



Visualizing the Topology

- [AutoNetkit Visualization, page 1](#)

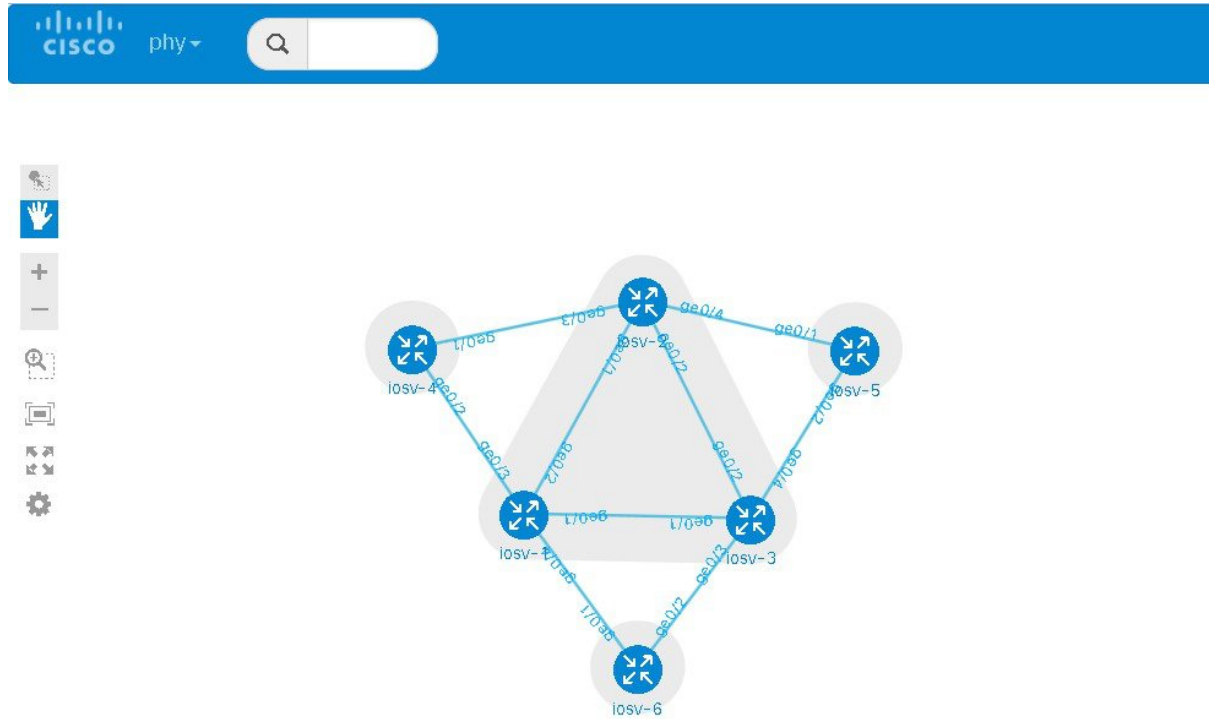
AutoNetkit Visualization

The AutoNetkit visualization phase allows you to see how the nodes interact in terms of routing protocol connectivity, autonomous system (AS) numbers, Open Shortest Path First (OSPF) area, and so on. Before entering the AutoNetkit visualization phase, you must have designed the topology and generated the node configurations using parameters defined in AutoNetkit.

AutoNetkit visualization runs in a browser window, either within the Cisco Modeling Labs client or in a separate window browser. Ensure that you use a compatible browser, as described in the [Cisco Modeling Labs Corporate Edition System Administrator Installation Guide, Release 1.1](#) and [Cisco Modeling Labs Corporate Edition Client Installation Guide, Release 1.1](#), for the version of Cisco Modeling Labs that you are using.

