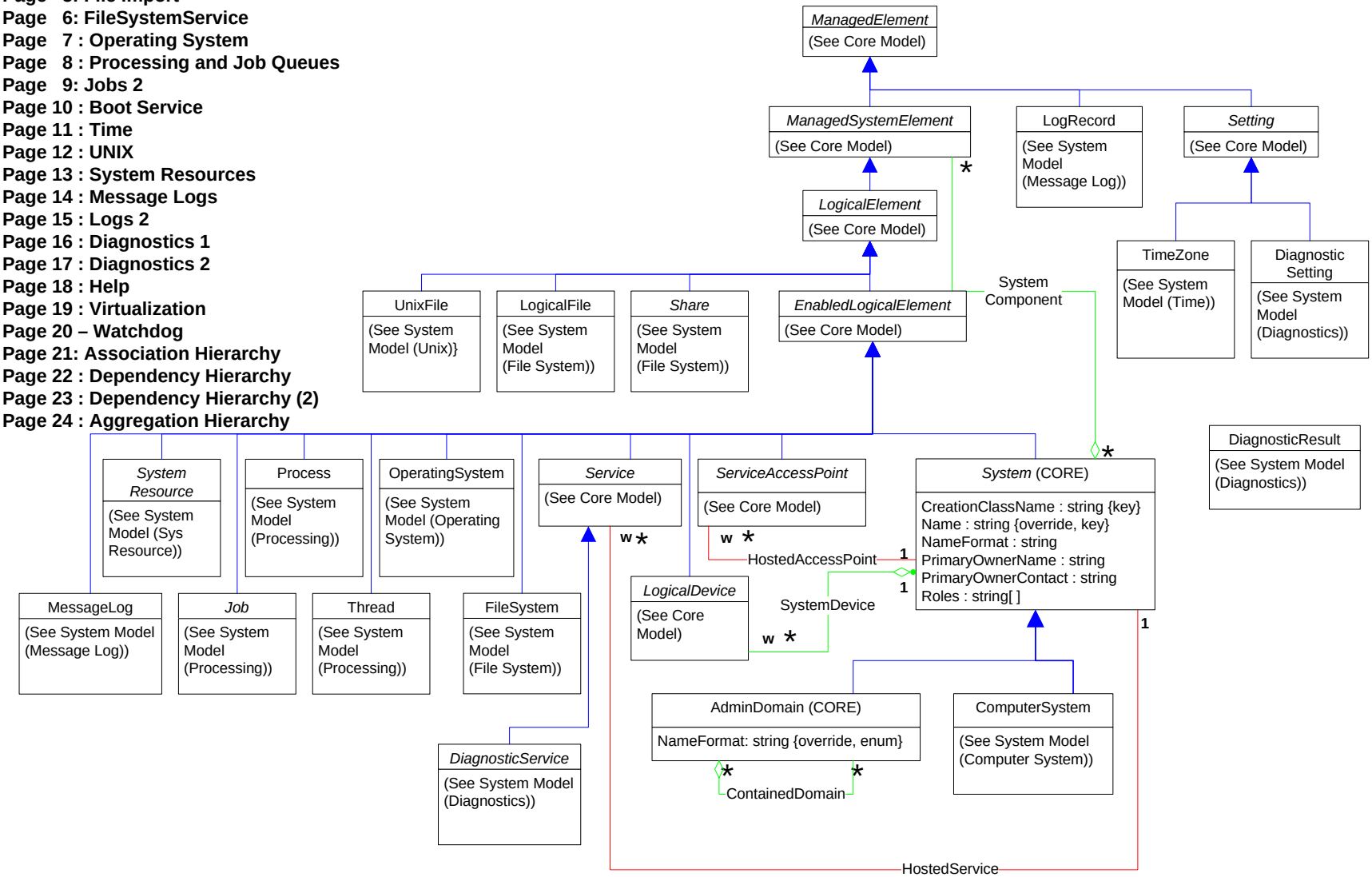
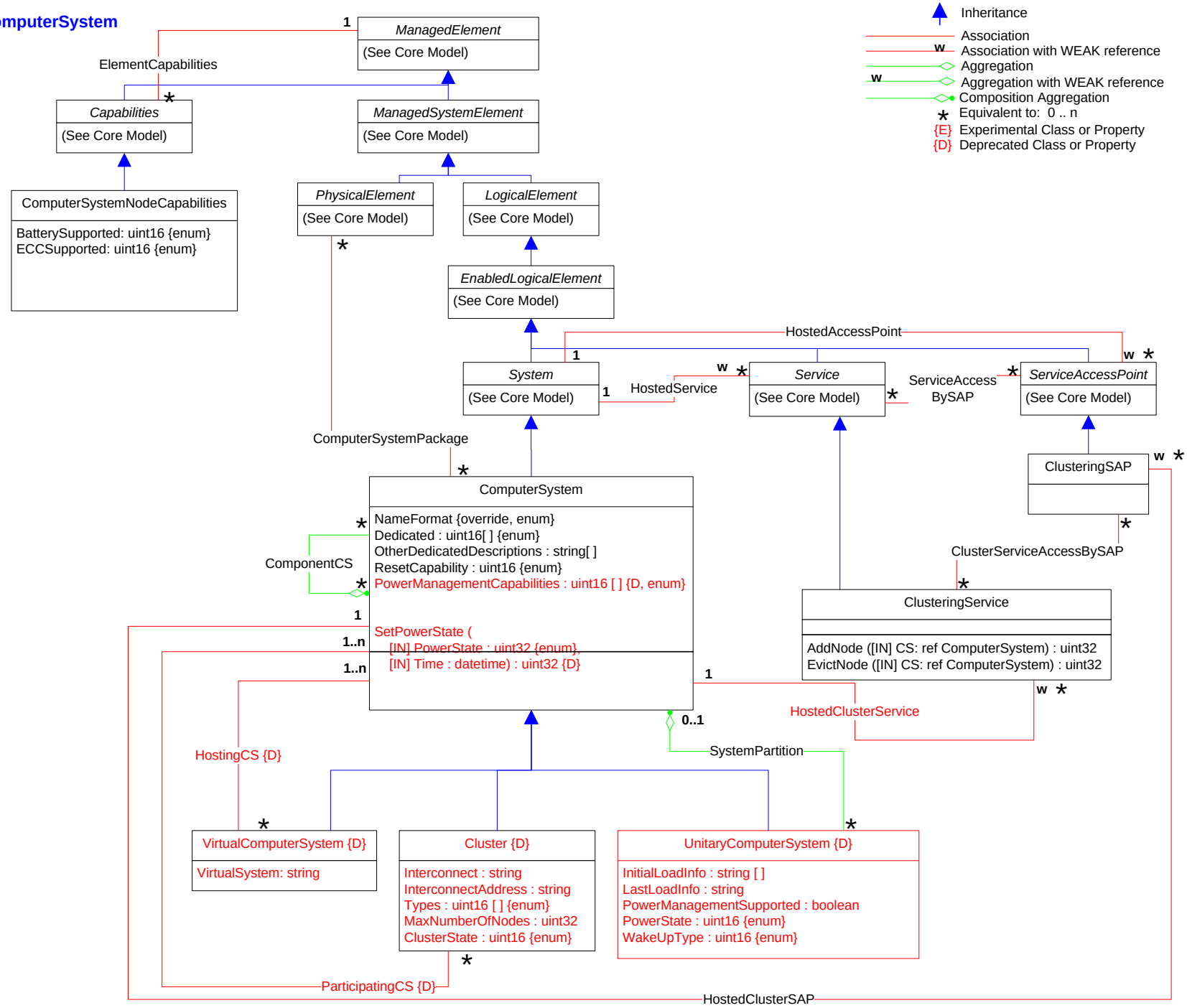
Title : System Specification V2.16
Filename : CIM_System.vsd
Author : DMTF Core Schema WG
Date : 06 August 2007

Page 1 : Overview
Page 2 : Computer System
Page 3 : Local File Systems
Page 4: Remote FS/File Export
Page 5: File Import
Page 6: FileSystemService
Page 7 : Operating System
Page 8 : Processing and Job Queues
Page 9: Jobs 2
Page 10 : Boot Service
Page 11 : Time
Page 12 : UNIX
Page 13 : System Resources
Page 14 : Message Logs
Page 15 : Logs 2
Page 16 : Diagnostics 1
Page 17 : Diagnostics 2
Page 18 : Help
Page 19 : Virtualization
Page 20 – Watchdog
Page 21: Association Hierarchy
Page 22 : Dependency Hierarchy
Page 23 : Dependency Hierarchy (2)
Page 24 : Aggregation Hierarchy

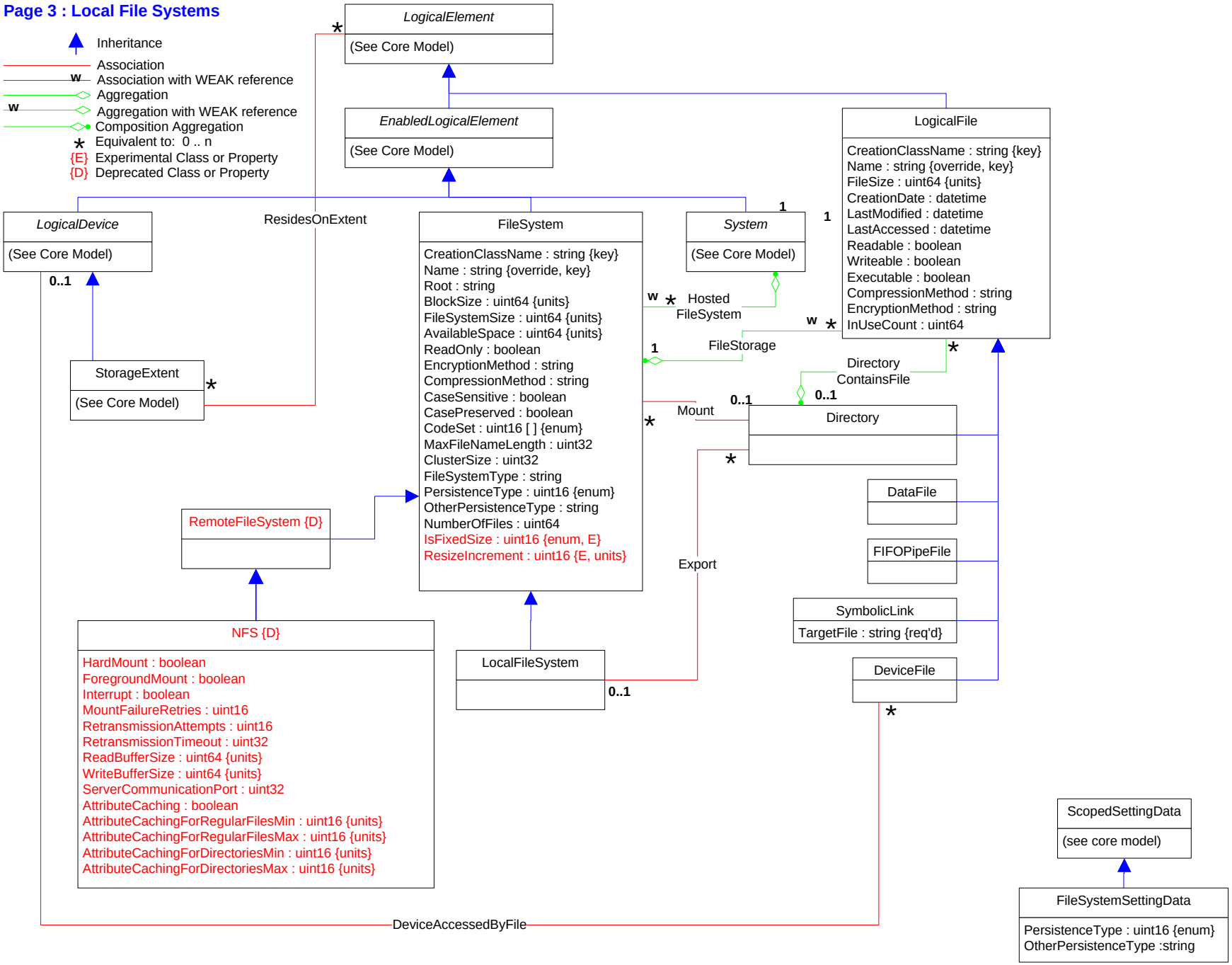
Inheritance
Association
w Association with WEAK reference
Aggregation
w Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property



