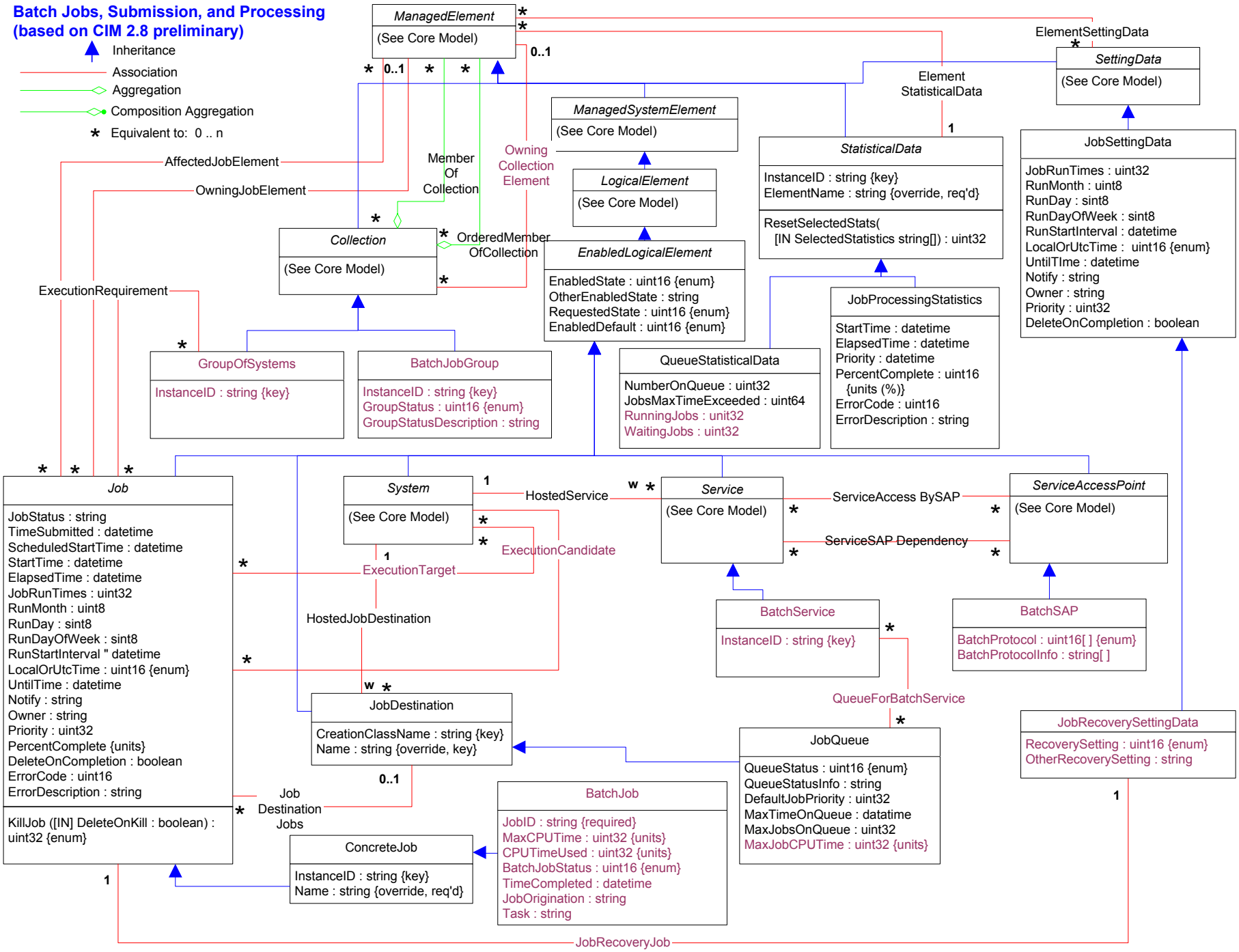
Batch Jobs, Submission, and Processing
(based on CIM 2.8 preliminary)
Inheritance
Association
Aggregation
Composition Aggregation
* Equivalent to: 0 .. n
ManagedElement
(See Core Model)
ElementSettingData
SettingData
(See Core Model)
Element
StatisticalData
ManagedSystemElement
(See Core Model)
LogicalElement
(See Core Model)
EnabledLogicalElement
EnabledState : uint16 {enum}
OtherEnabledState : string
RequestedState : uint16 {enum}
EnabledDefault : uint16 {enum}
StatisticalData
InstanceID : string {key}
ElementName : string {override, req'd}
ResetSelectedStats(
[IN SelectedStatistics string[]) : uint32
JobSettingData
JobRunTimes : uint32
RunMonth : uint8
RunDay : sint8
RunDayOfWeek : sint8
RunStartInterval : datetime
LocalOrUtcTime : uint16 {enum}
UntilTIme : datetime
Notify : string
Owner : string
Priority : uint32
DeleteOnCompletion : boolean
AffectedJobElement
OwningJobElement
Member
Of
Collection
Owning
Collection
Element
Collection
(See Core Model)
OrderedMember
OfCollection
ExecutionRequirement
GroupOfSystems
InstanceID : string {key}
BatchJobGroup
InstanceID : string {key}
GroupStatus : uint16 {enum}
GroupStatusDescription : string
QueueStatisticalData
NumberOnQueue : uint32
JobsMaxTimeExceeded : uint64
RunningJobs : unit32
WaitingJobs : uint32
JobProcessingStatistics
StartTime : datetime
ElapsedTime : datetime
Priority : datetime
PercentComplete : uint16
{units (%)}
ErrorCode : uint16
ErrorDescription : string
Job
JobStatus : string
TimeSubmitted : datetime
ScheduledStartTime : datetime
StartTime : datetime
ElapsedTime : datetime
JobRunTimes : uint32
RunMonth : uint8
RunDay : sint8
RunDayOfWeek : sint8
RunStartInterval " datetime
LocalOrUtcTime : uint16 {enum}
UntilTime : datetime
Notify : string
Owner : string
Priority : uint32
PercentComplete {units}
DeleteOnCompletion : boolean
ErrorCode : uint16
ErrorDescription : string
KillJob ([IN] DeleteOnKill : boolean) :
uint32 {enum}
System
(See Core Model)
HostedService
Service
(See Core Model)
ServiceAccess BySAP
ServiceSAP Dependency
ServiceAccessPoint
(See Core Model)
ExecutionCandidate
ExecutionTarget
HostedJobDestination
BatchService
InstanceID : string {key}
BatchSAP
BatchProtocol : uint16[ ] {enum}
BatchProtocolInfo : string[ ]
QueueForBatchService
JobDestination
CreationClassName : string {key}
Name : string {override, key}
JobQueue
QueueStatus : uint16 {enum}
QueueStatusInfo : string
DefaultJobPriority : uint32
MaxTimeOnQueue : datatime
MaxJobsOnQueue : uint32
MaxJobCPUTime : uint32 {units}
JobRecoverySettingData
RecoverySetting : uint16 {enum}
OtherRecoverySetting : string
Job
Destination
Jobs
BatchJob
JobID : string {required}
MaxCPUTime : uint32 {units}
CPUTimeUsed : uint32 {units}
BatchJobStatus : uint16 {enum}
TimeCompleted : datetime
JobOrigination : string
Task : string
ConcreteJob
InstanceID : string {key}
Name : string {override, req'd}
JobRecoveryJob