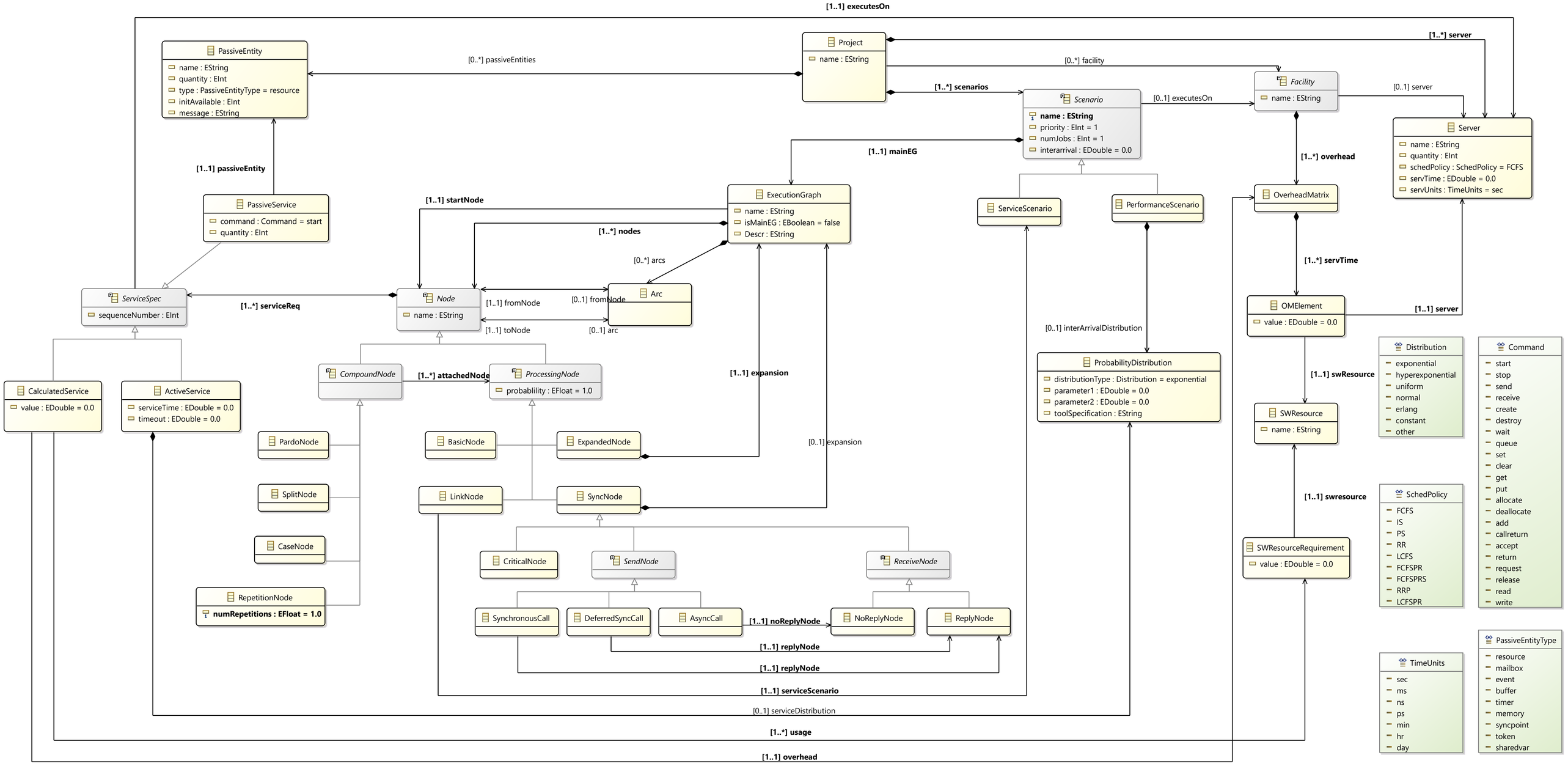
[1..1] executesOn
PassiveEntity
name : EString
quantity : EInt
type : PassiveEntityType = resource
initAvailable : EInt
message : EString
[0..*] passiveEntities
Project
name : EString
[1..*] server
[0..*] facility
[1..*] scenarios
Scenario
name : EString
priority : EInt = 1
numJobs : EInt = 1
interarrival : EDouble = 0.0
[0..1] executesOn
Facility
name : EString
[0..1] server
Server
name : EString
quantity : EInt
schedPolicy : SchedPolicy = FCFS
servTime : EDouble = 0.0
servUnits : TimeUnits = sec
[1..1] passiveEntity
[1..1] mainEG
[1..*] overhead
PassiveService
command : Command = start
quantity : EInt
ExecutionGraph
name : EString
isMainEG : EBoolean = false
Descr : EString
[1..1] startNode
[1..*] nodes
[0..*] arcs
ServiceScenario
PerformanceScenario
OverheadMatrix
[1..*] servTime
ServiceSpec
sequenceNumber : EInt
[1..*] serviceReq
Node
name : EString
[1..1] fromNode
[0..1] fromNode
[1..1] toNode
[0..1] arc
Arc
OMElement
value : EDouble = 0.0
[1..1] server
[0..1] interArrivalDistribution
CompoundNode
[1..*] attachedNode
ProcessingNode
probablility : EFloat = 1.0
[1..1] expansion
ProbabilityDistribution
distributionType : Distribution = exponential
parameter1 : EDouble = 0.0
parameter2 : EDouble = 0.0
toolSpecification : EString
Distribution
exponential
hyperexponential
uniform
normal
erlang
constant
other
Command
start
stop
send
receive
create
destroy
wait
queue
set
clear
get
put
allocate
deallocate
add
callreturn
accept
return
request
release
read
write
CalculatedService
value : EDouble = 0.0
ActiveService
serviceTime : EDouble = 0.0
timeout : EDouble = 0.0
[1..1] swResource
SWResource
name : EString
PardoNode
BasicNode
ExpandedNode
[0..1] expansion
SplitNode
LinkNode
SyncNode
[1..1] swresource
SchedPolicy
FCFS
IS
PS
RR
LCFS
FCFSPR
FCFSPRS
RRP
LCFSPR
CaseNode
CriticalNode
SendNode
ReceiveNode
SWResourceRequirement
value : EDouble = 0.0
RepetitionNode
numRepetitions : EFloat = 1.0
SynchronousCall
DeferredSyncCall
AsyncCall
[1..1] noReplyNode
NoReplyNode
ReplyNode
[1..1] replyNode
[1..1] replyNode
PassiveEntityType
resource
mailbox
event
buffer
timer
memory
syncpoint
token
sharedvar
[1..1] serviceScenario
[0..1] serviceDistribution
[1..*] usage
TimeUnits
sec
ms
ns
ps
min
hr
day
[1..1] overhead