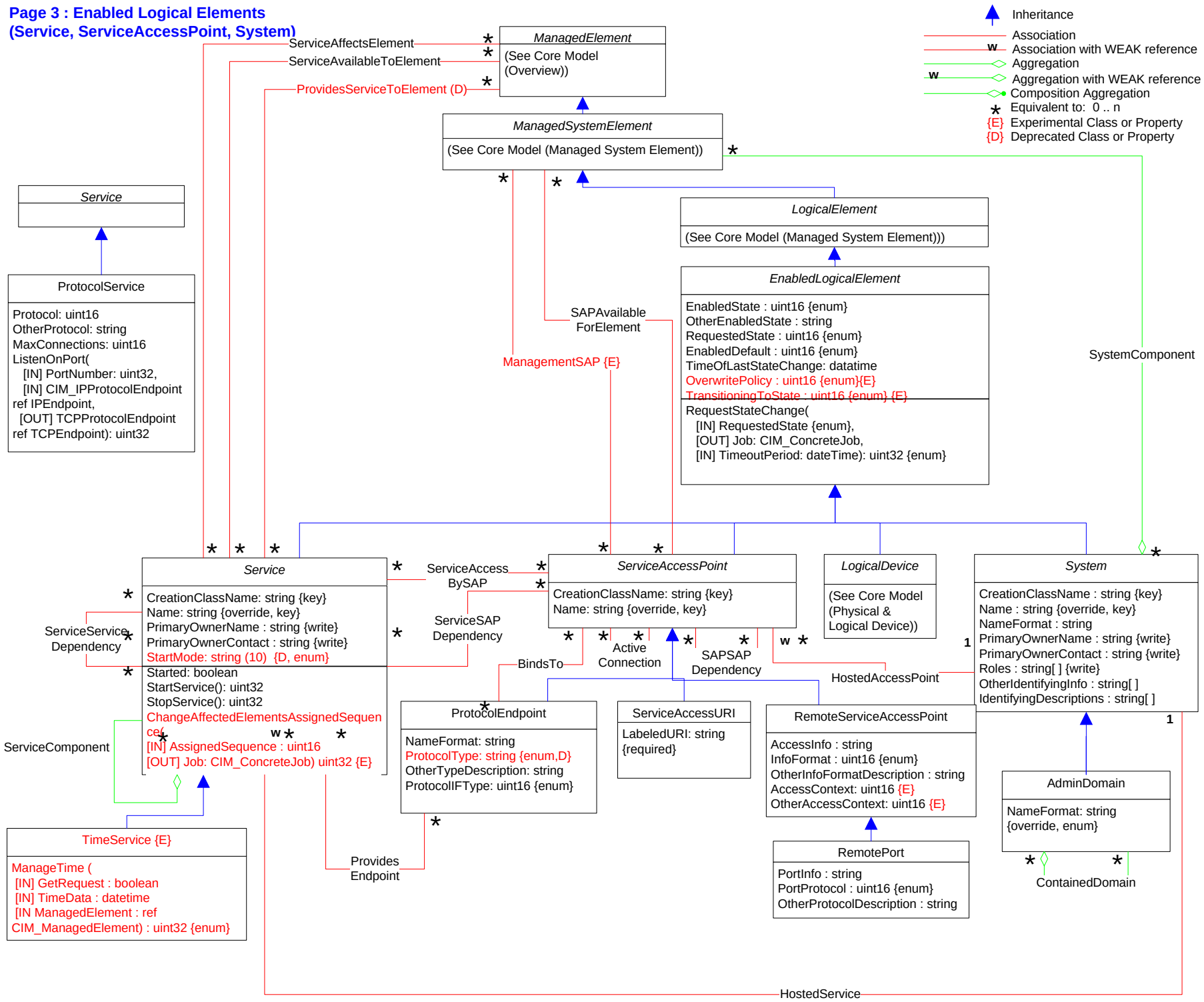




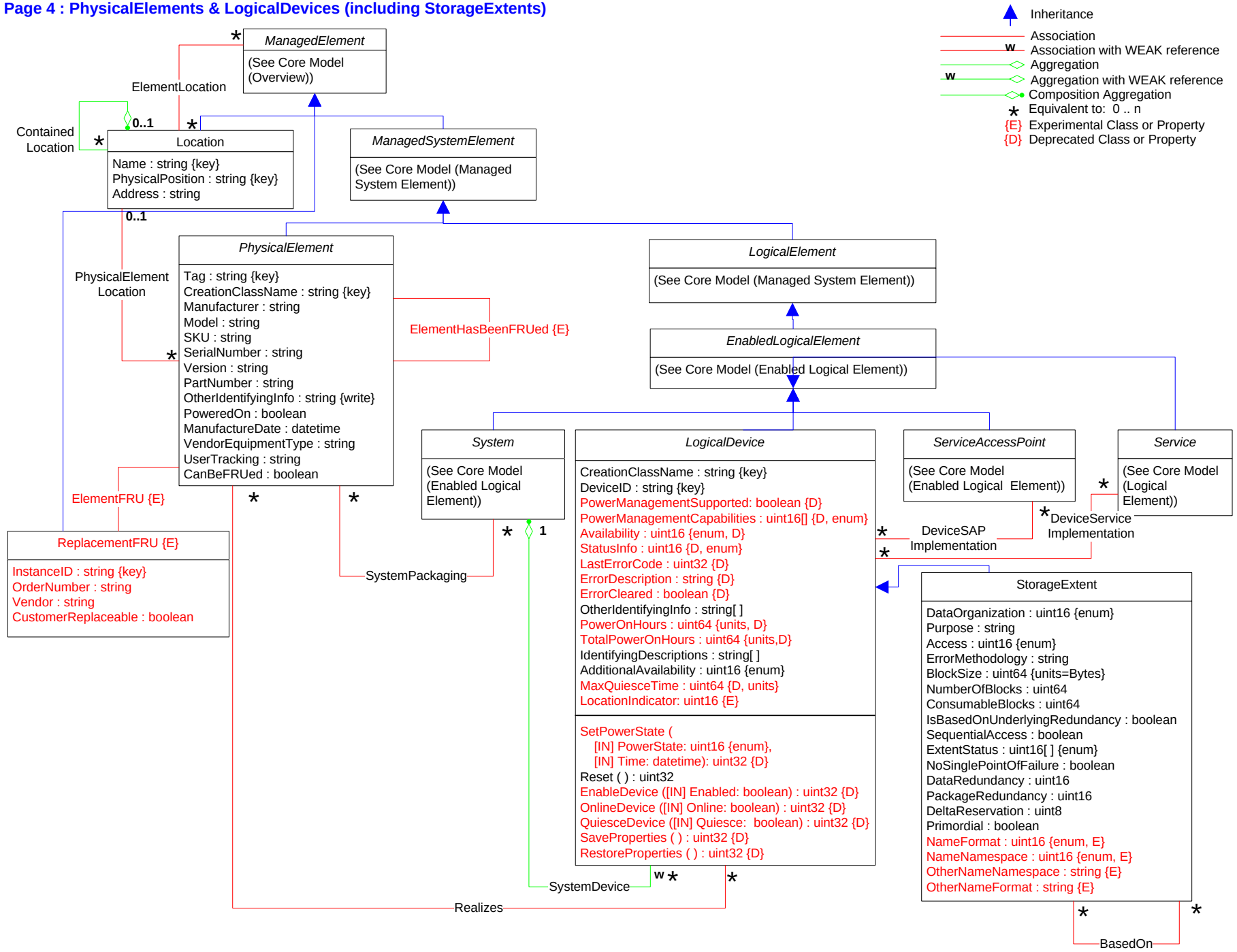
Page 2 : Managed System Elements (LogicalElement, Job, EnabledLogicalElement)