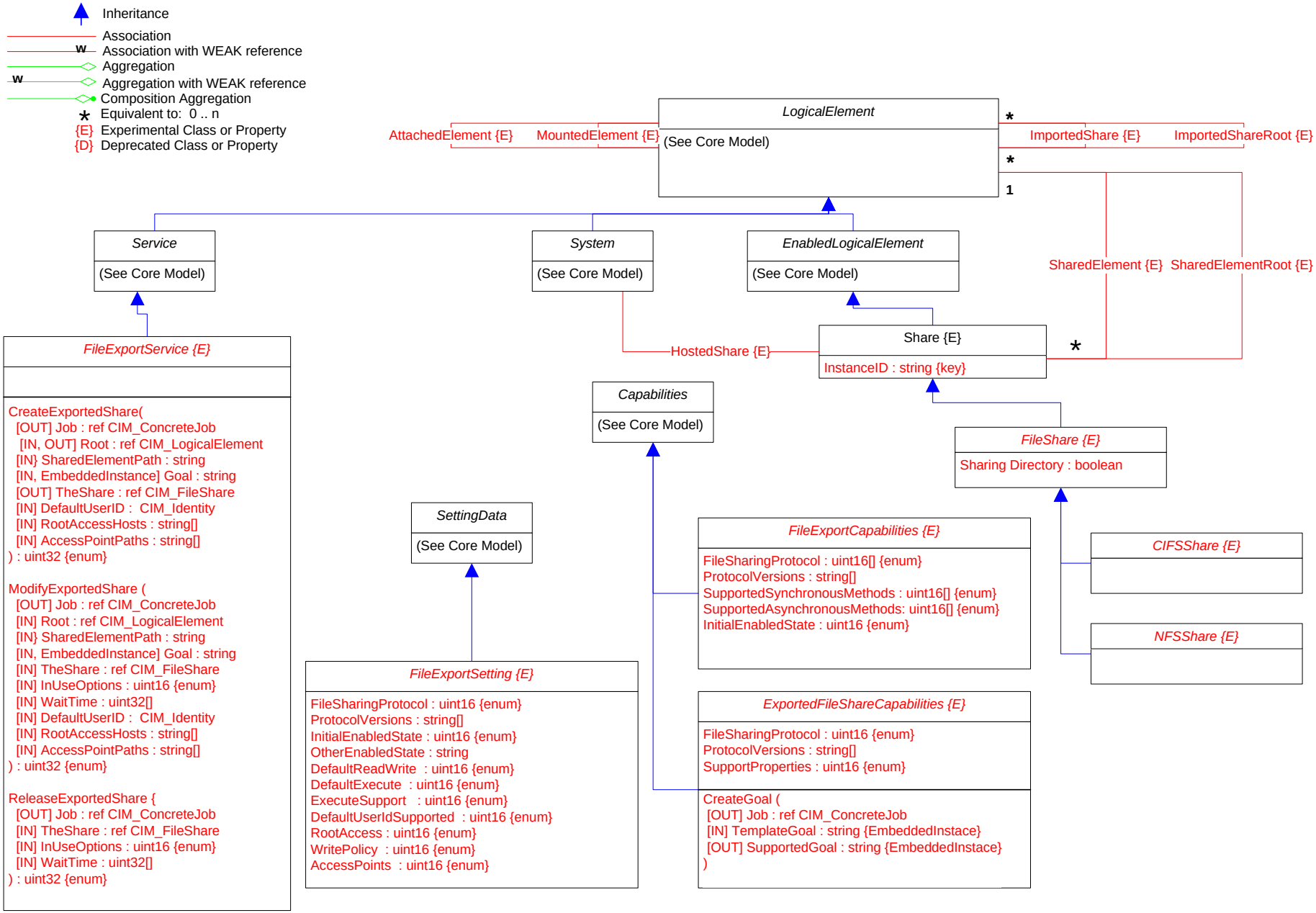
Page 2 : ComputerSystem



Page 3 : Local File Systems



Page 4 : Remote File Systems / File Export Service



Page 5 : File Import Service

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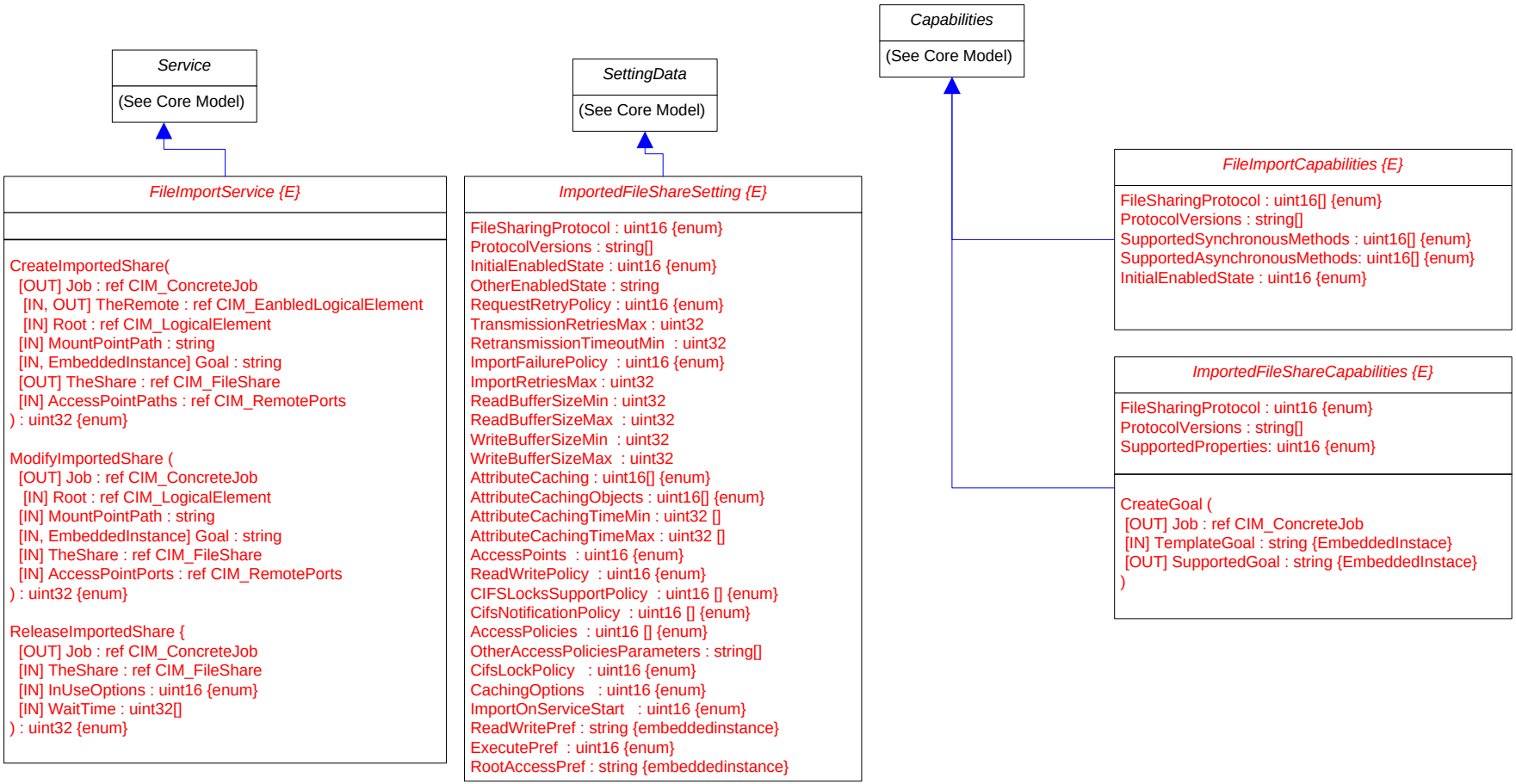
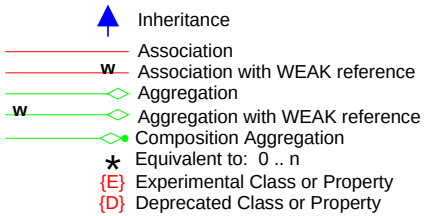
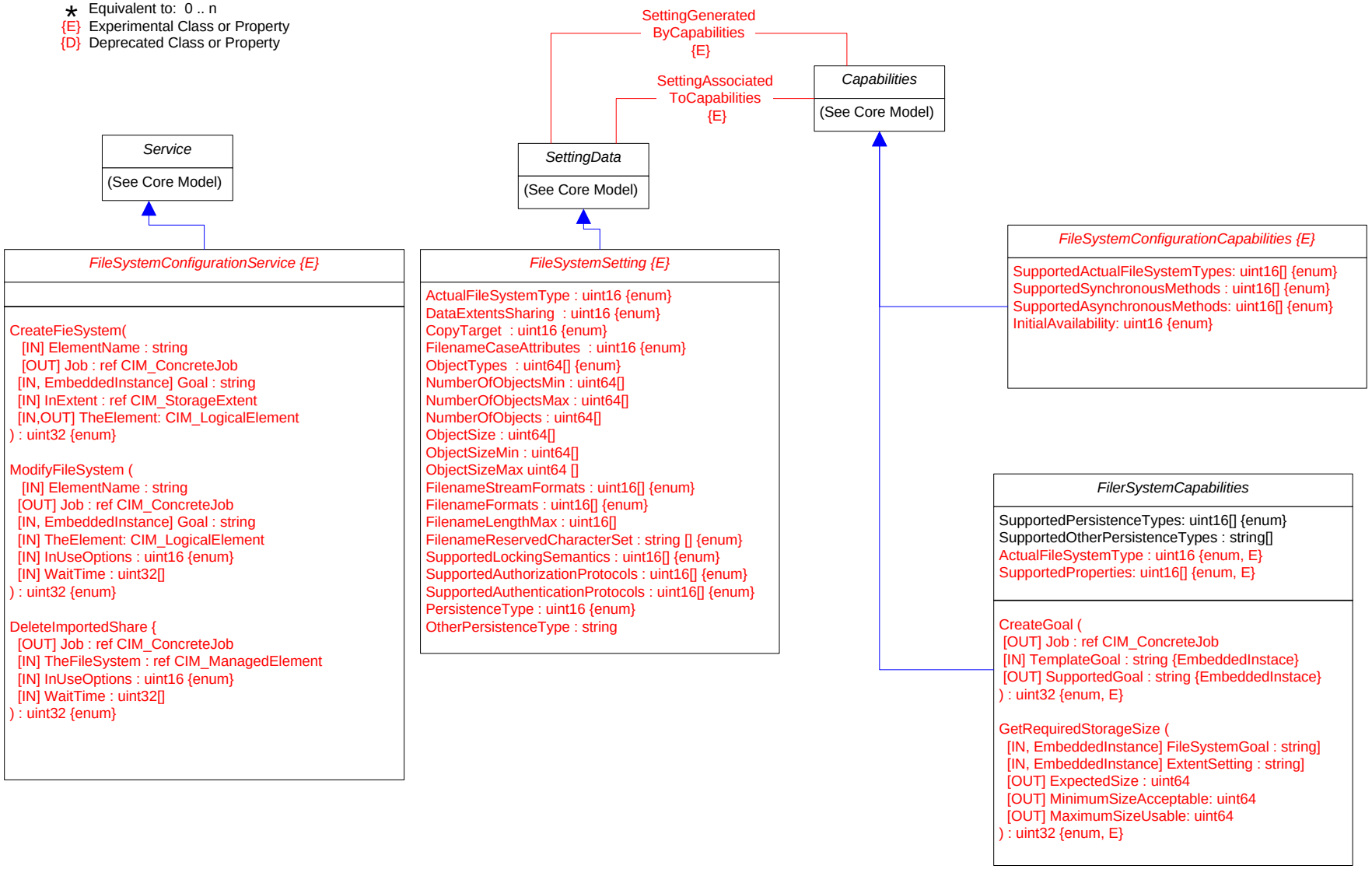
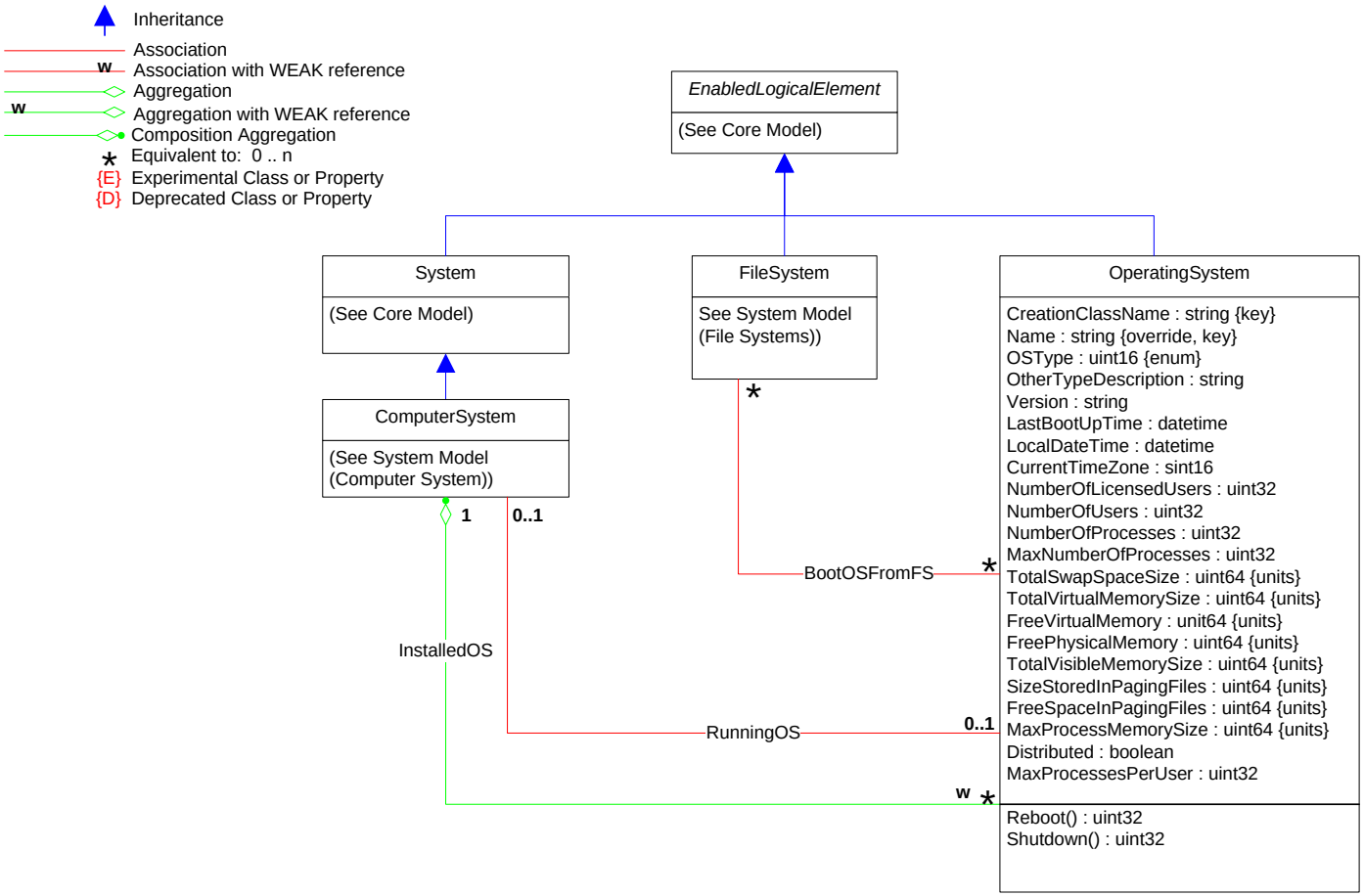


