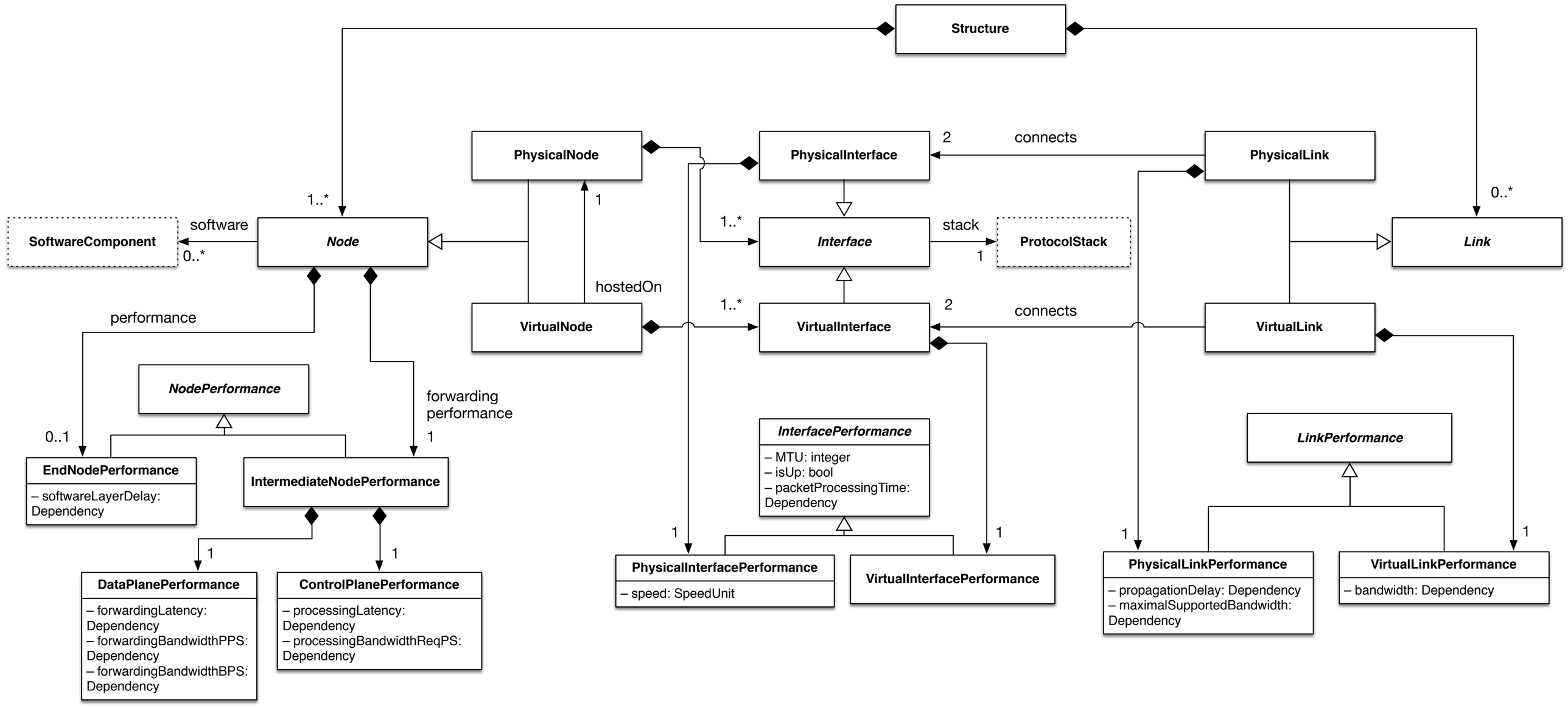
Structure
PhysicalNode
PhysicalInterface
2
connects
PhysicalLink
1..*
1
0..*
SoftwareComponent
software
0..*
Node
1..*
Interface
stack
1
ProtocolStack
Link
hostedOn
1..*
2
connects
performance
VirtualNode
VirtualInterface
VirtualLink
NodePerformance
forwarding
performance
0..1
1
InterfacePerformance
– MTU: integer
– isUp: bool
– packetProcessingTime: Dependency
LinkPerformance
EndNodePerformance
– softwareLayerDelay: Dependency
IntermediateNodePerformance
1
1
1
1
1
1
DataPlanePerformance
– forwardingLatency: Dependency
– forwardingBandwidthPPS: Dependency
– forwardingBandwidthBPS: Dependency
ControlPlanePerformance
– processingLatency: Dependency
– processingBandwidthReqPS: Dependency
PhysicalInterfacePerformance
– speed: SpeedUnit
VirtualInterfacePerformance
PhysicalLinkPerformance
– propagationDelay: Dependency
– maximalSupportedBandwidth: Dependency
VirtualLinkPerformance
– bandwidth: Dependency