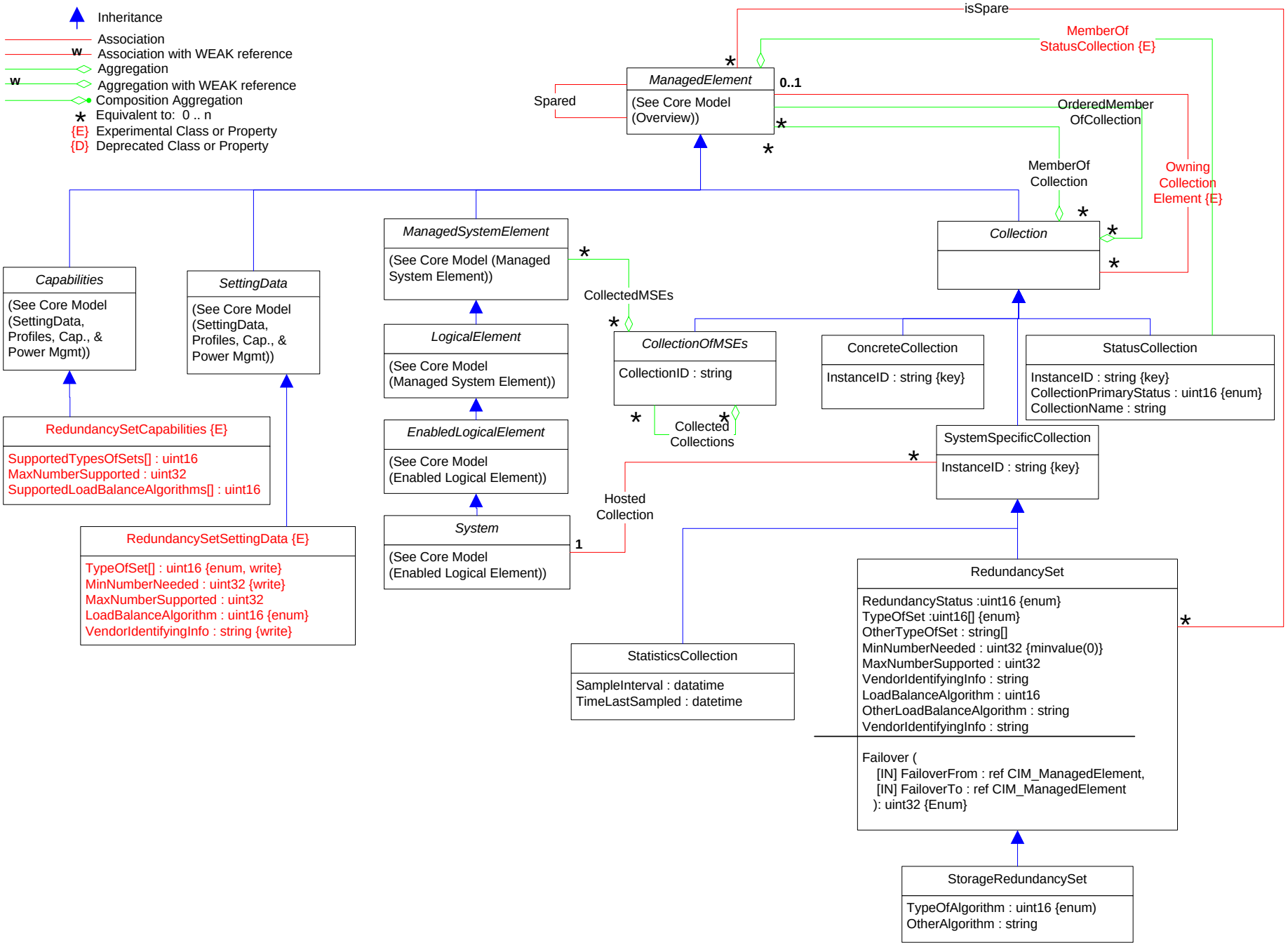
Page 3 : Enabled Logical Elements
(Service, ServiceAccessPoint, System)



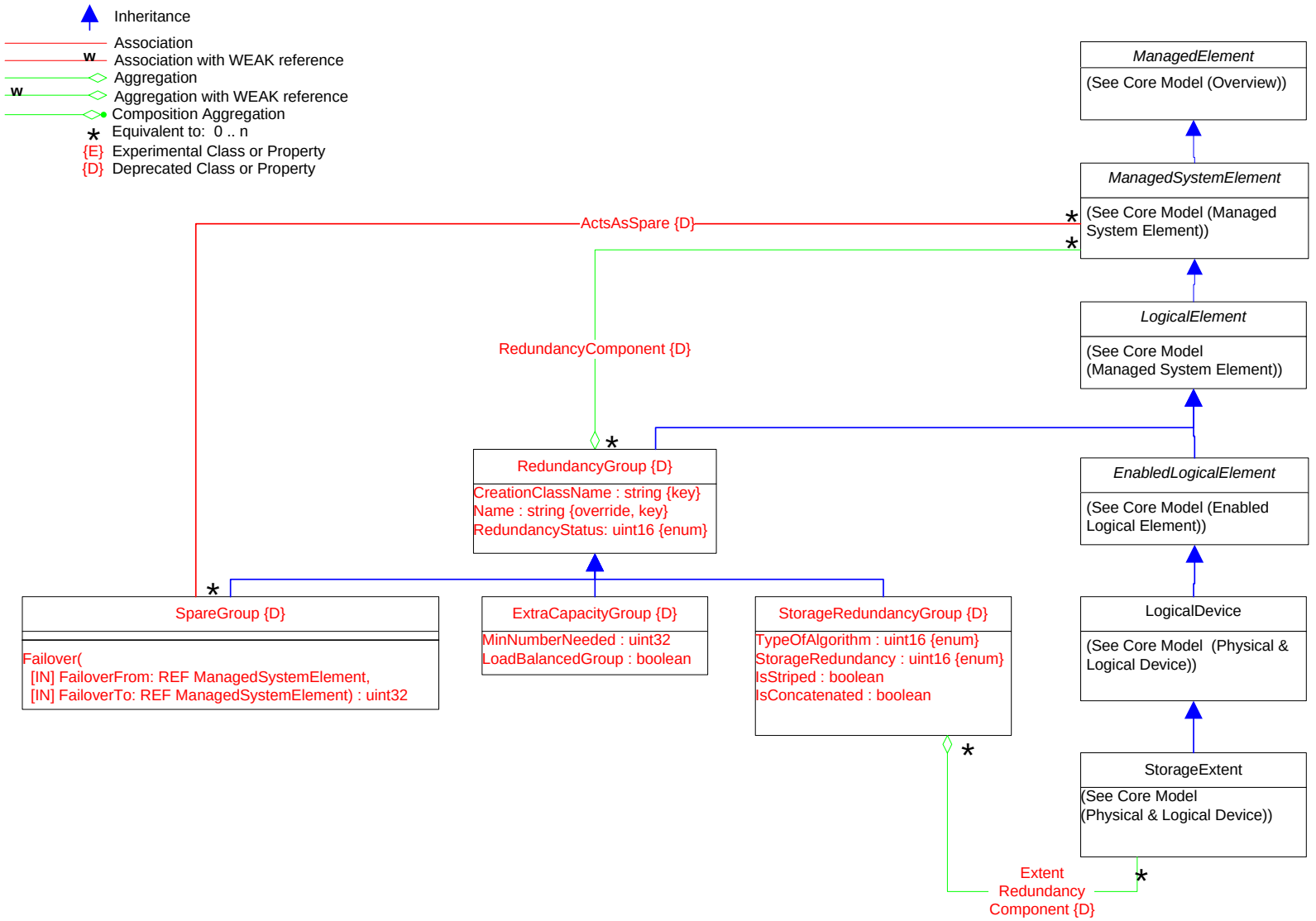
Page 4 : PhysicalElements & LogicalDevices (including StorageExtents)