Page 6 : File Import Service

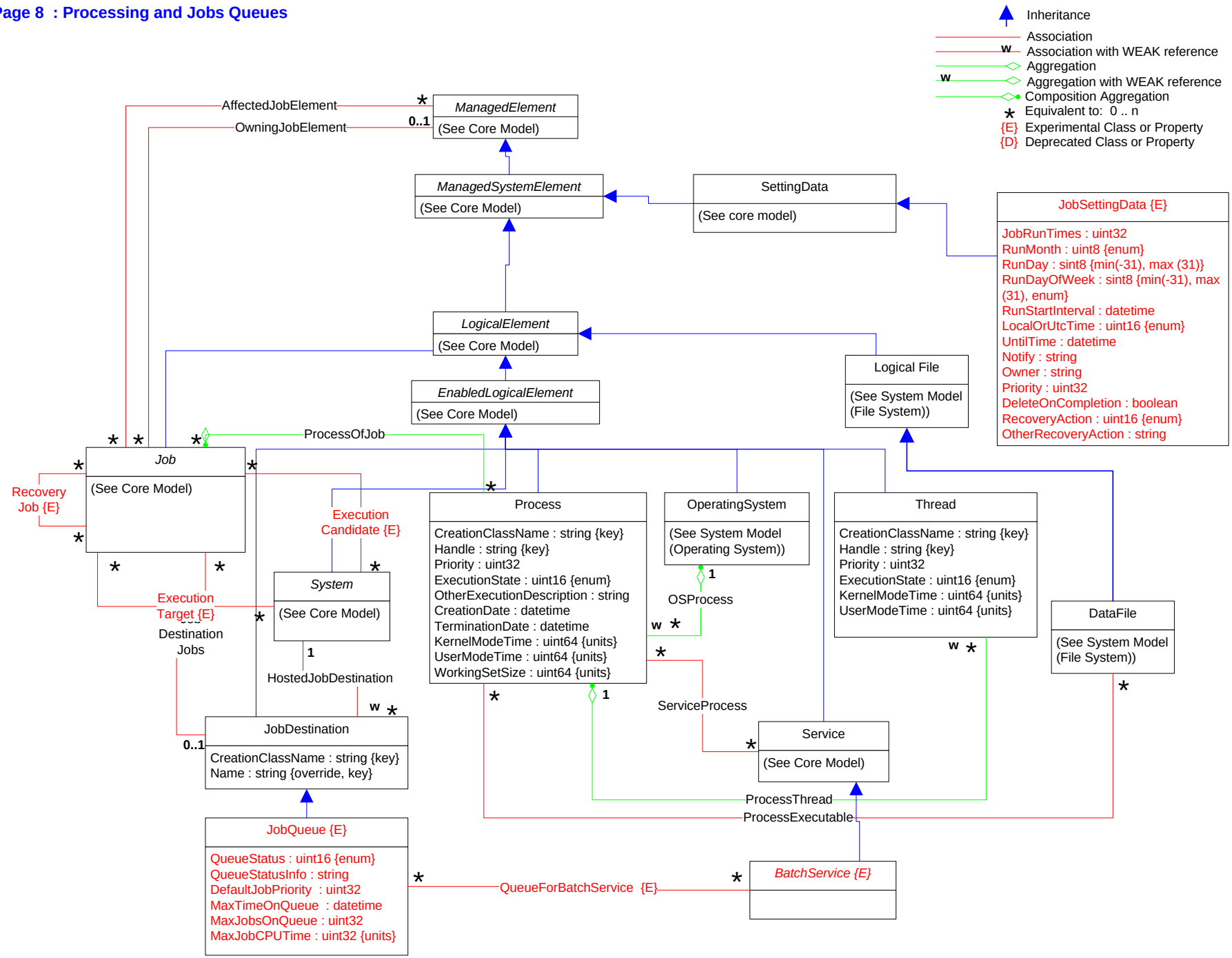




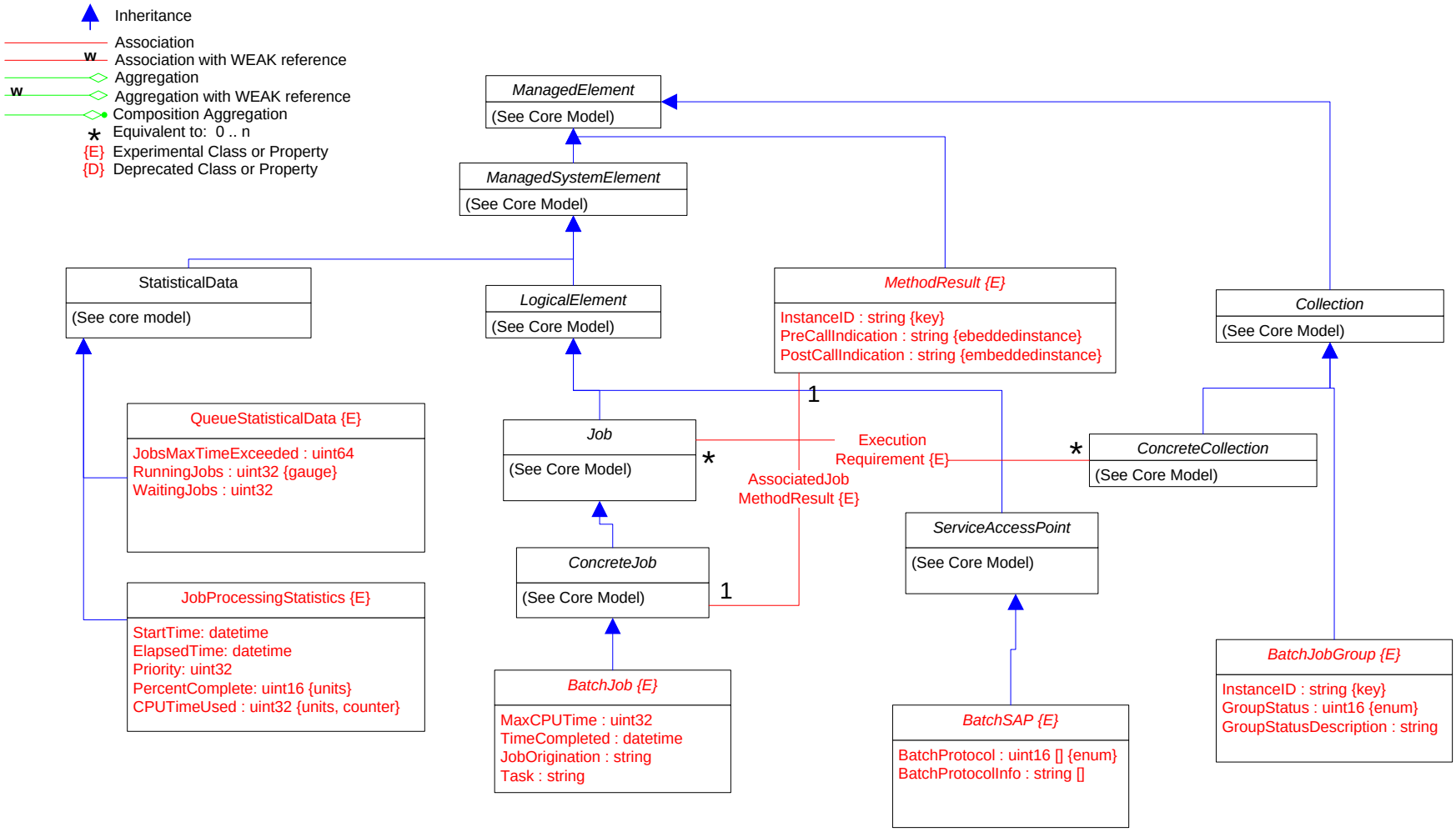
Page 7 : Operating System



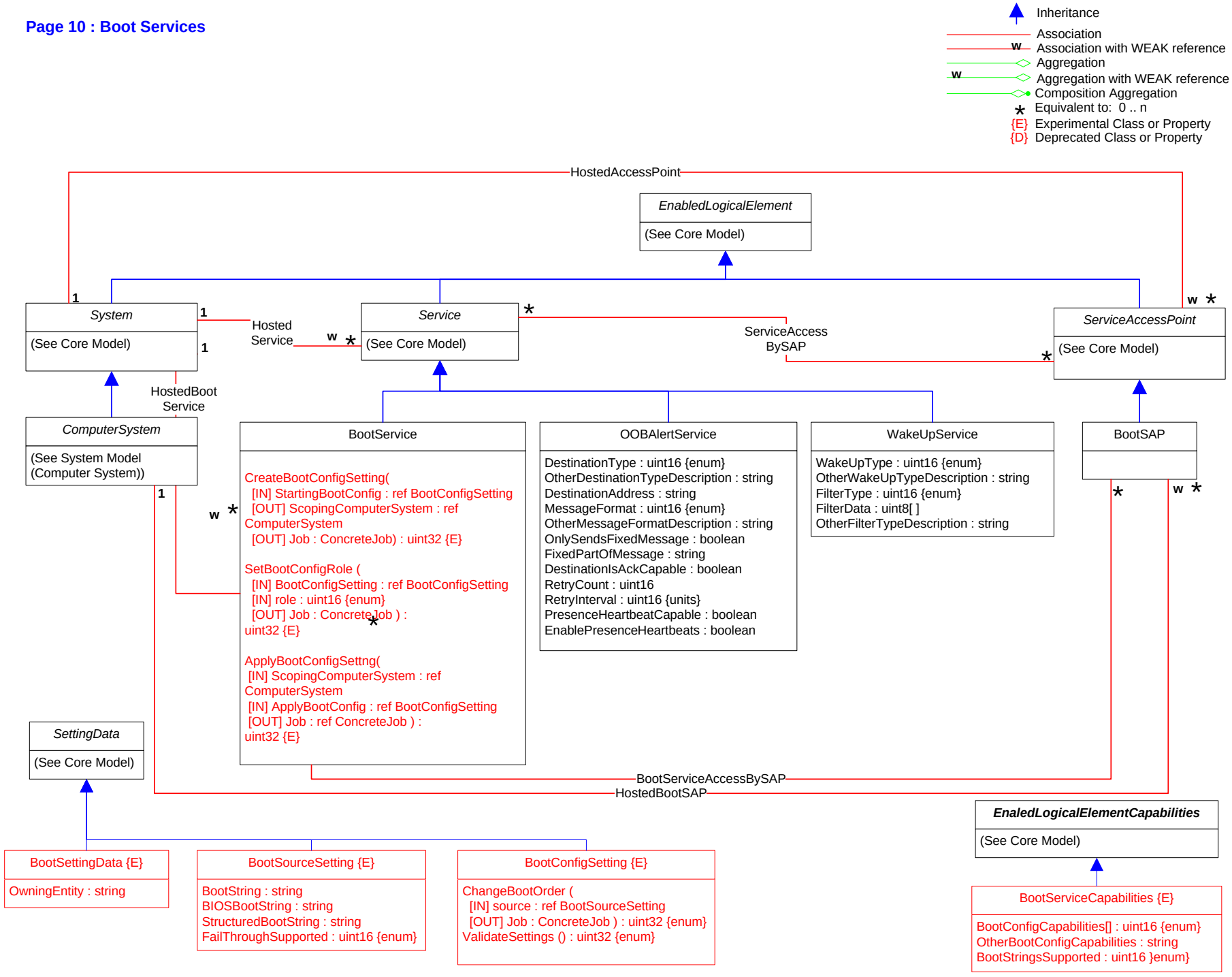
Page 8 : Processing and Jobs Queues



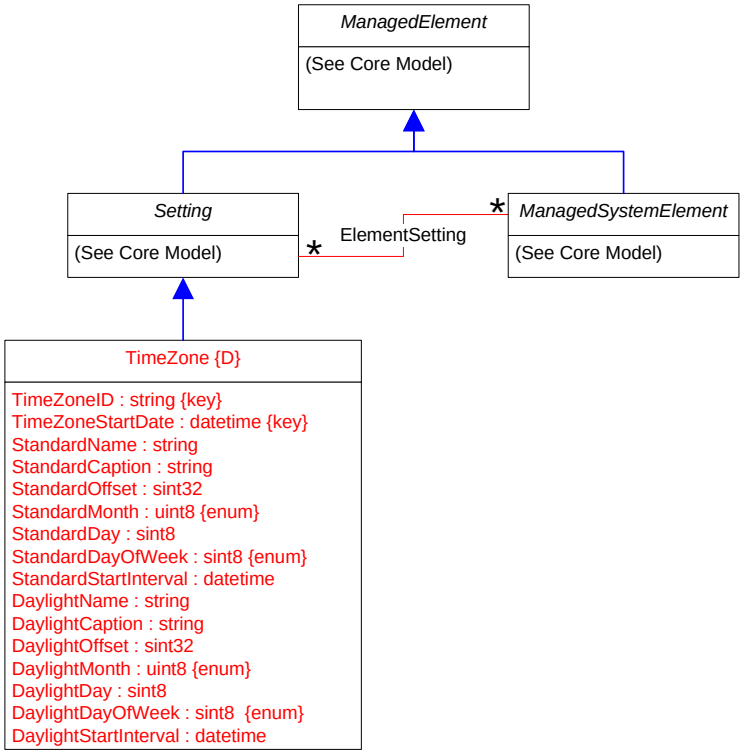
Page 9 : Jobs 2

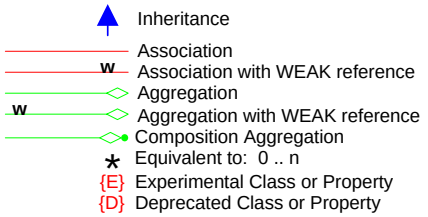

Inheritance
Association
w Association with WEAK reference
Aggregation
w Aggregation with WEAK reference
Composition Aggregation
* Equivalent to: 0 .. n
{E} Experimental Class or Property
{D} Deprecated Class or Property
ManagedElement
(See Core Model)
ManagedSystemElement
(See Core Model)
StatisticalData
(See core model)
LogicalElement
(See Core Model)
MethodResult {E}
InstanceID : string {key}
PreCallIndication : string {ebeddedinstance}
PostCallIndication : string {embeddedinstance}
Collection
(See Core Model)
QueueStatisticalData {E}
JobsMaxTimeExceeded : uint64
RunningJobs : uint32 {gauge}
WaitingJobs : uint32
Job
(See Core Model)
1
*
Execution Requirement {E}
AssociatedJob MethodResult {E}
*
ConcreteCollection
(See Core Model)
ServiceAccessPoint
