```java
if (netPlan.isSingleLayer() && logicalTopology.equalsIgnoreCase("Opaque"))
{

    lowerLayer = netPlan.getNetworkLayerDefault();
    upperLayer = netPlan.addLayerFrom(lowerLayer);
    netPlan.setRoutingType(RoutingType.HOP_BY_HOP_ROUTING, upperLayer);
    lowerLayer.setName("Physical Topology");
    upperLayer.setName("Logical Topology Opaque");
    upperLayer.setDescription("Opaque Logical Topology");

}
```