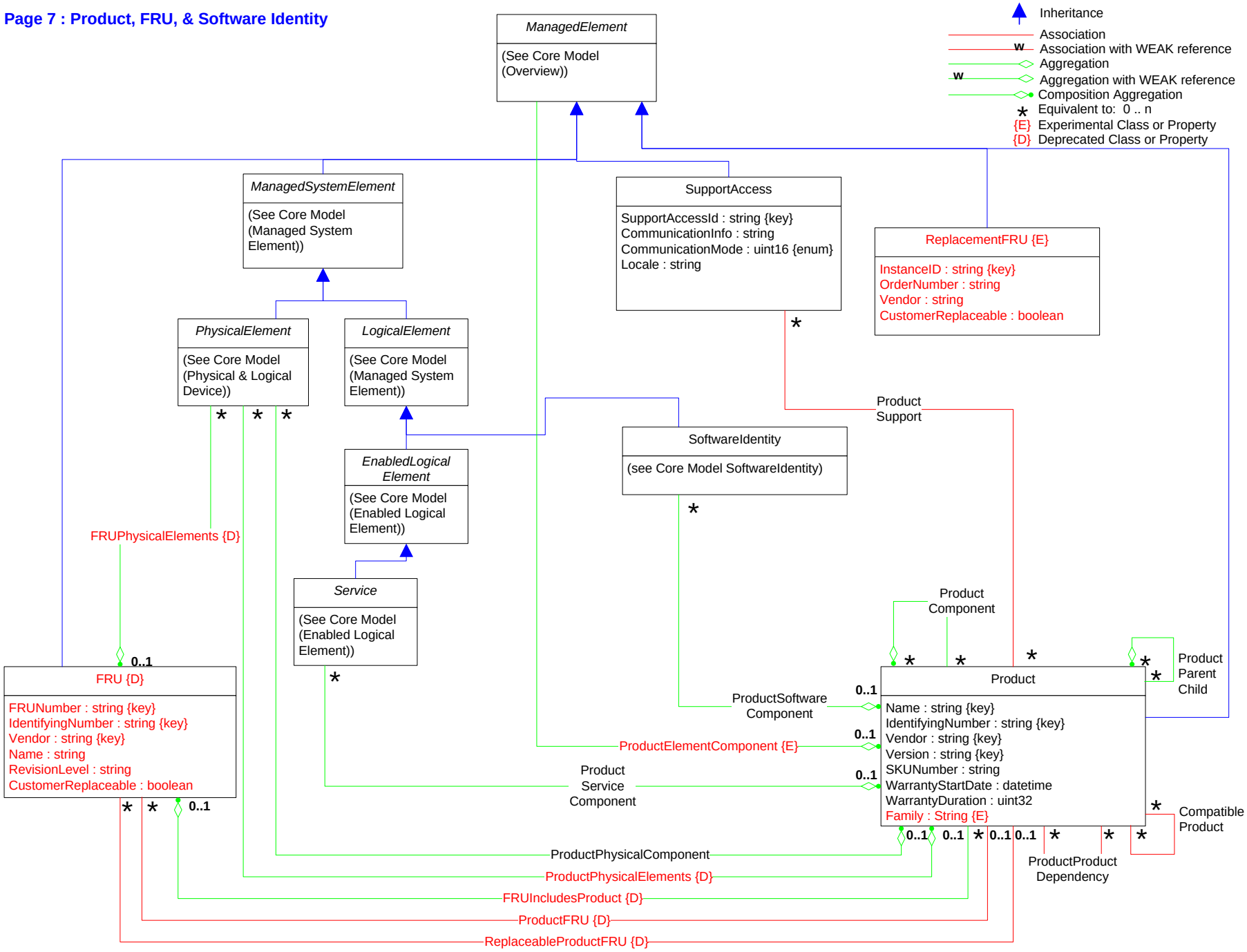
Page 5 : Collections/RedundancySet



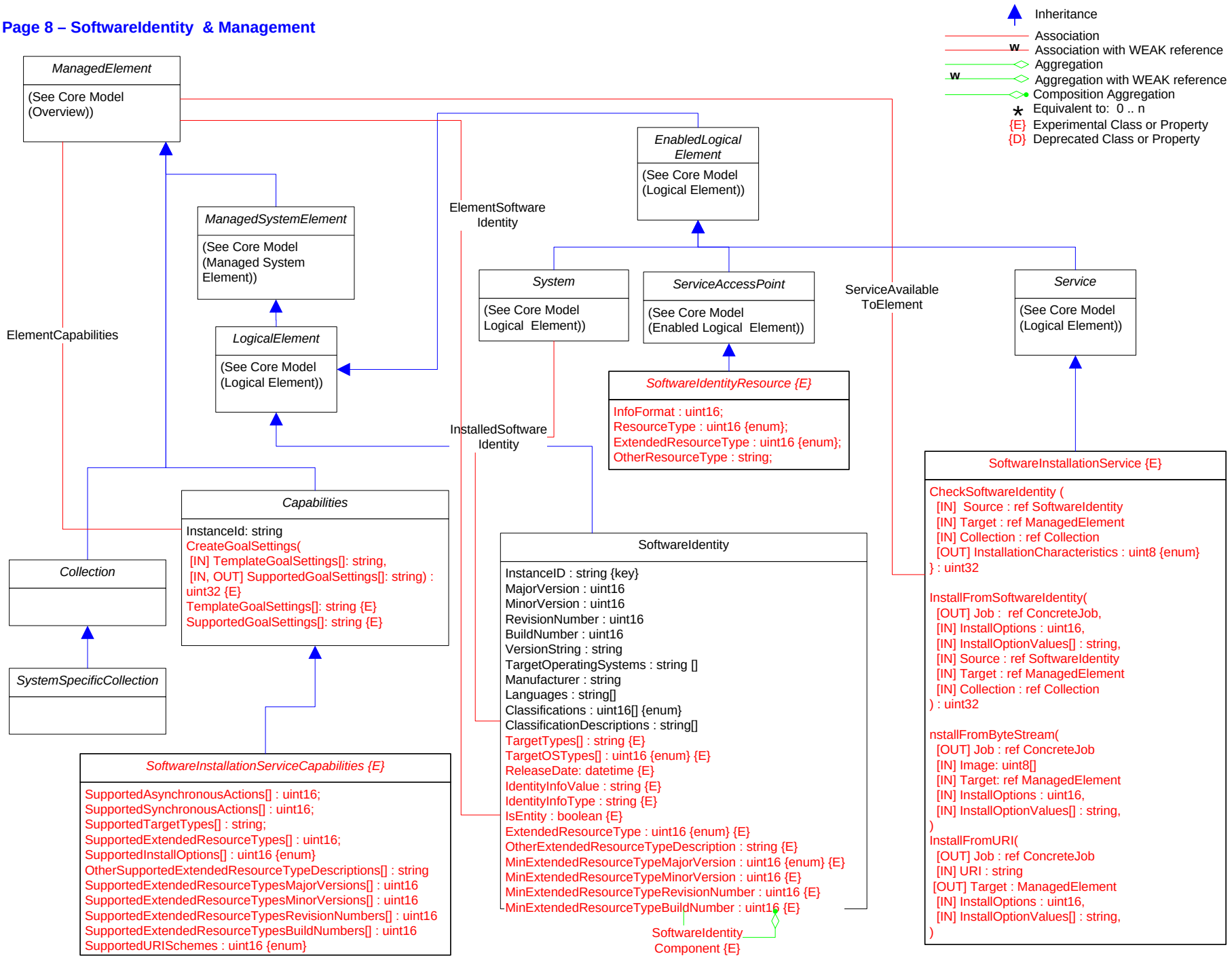