(See Core Model)
ConcreteJob
(See Core Model)
1
JobProcessingStatistics {E}
StartTime: datetime
ElapsedTime: datetime
Priority: uint32
PercentComplete: uint16 {units}
CPUTimeUsed : uint32 {units, counter}
BatchJob {E}
MaxCPUTime : uint32
TimeCompleted : datetime
JobOrigination : string
Task : string
BatchSAP {E}
BatchProtocol : uint16 [] {enum}
BatchProtocolInfo : string []
BatchJobGroup {E}
InstanceID : string {key}
GroupStatus : uint16 {enum}
GroupStatusDescription : string

Page 10 : Boot Services



Page 11 : Time


ManagedElement
(See Core Model)
Setting
(See Core Model)
*
ElementSetting
*
ManagedSystemElement
(See Core Model)
TimeZone {D}
TimeZoneID : string {key}
TimeZoneStartDate : datetime {key}
StandardName : string
StandardCaption : string
StandardOffset : sint32
StandardMonth : uint8 {enum}
StandardDay : sint8
StandardDayOfWeek : sint8 {enum}
StandardStartInterval : datetime
DaylightName : string
DaylightCaption : string
DaylightOffset : sint32
DaylightMonth : uint8 {enum}
DaylightDay : sint8
DaylightDayOfWeek : sint8 {enum}
DaylightStartInterval : datetime


