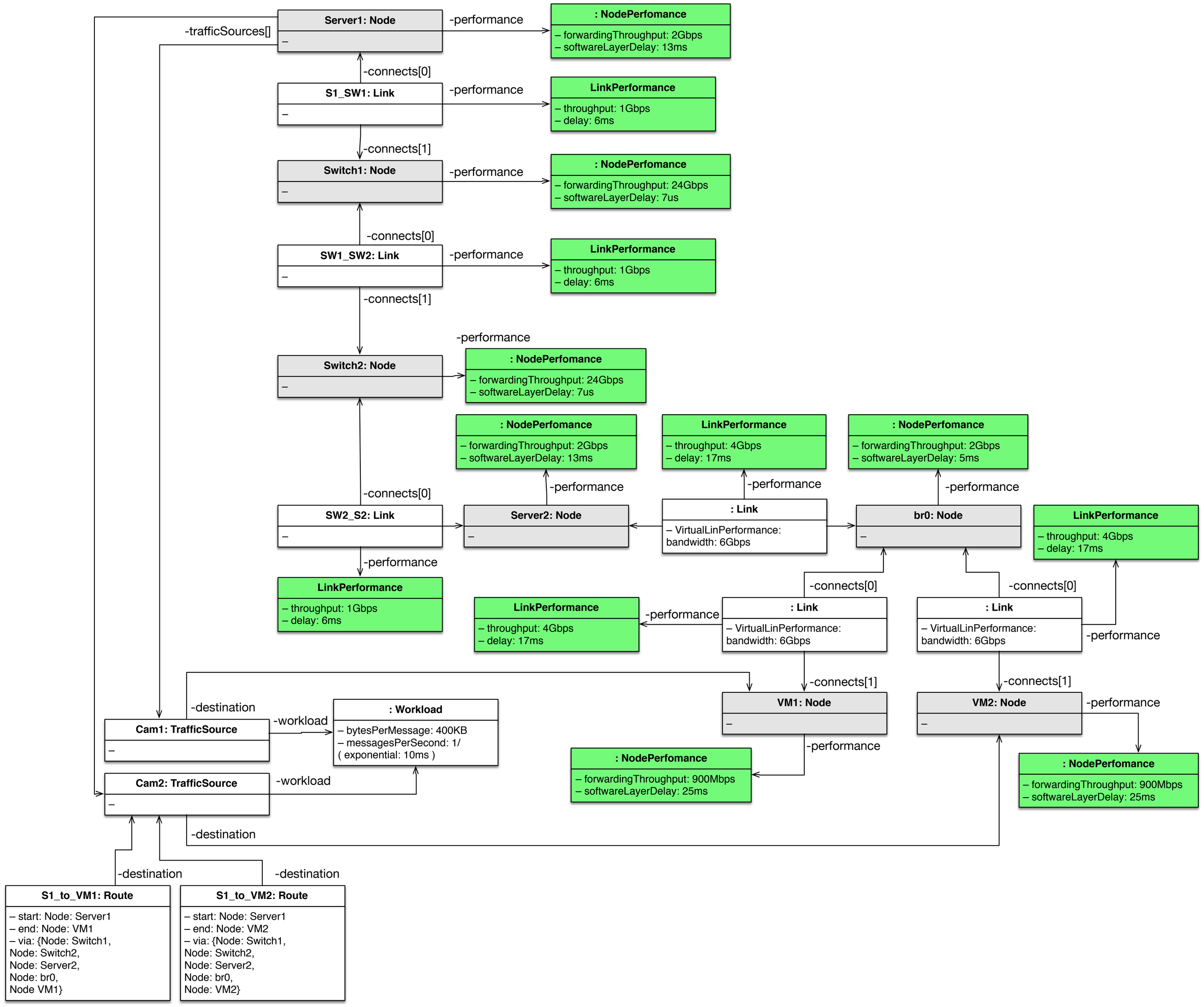
Server1: Node
–
-performance
: NodePerfomance
– forwardingThroughput: 2Gbps
– softwareLayerDelay: 13ms
-trafficSources[]
-connects[0]
S1_SW1: Link
–
-performance
LinkPerformance
– throughput: 1Gbps
– delay: 6ms
-connects[1]
Switch1: Node
–
-performance
: NodePerfomance
– forwardingThroughput: 24Gbps
– softwareLayerDelay: 7us
-connects[0]
SW1_SW2: Link
–
-performance
LinkPerformance
– throughput: 1Gbps
– delay: 6ms
-connects[1]
-performance
Switch2: Node
–
: NodePerfomance
– forwardingThroughput: 24Gbps
– softwareLayerDelay: 7us
: NodePerfomance
– forwardingThroughput: 2Gbps
– softwareLayerDelay: 13ms
LinkPerformance
– throughput: 4Gbps
– delay: 17ms
: NodePerfomance
– forwardingThroughput: 2Gbps
– softwareLayerDelay: 5ms
-performance
-performance
-performance
-connects[0]
SW2_S2: Link
–
Server2: Node
–
: Link
– VirtualLinPerformance:
bandwidth: 6Gbps
br0: Node
–
LinkPerformance
– throughput: 4Gbps
– delay: 17ms
-performance
LinkPerformance
– throughput: 1Gbps
– delay: 6ms
LinkPerformance
– throughput: 4Gbps
– delay: 17ms
-performance
-connects[0]
-connects[0]
: Link
– VirtualLinPerformance:
bandwidth: 6Gbps
: Link
– VirtualLinPerformance:
bandwidth: 6Gbps
-performance
-connects[1]
-connects[1]
-destination
Cam1: TrafficSource
–
-workload
: Workload
– bytesPerMessage: 400KB
– messagesPerSecond: 1/
(exponential: 10ms)
VM1: Node
–
VM2: Node
–
-performance
-performance
: NodePerfomance
– forwardingThroughput: 900Mbps
– softwareLayerDelay: 25ms
: NodePerfomance
– forwardingThroughput: 900Mbps
– softwareLayerDelay: 25ms
Cam2: TrafficSource
–
-workload
-destination
-destination
-destination
S1_to_VM1: Route
– start: Node: Server1
– end: Node: VM1
– via: {Node: Switch1,
Node: Switch2,
Node: Server2,
Node: br0,
Node VM1}
S1_to_VM2: Route
– start: Node: Server1
– end: Node: VM2
– via: {Node: Switch1,
Node: Switch2,
Node: Server2,
Node: br0,
Node: VM2}