Page 6 : Redundancy Group



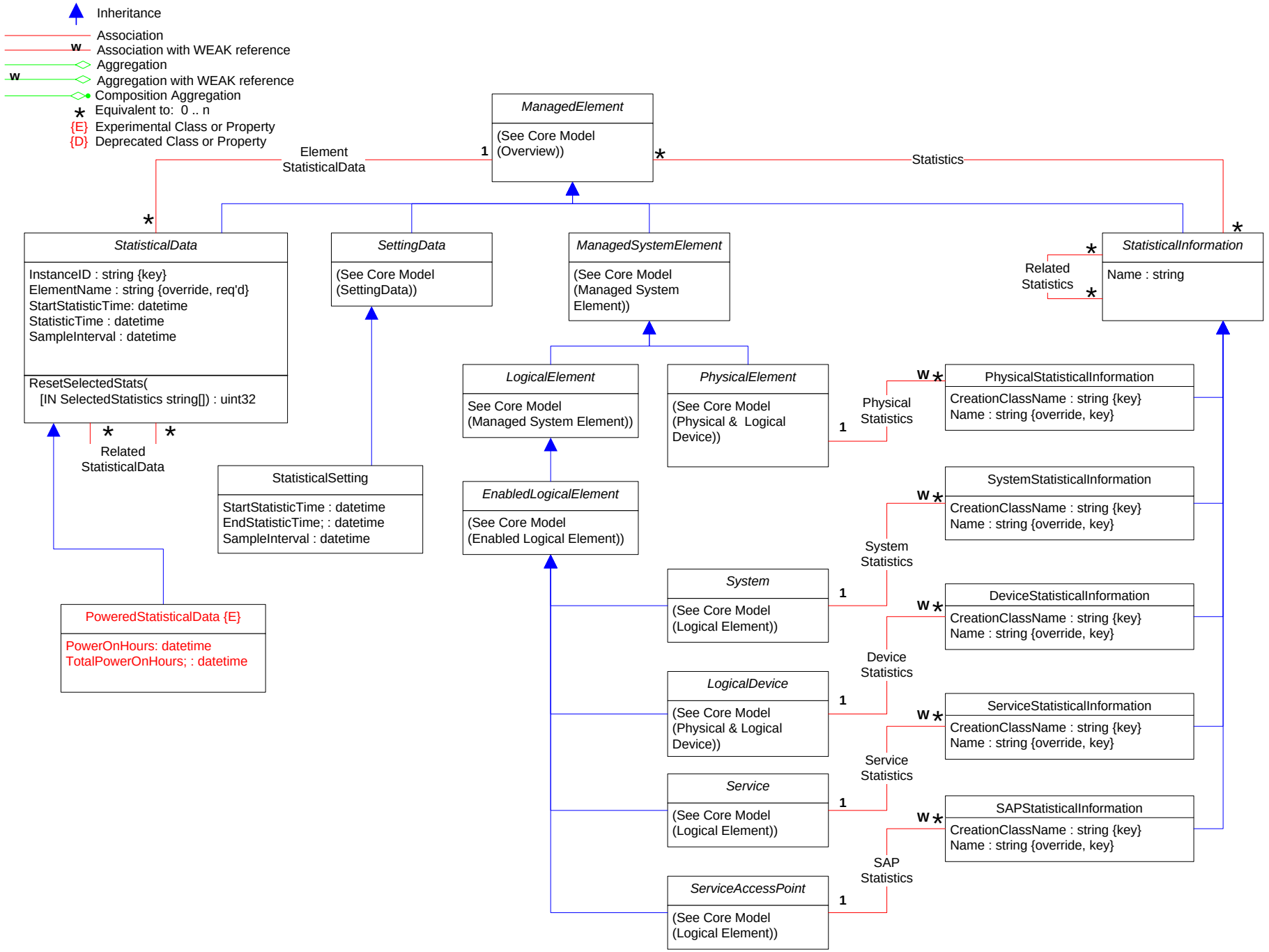
Page 7 : Product, FRU, & Software Identity