Inheritance
Association
w
Association with WEAK reference
Aggregation
w
Aggregation with WEAK reference
Composition Aggregation
*
Equivalent to: 0 .. n
{E} Experimental Class or Property
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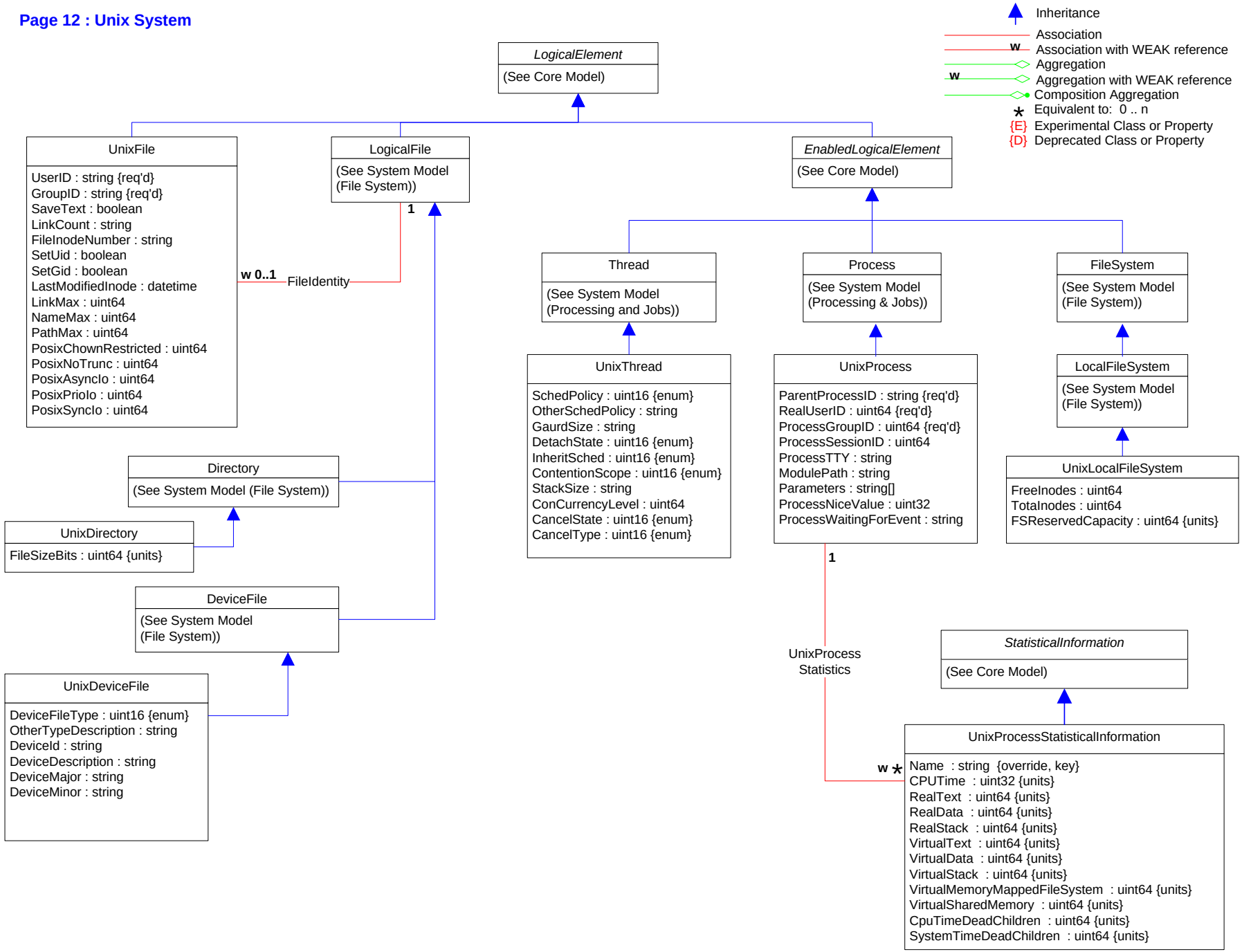
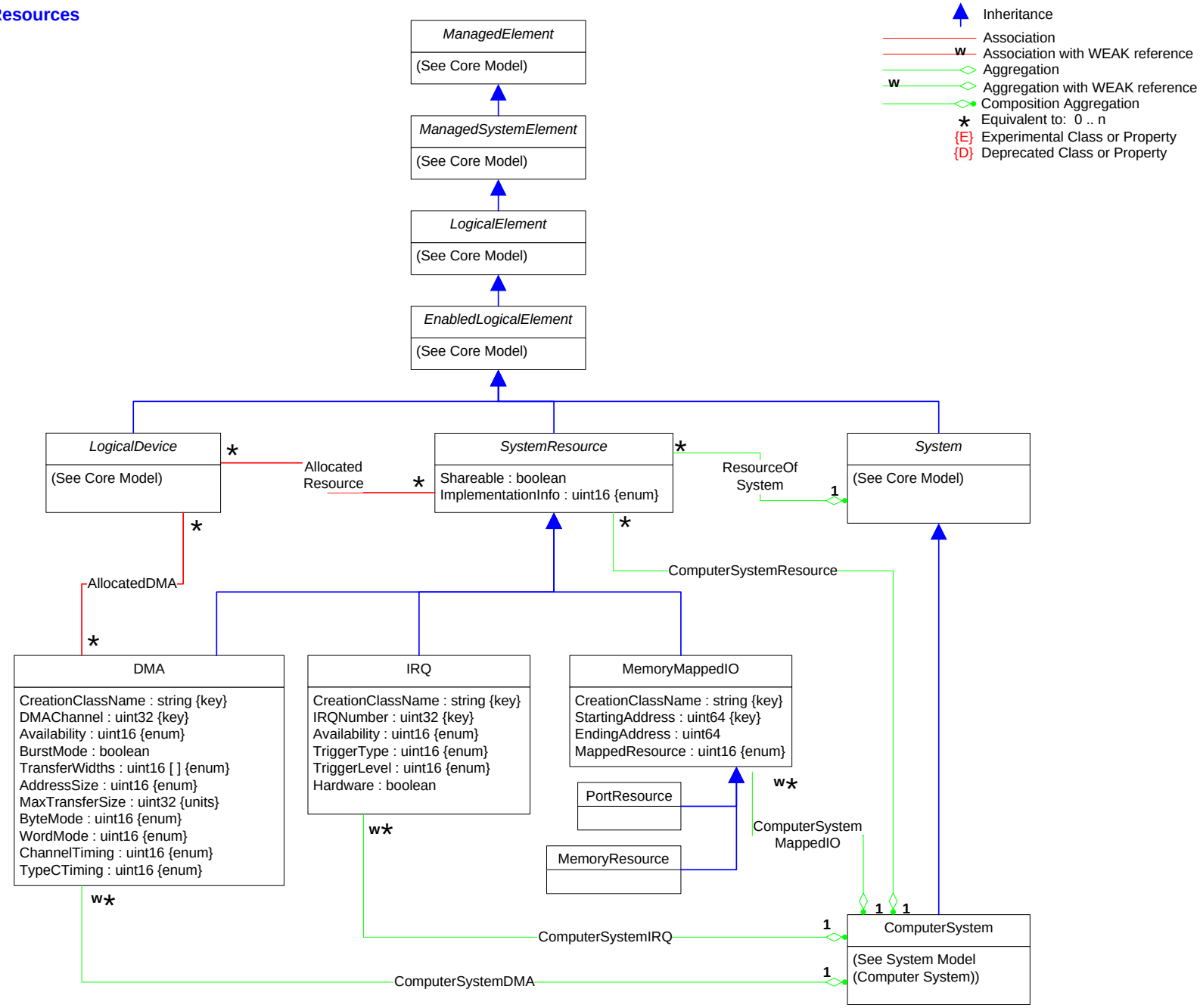
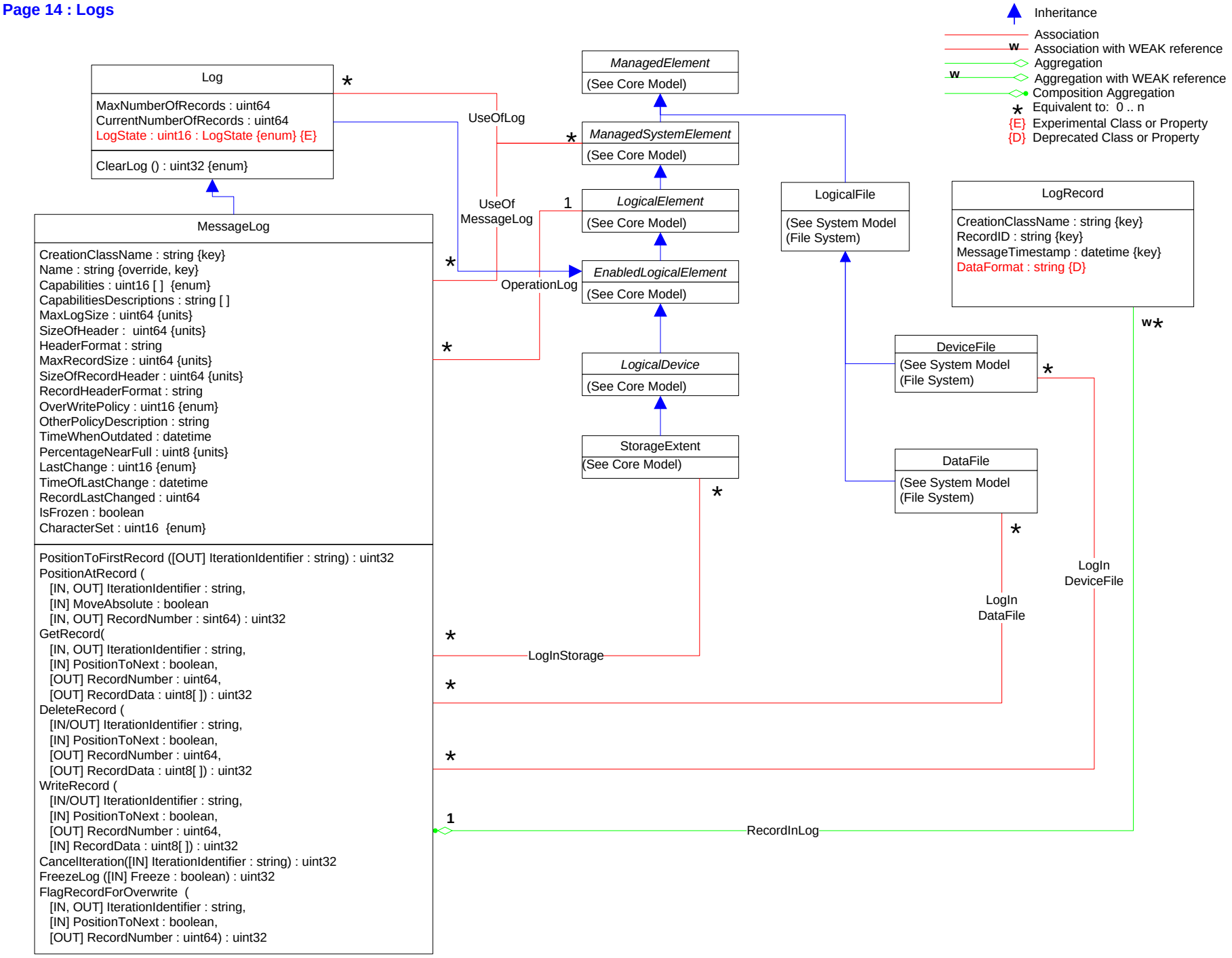
Page 12 : Unix System