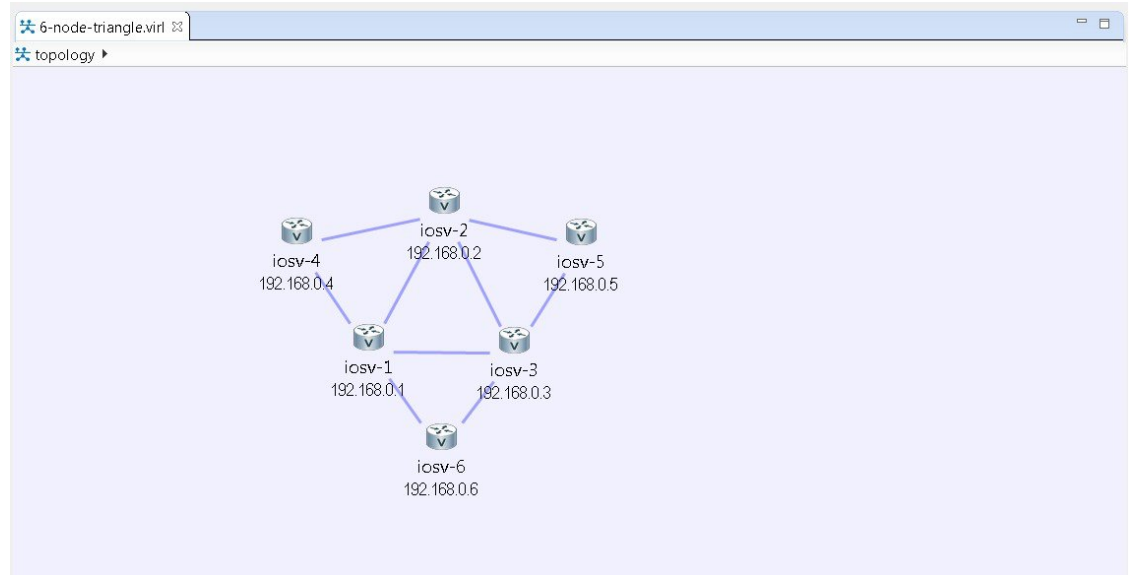
The following figure shows an overview of the AutoNetkit visualization phase as it appears in a browser window.

Figure 1: Visualization Overview



The following figure shows how the visualization compares to the topology design.

Figure 2: Topology Design

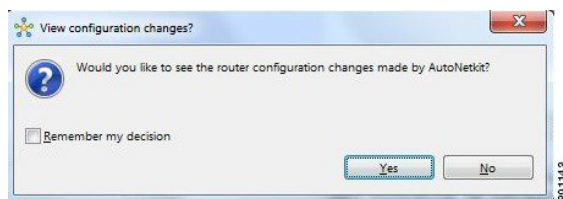


Access AutoNetkit Visualization

To access AutoNetkit visualization, complete the following steps:

-
- Step 1** Generate a configuration for the topology.
Click **Build Initial Configurations** from the toolbar. Alternatively, from the menu bar, choose **Configuration > Build Initial Configurations**.
- Step 2** View the configuration changes.
AutoNetkit displays a notification after it generates the configuration.

Figure 3: View Configuration Change Notification

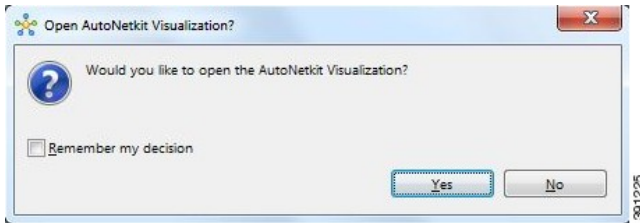


- Click **No** to skip this step.
- Click **Yes** to open a comparison view of the configuration changes.

- Step 3** Display the AutoNetkit visualization view of the topology.

When you close the comparison view, a notification prompts you whether to open AutoNetkit visualization.