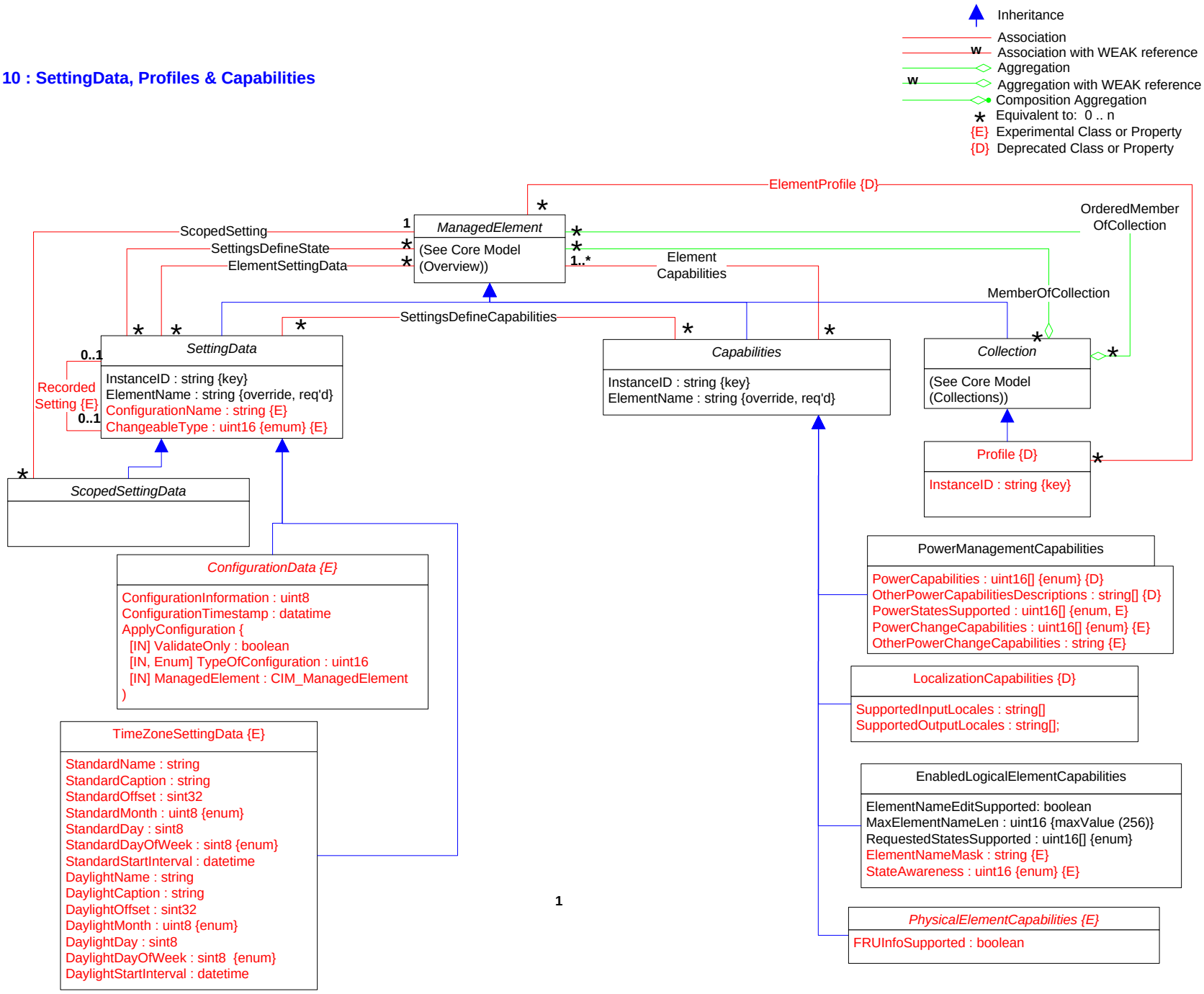
Page 8 – SoftwareIdentity & Management



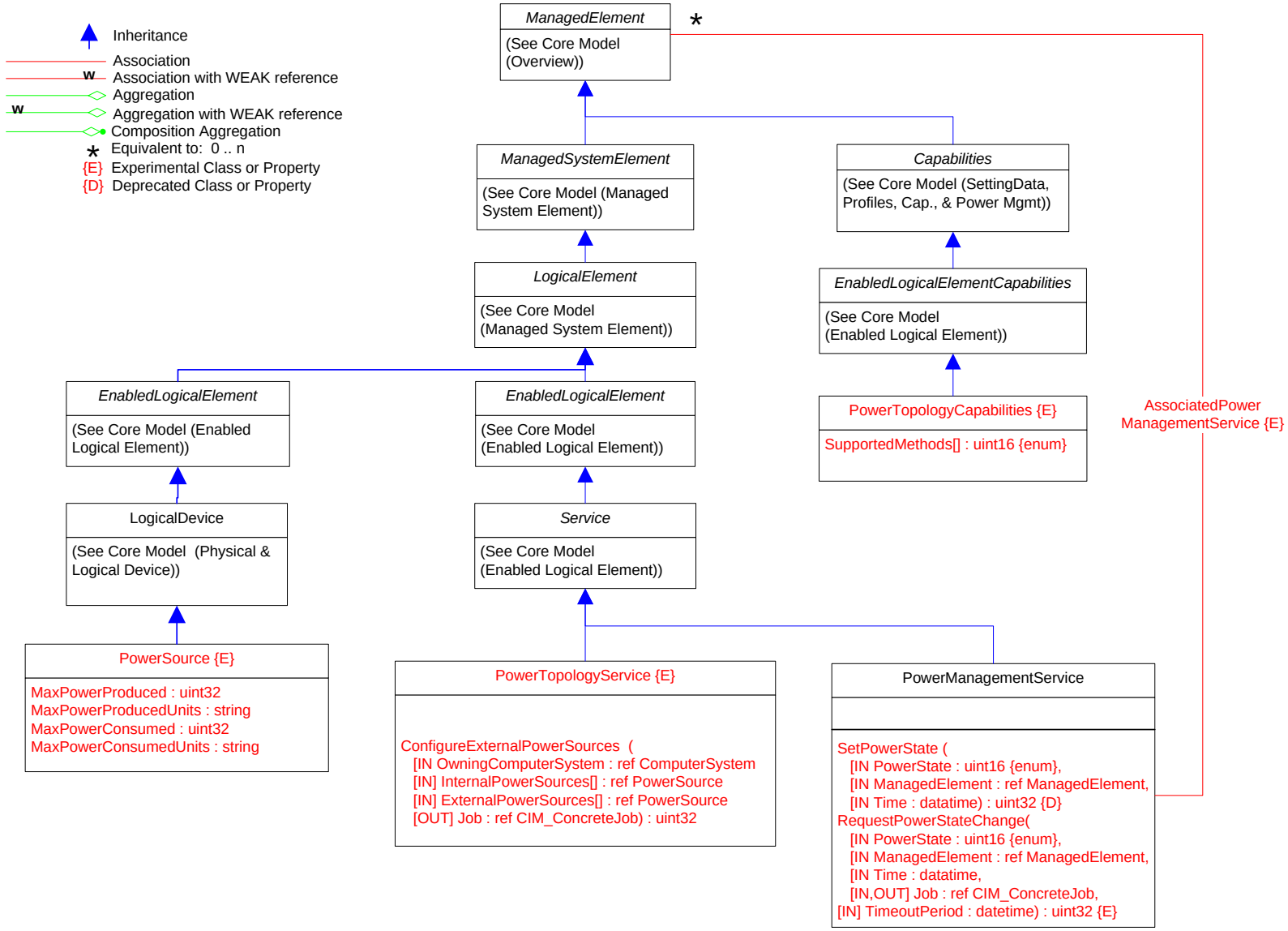