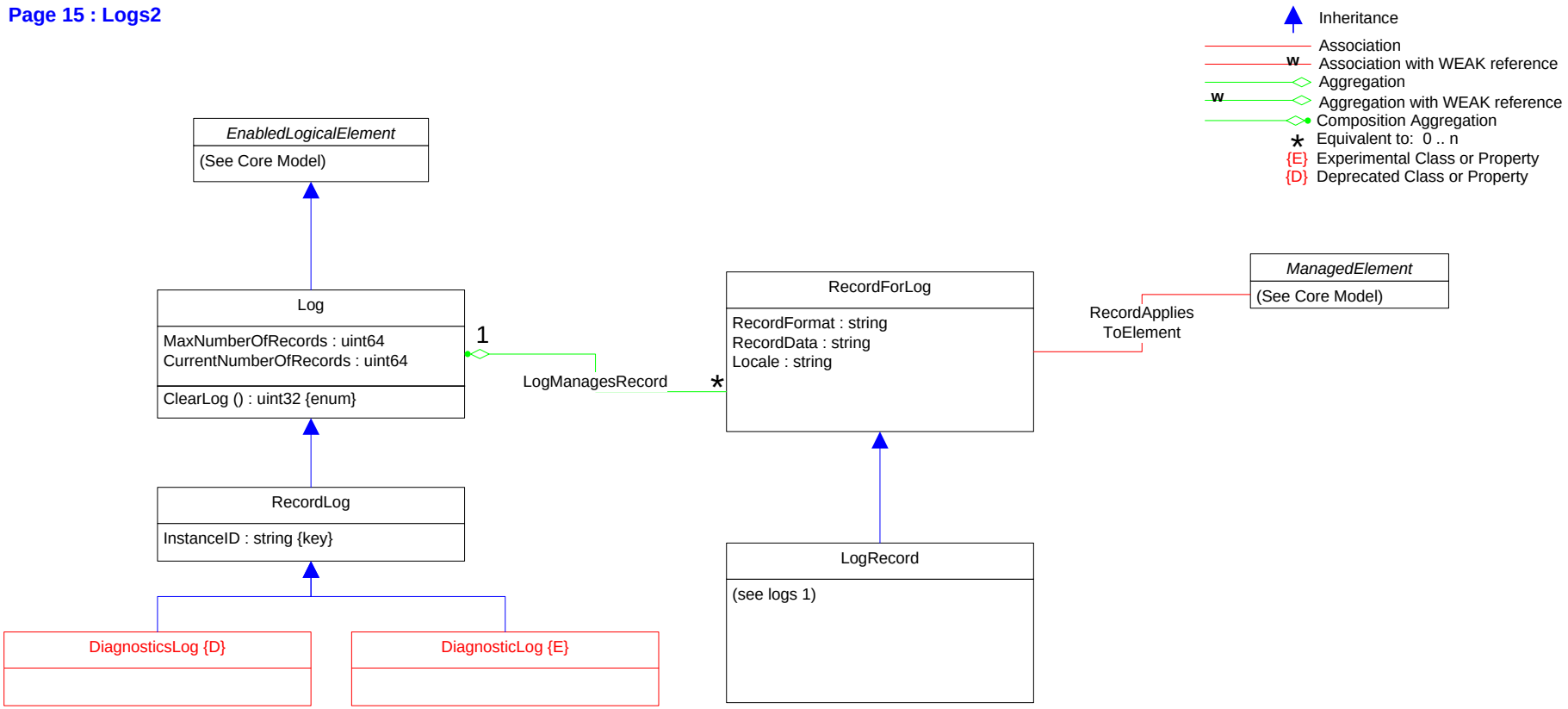
Page 13 : System Resources



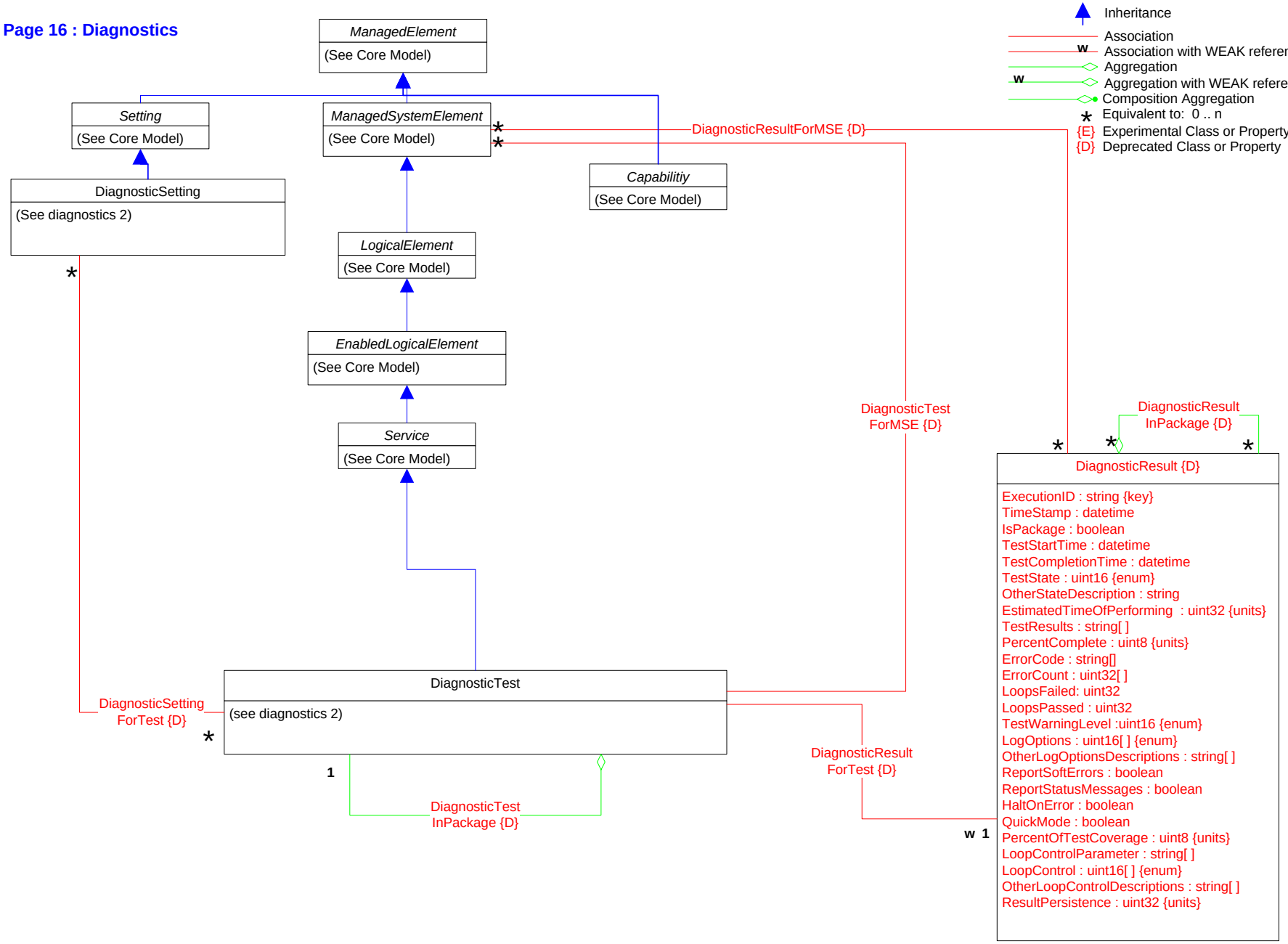
Page 14 : Logs


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
Log
MaxNumberOfRecords : uint64
CurrentNumberOfRecords : uint64
LogState : uint16 : LogState {enum} {E}
ClearLog () : uint32 {enum}
MessageLog
CreationClassName : string {key}
Name : string {override, key}
Capabilities : uint16 [ ] {enum}
CapabilitiesDescriptions : string [ ]
MaxLogSize : uint64 {units}
SizeOfHeader : uint64 {units}
HeaderFormat : string
MaxRecordSize : uint64 {units}
SizeOfRecordHeader : uint64 {units}
RecordHeaderFormat : string
OverWritePolicy : uint16 {enum}
OtherPolicyDescription : string
TimeWhenOutdated : datetime
PercentageNearFull : uint8 {units}
LastChange : uint16 {enum}
TimeOfLastChange : datetime
RecordLastChanged : uint64
IsFrozen : boolean
CharacterSet : uint16 {enum}
PositionToFirstRecord ([OUT] IterationIdentifier : string) : uint32
PositionAtRecord (
[IN, OUT] IterationIdentifier : string,
[IN] MoveAbsolute : boolean
[IN, OUT] RecordNumber : sint64) : uint32
GetRecord(
[IN, OUT] IterationIdentifier : string,
[IN] PositionToNext : boolean,
[OUT] RecordNumber : uint64,
[OUT] RecordData : uint8[ ]) : uint32
DeleteRecord (
[IN/OUT] IterationIdentifier : string,
[IN] PositionToNext : boolean,
[OUT] RecordNumber : uint64,
[OUT] RecordData : uint8[ ]) : uint32
WriteRecord (
[IN/OUT] IterationIdentifier : string,
[IN] PositionToNext : boolean,
[OUT] RecordNumber : uint64,
[IN] RecordData : uint8[ ]) : uint32
CancelIteration([IN] IterationIdentifier : string) : uint32
FreezeLog ([IN] Freeze : boolean) : uint32
FlagRecordForOverwrite (
[IN, OUT] IterationIdentifier : string,
[IN] PositionToNext : boolean,
[OUT] RecordNumber : uint64) : uint32
ManagedElement
(See Core Model)
ManagedSystemElement
(See Core Model)
LogicalElement
(See Core Model)
EnabledLogicalElement
(See Core Model)
LogicalDevice
(See Core Model)
StorageExtent
(See Core Model)
LogicalFile
(See System Model
(File System)
LogRecord
CreationClassName : string {key}
RecordID : string {key}
MessageTimestamp : datetime {key}
DataFormat : string {D}
DeviceFile
(See System Model
(File System)
DataFile
(See System Model
(File System)
UseOfLog
UseOf
MessageLog
OperationLog
LogInStorage
LogIn
DeviceFile
LogIn
DataFile
RecordInLog
1
*
w*