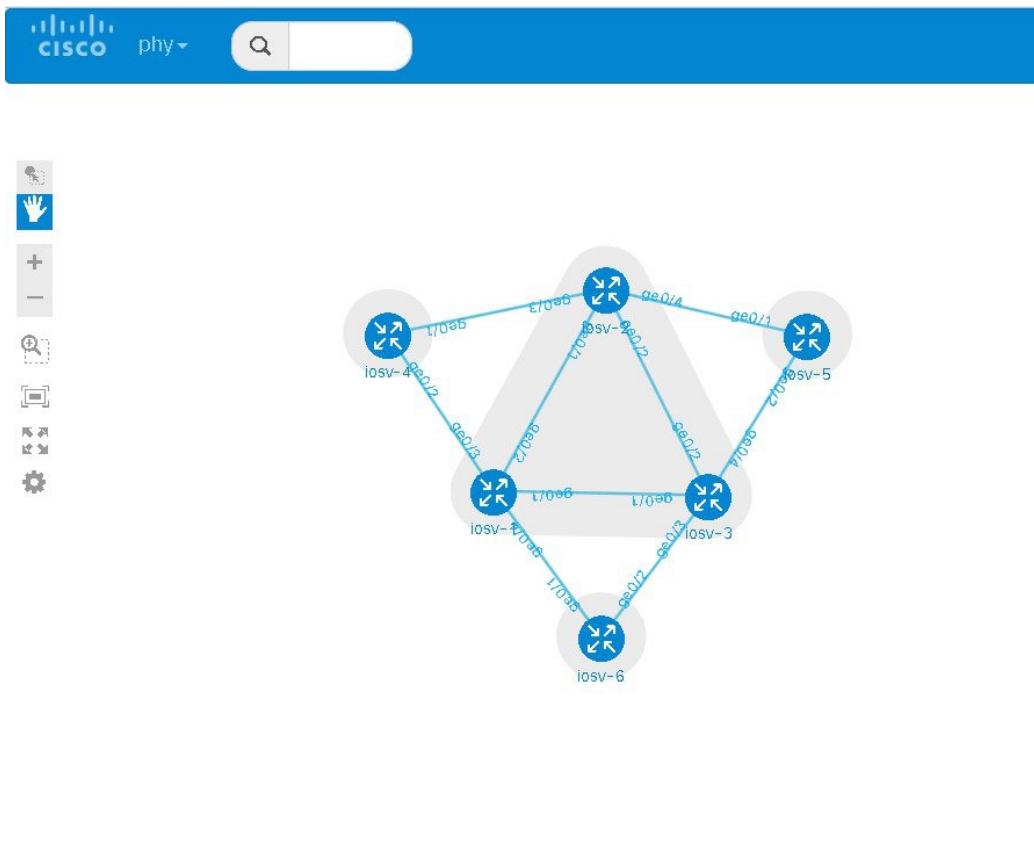
Figure 4: Open AutoNetkit Visualization



- Click **No** to skip this step.
- Click **Yes** to display the visualization.
AutoNetkit visualization opens in a browser window.