Page 9 : Statistics



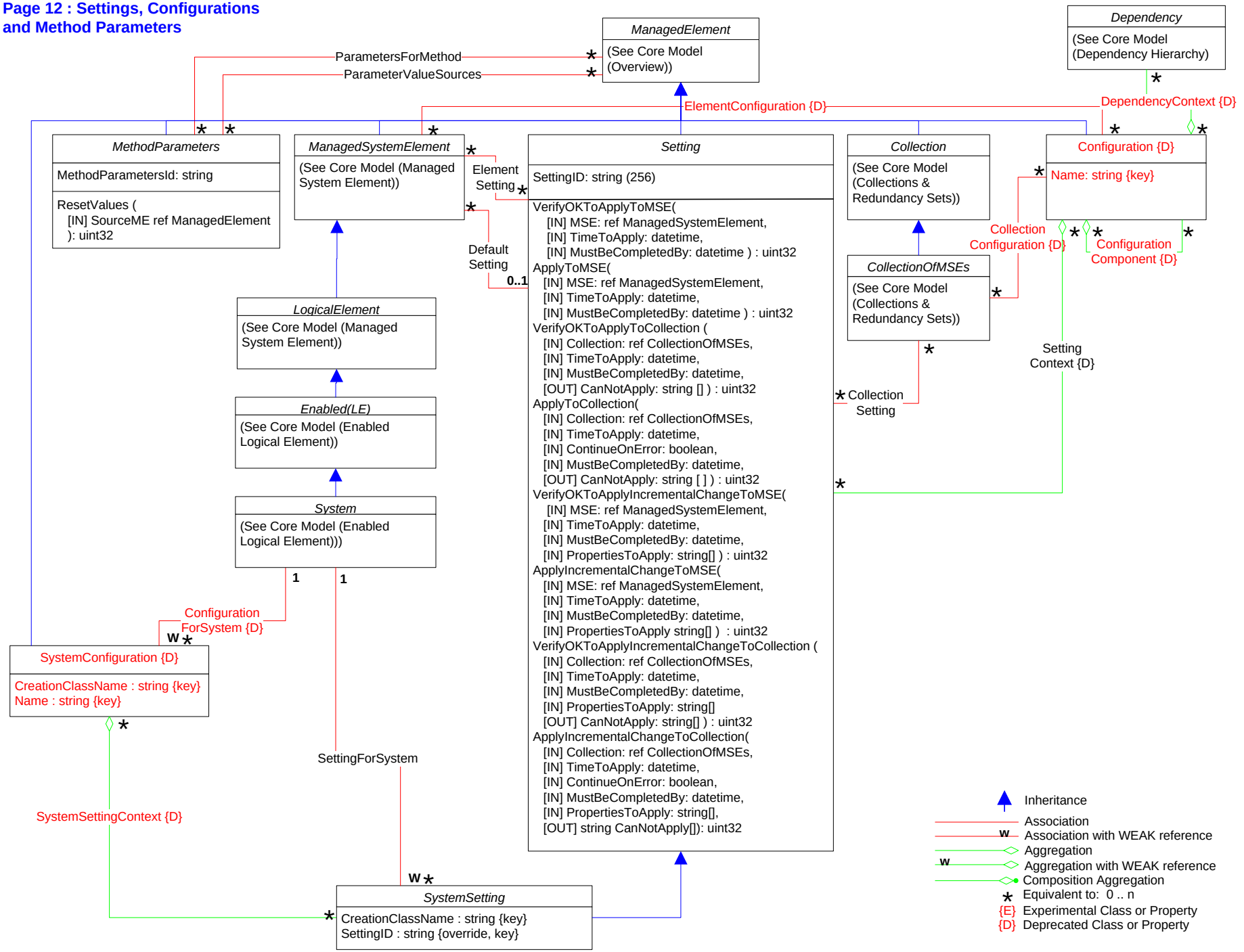
Page 10 : SettingData, Profiles & Capabilities