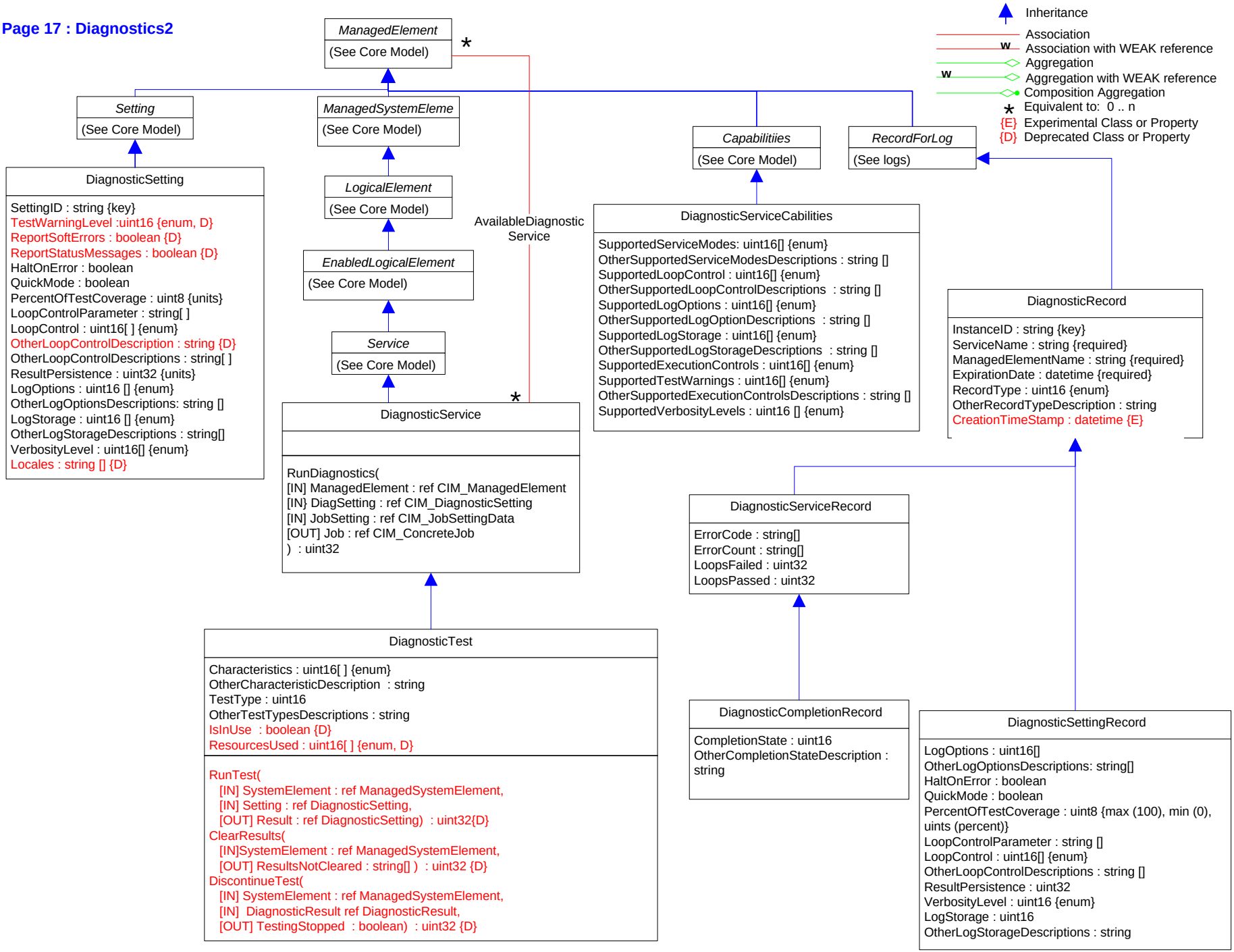
Page 15 : Logs2



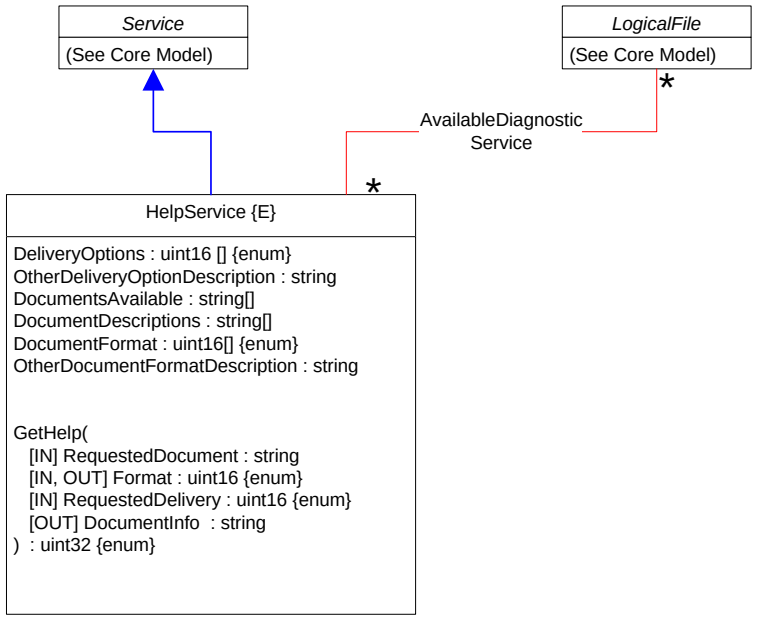
Page 16 : Diagnostics

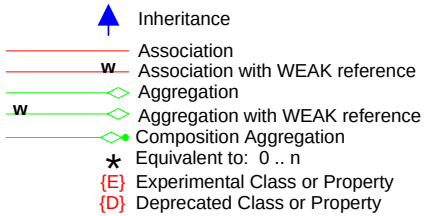


Page 17 : Diagnostics2



Page 18 : Help


Service
(See Core Model)
LogicalFile
(See Core Model)
AvailableDiagnostic
Service
*
*
HelpService {E}
DeliveryOptions : uint16 [] {enum}
OtherDeliveryOptionDescription : string
DocumentsAvailable : string[]
DocumentDescriptions : string[]
DocumentFormat : uint16[] {enum}
OtherDocumentFormatDescription : string
GetHelp(
[IN] RequestedDocument : string
[IN, OUT] Format : uint16 {enum}
[IN] RequestedDelivery : uint16 {enum}
[OUT] DocumentInfo : string
) : uint32 {enum}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Aggregation with WEAK reference
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Equivalent to: 0 .. n
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{D}
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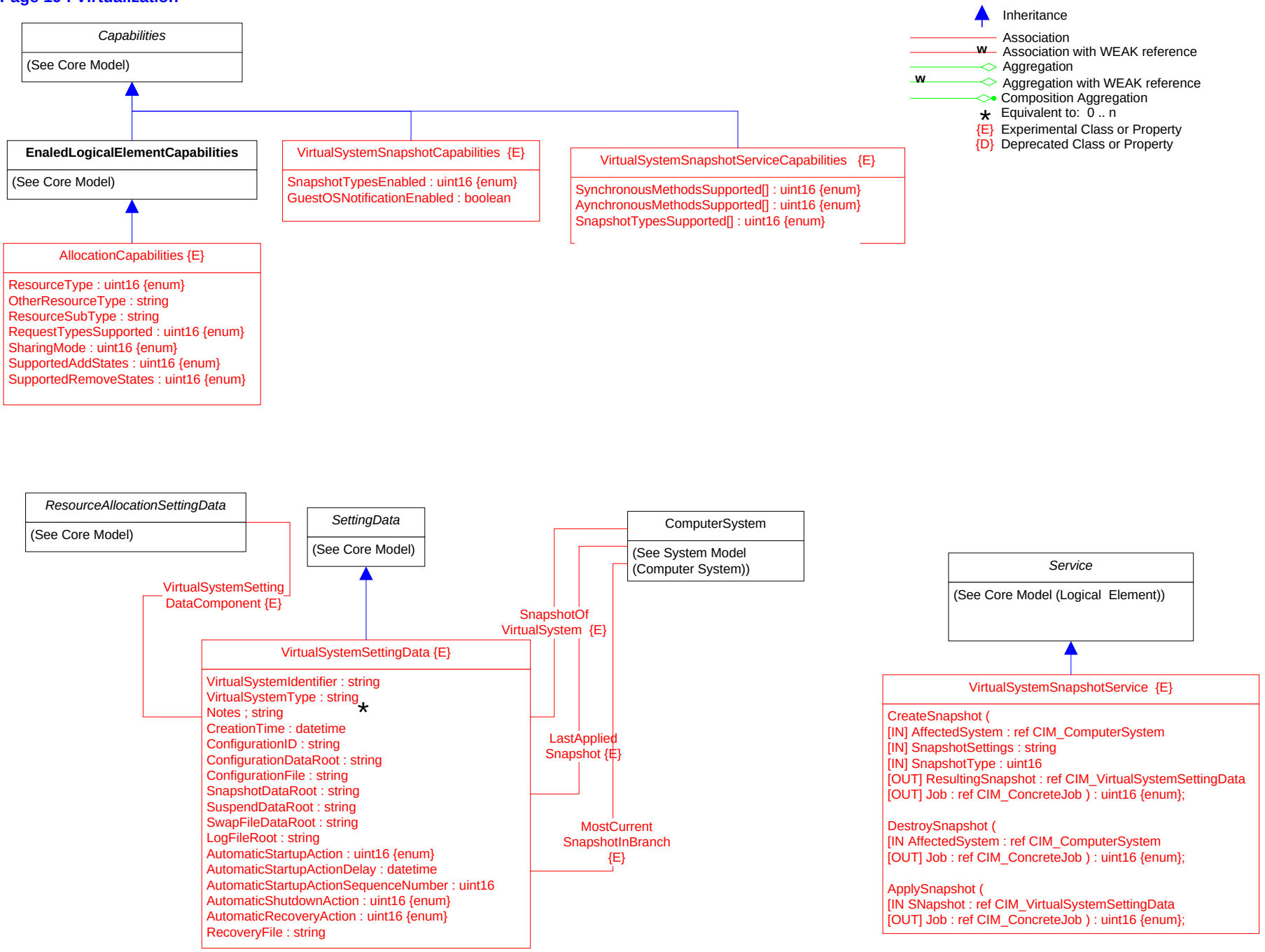
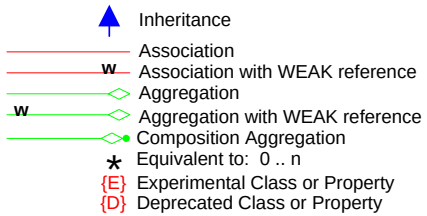
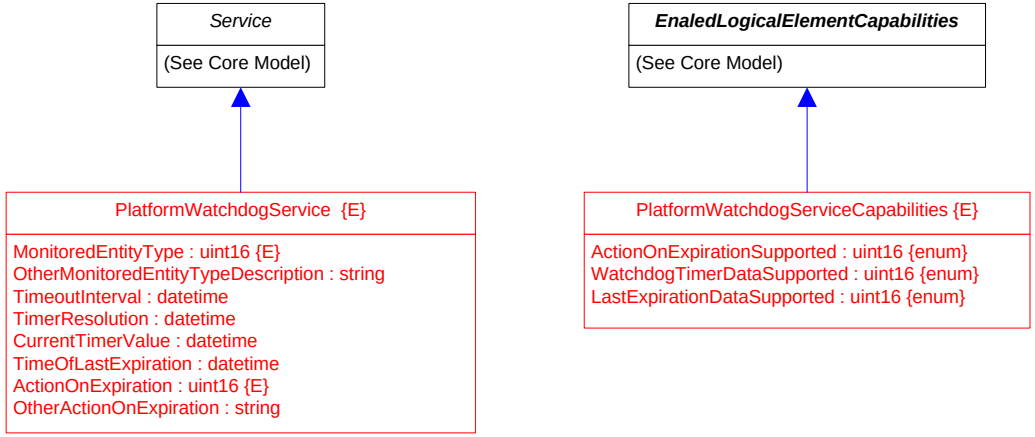
Page 19 : Virtualization