Page 11 : Power

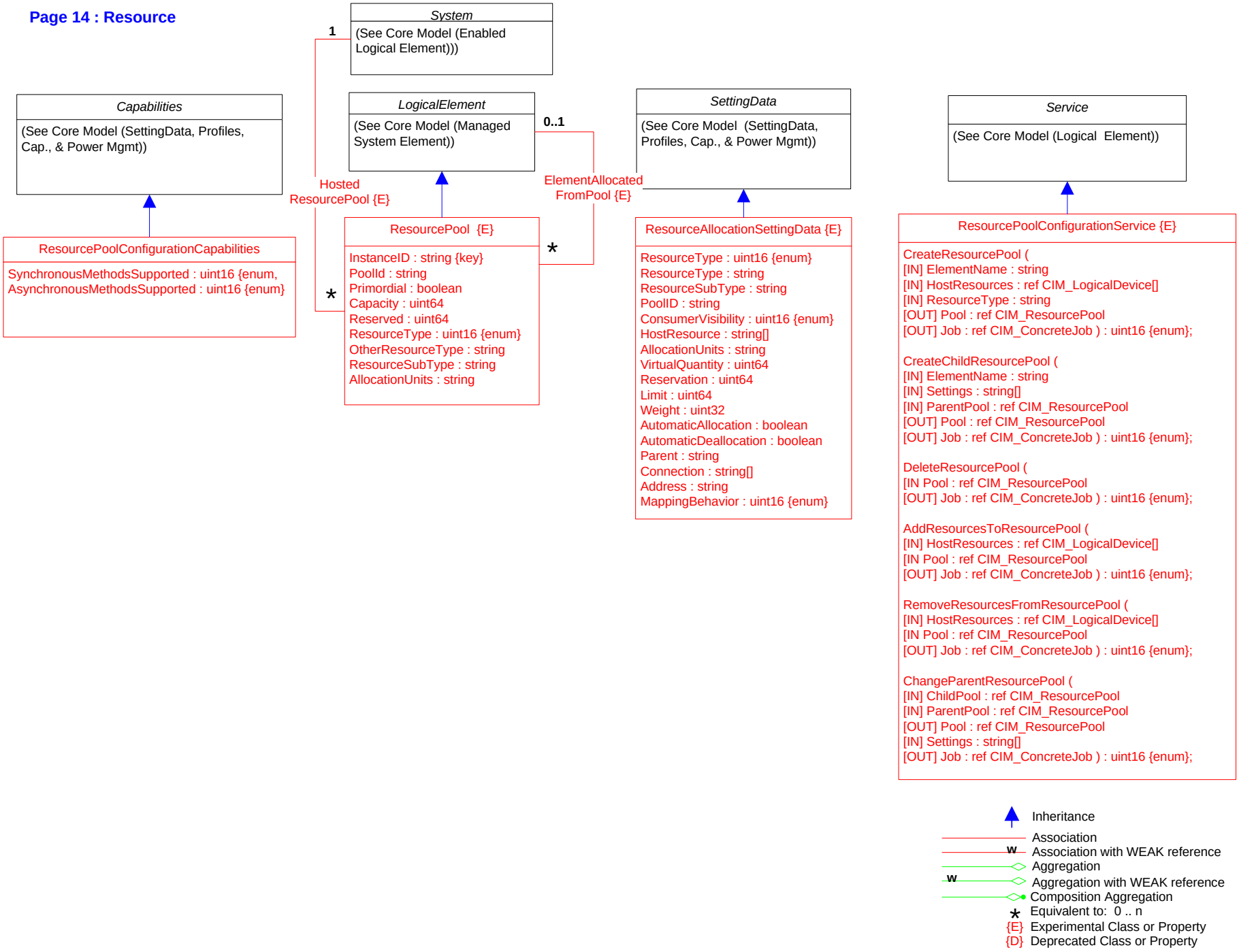


Page 12 : Settings, Configurations and Method Parameters

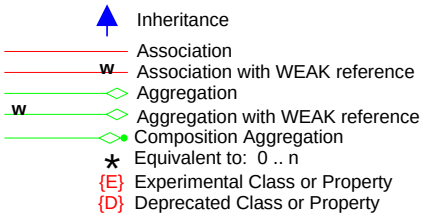


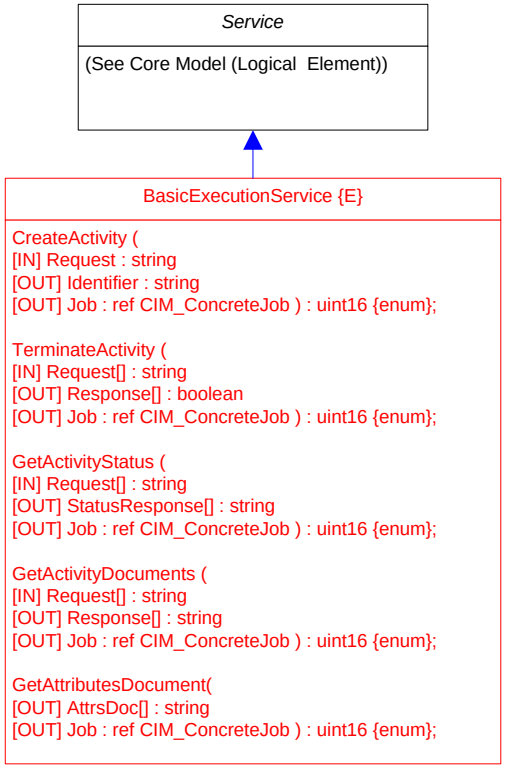
Page 13 : Virtualization

Page 14 : Resource



Page 15 : Grid


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


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};

Page 16 : Association Hierarchy

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, *}
Characteristics[] : uint16 {enum} {E}

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, *}
Descripton: 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, *}

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}

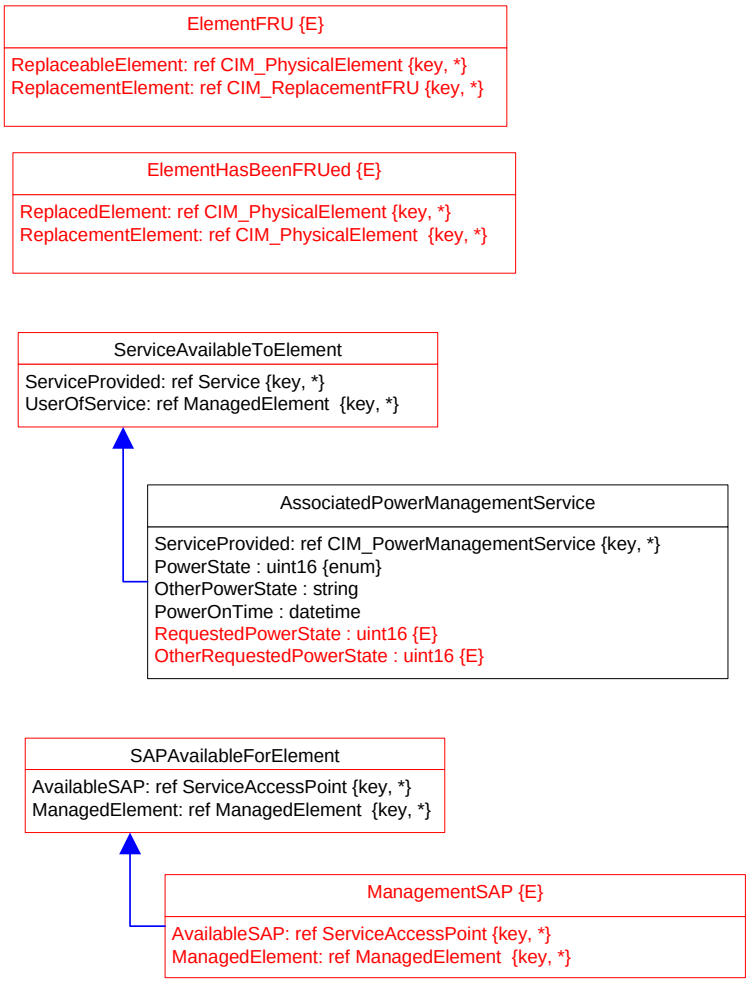
ServiceAffectsElement
AffectedElement: ref ManagedElement {key, *}
AffectingElement: ref Service {key, *}
ElementEffects: uint16[] {enum}
OtherElementEffectsDescriptions: string[]
AssignedSequence : uint16 {E}

ElementSettingData {E}
ManagedElement: ref ManagedElement {key, *}
SettingData: ref SettingData {key, *}