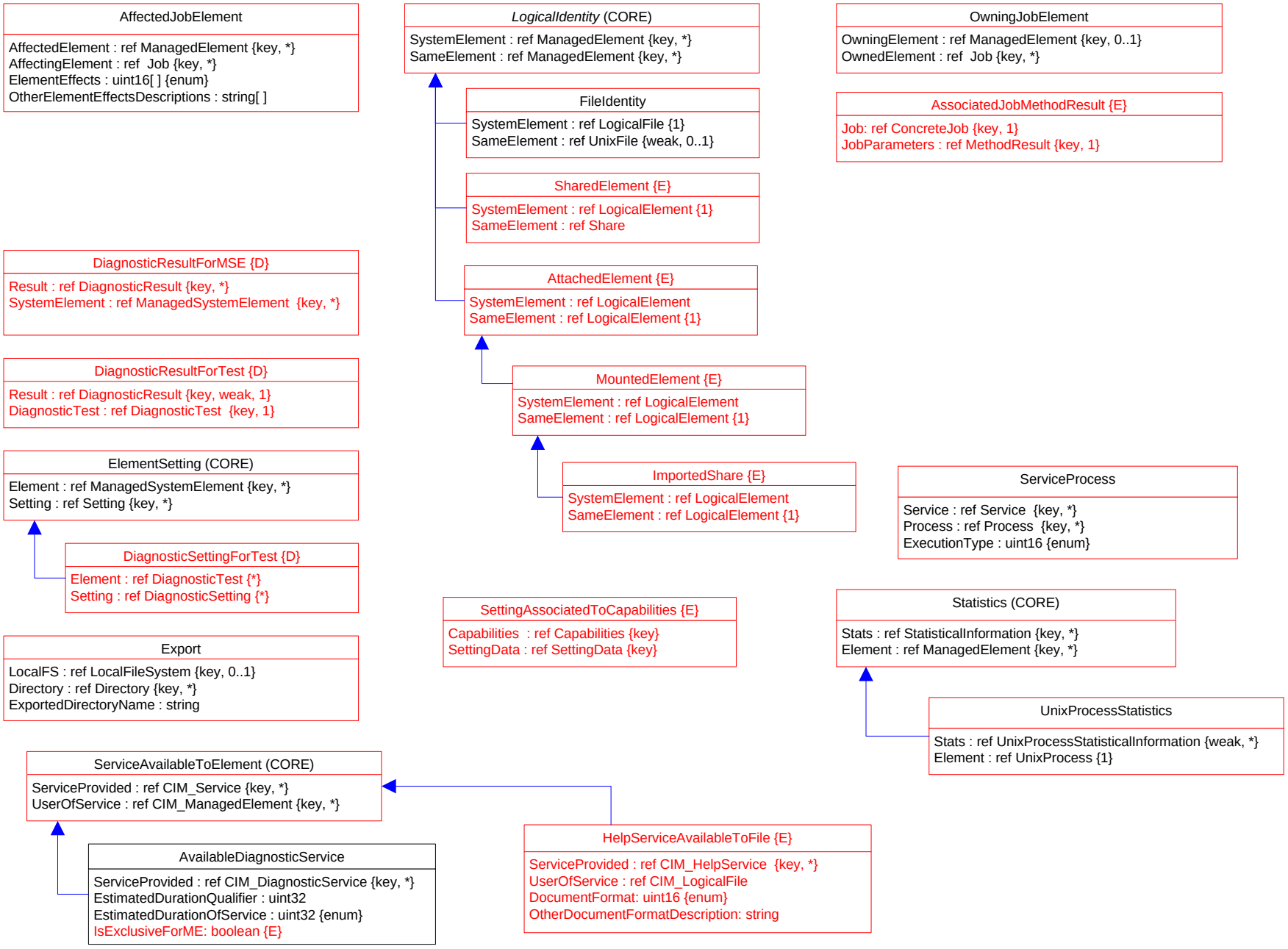


Page 20 : Watchdog

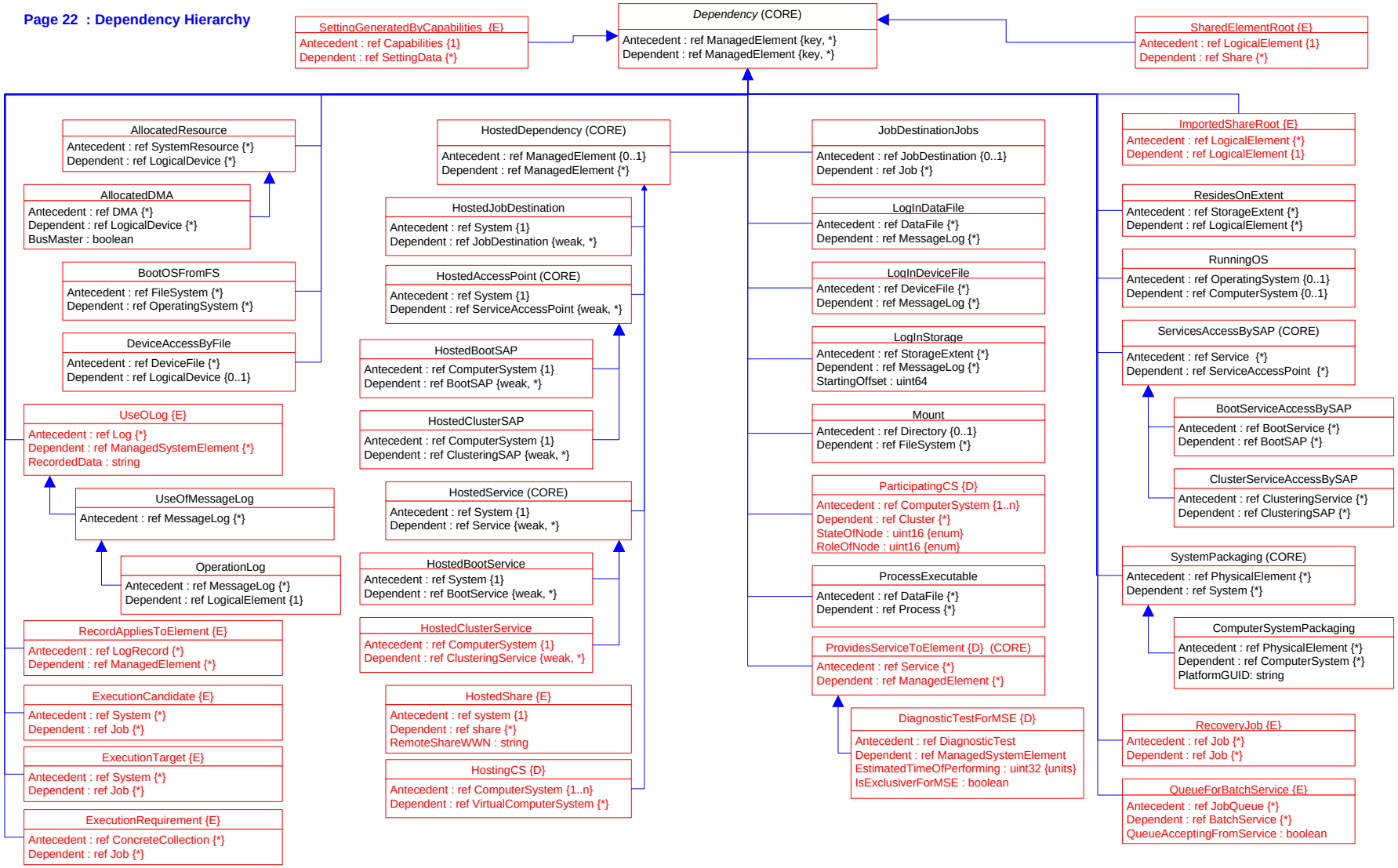




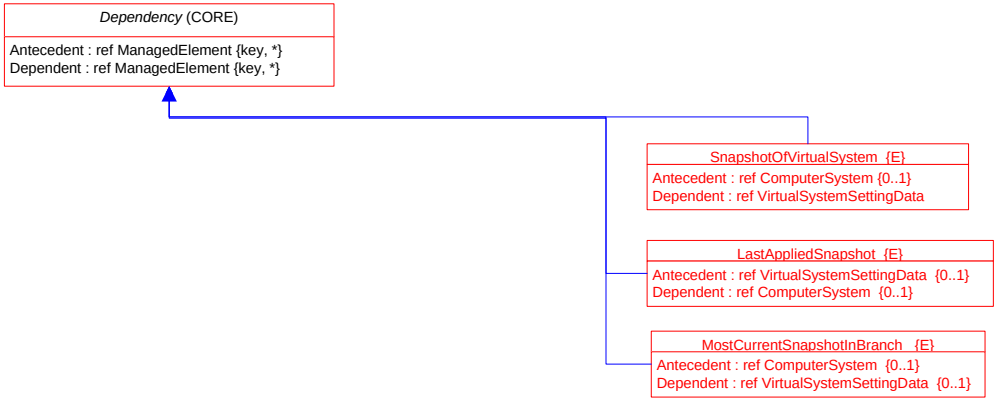
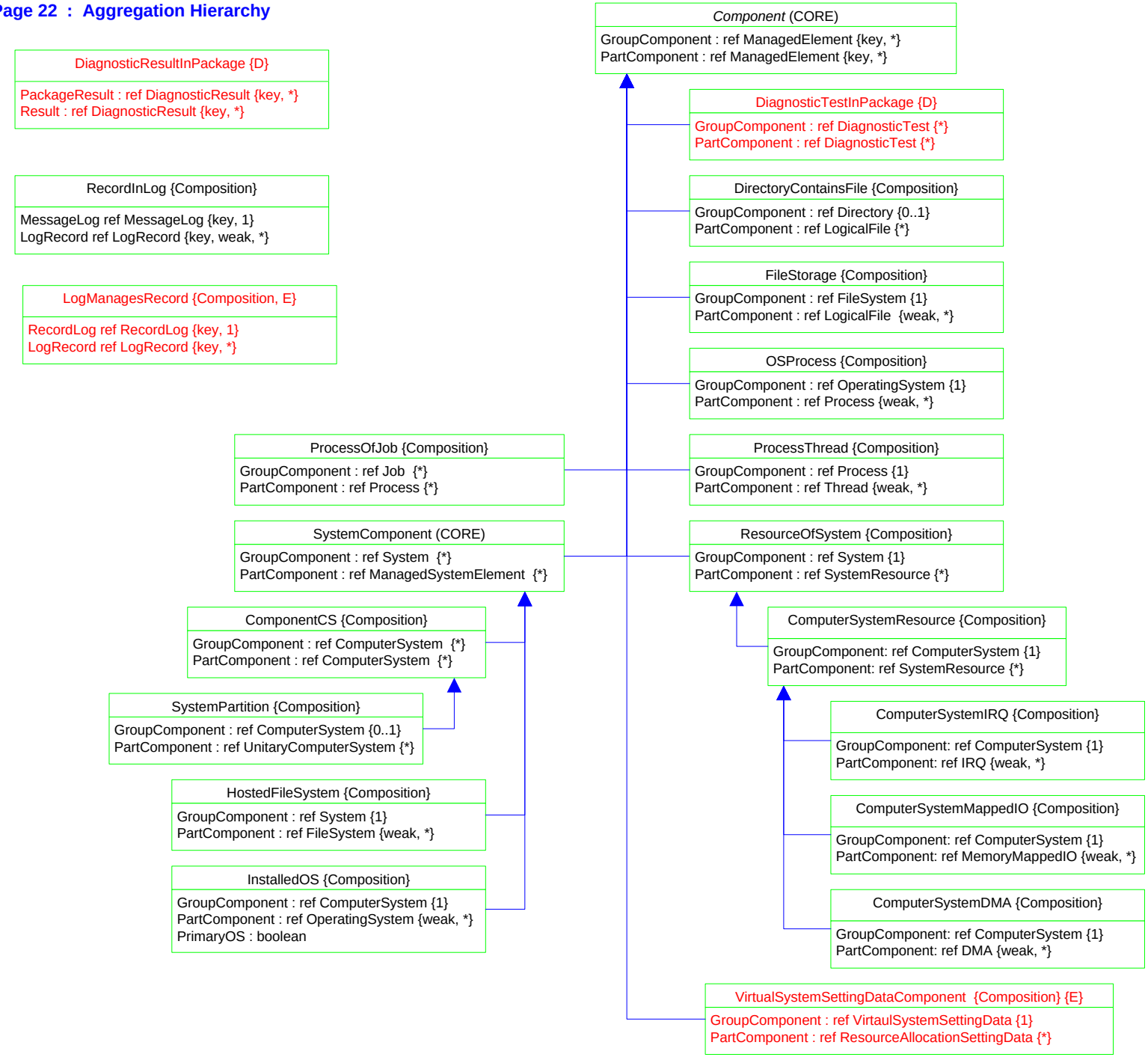
Page 21 : Association Hierarchy



Page 22 : Dependency Hierarchy



Page 23 : Dependency Hierarchy (2)



Page 22 : Aggregation Hierarchy