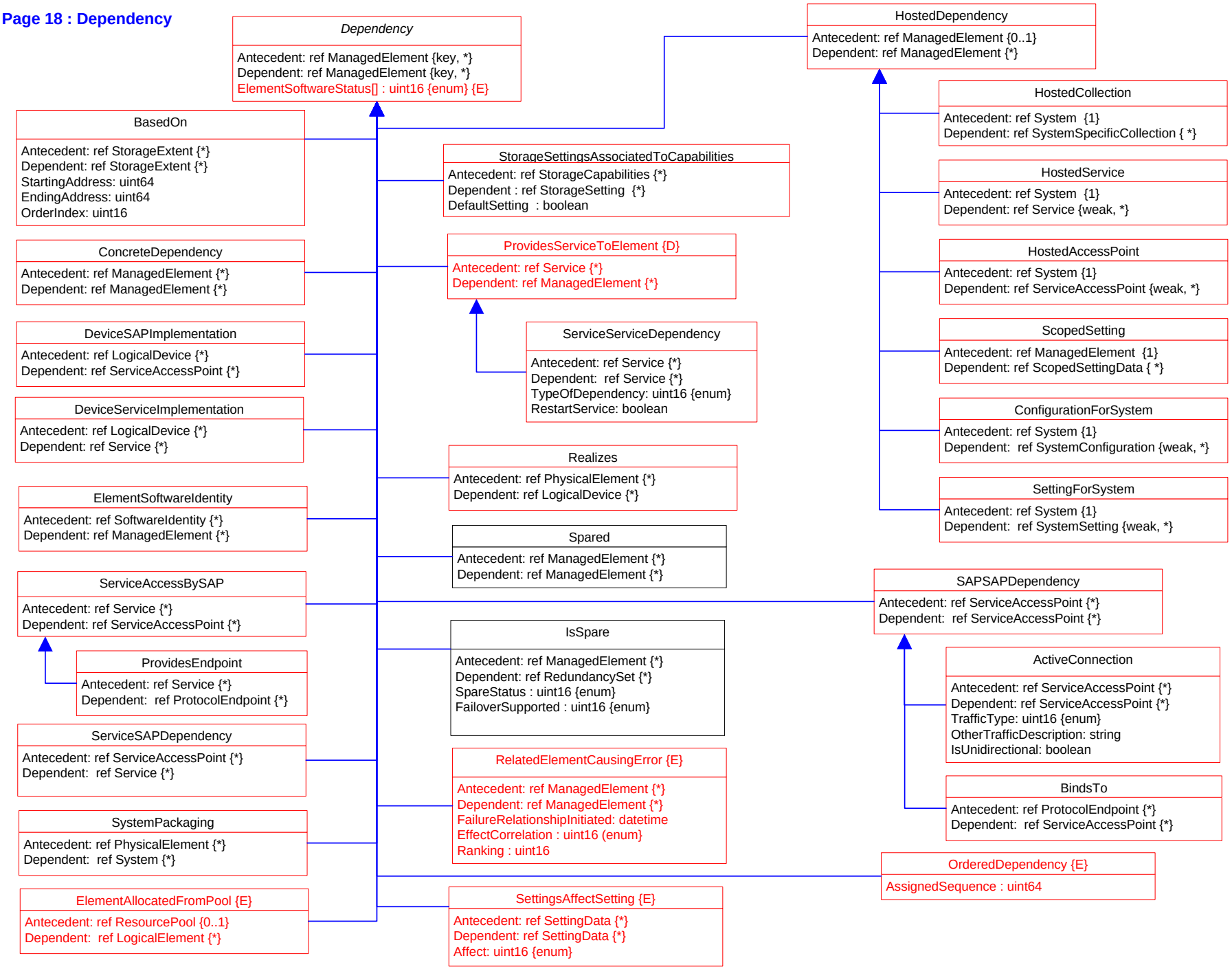
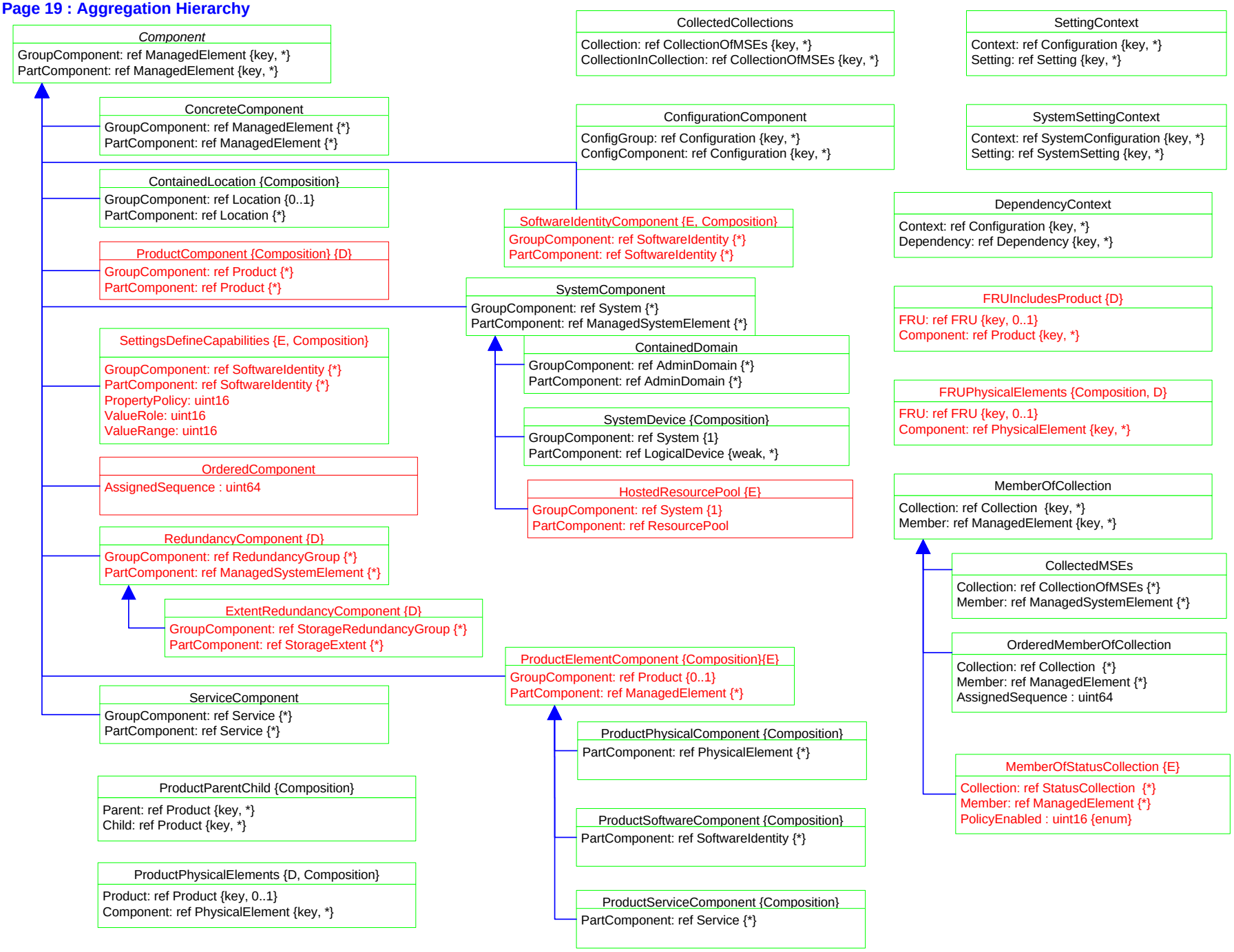
Synchronized
SystemElement: ref ManagedElement {key, *}
SyncedElement: ref ManagedElement {key, *}
WhenSynced: datetime
SyncMaintained: boolean

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

Page 17 : Association Hierarchy



Page 18 : Dependency



Page 19 : Aggregation Hierarchy