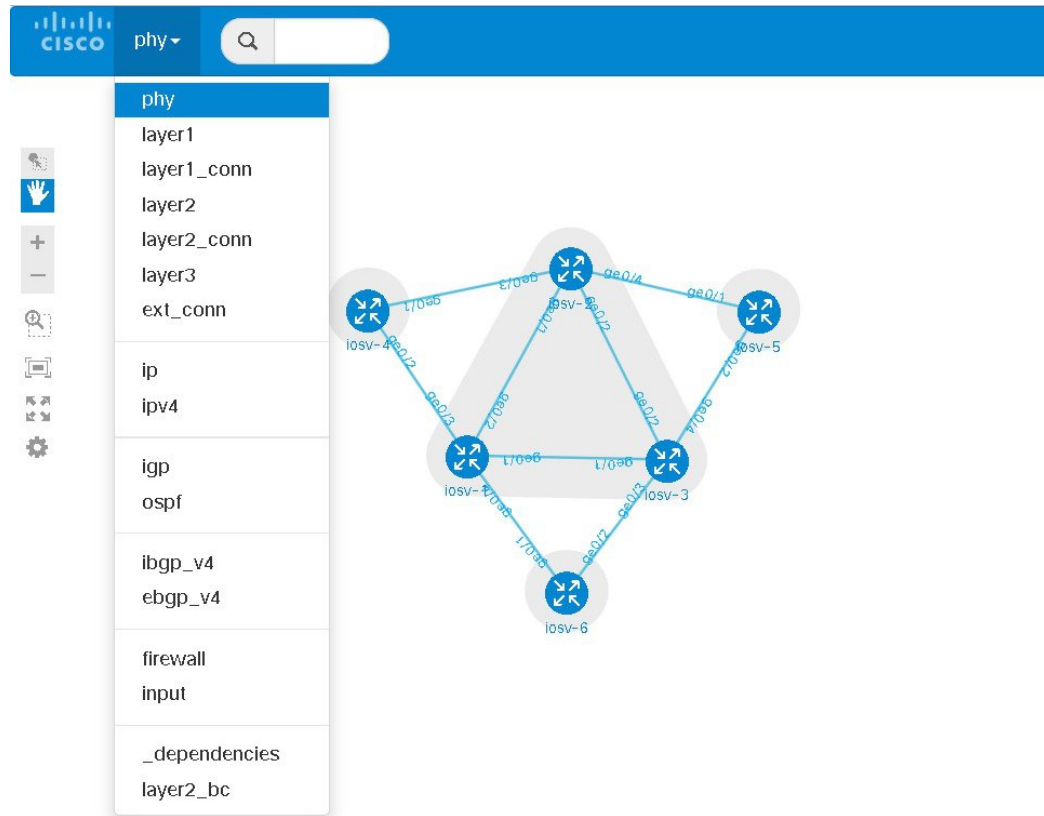
Note Choose **File > Preferences > Web Services > AutoNetkit Visualization** to control the prompts for visualization.

Figure 5: AutoNetkit Visualization Window



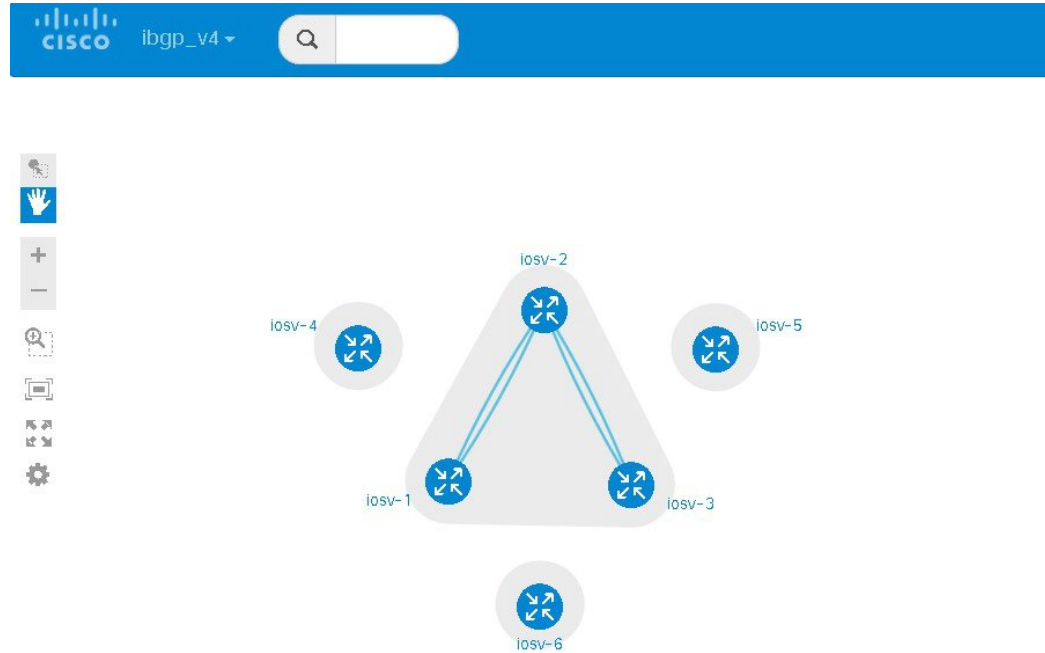
To select another view, place the cursor over the **phy** selection in the browser window.

Figure 7: List of Available Views



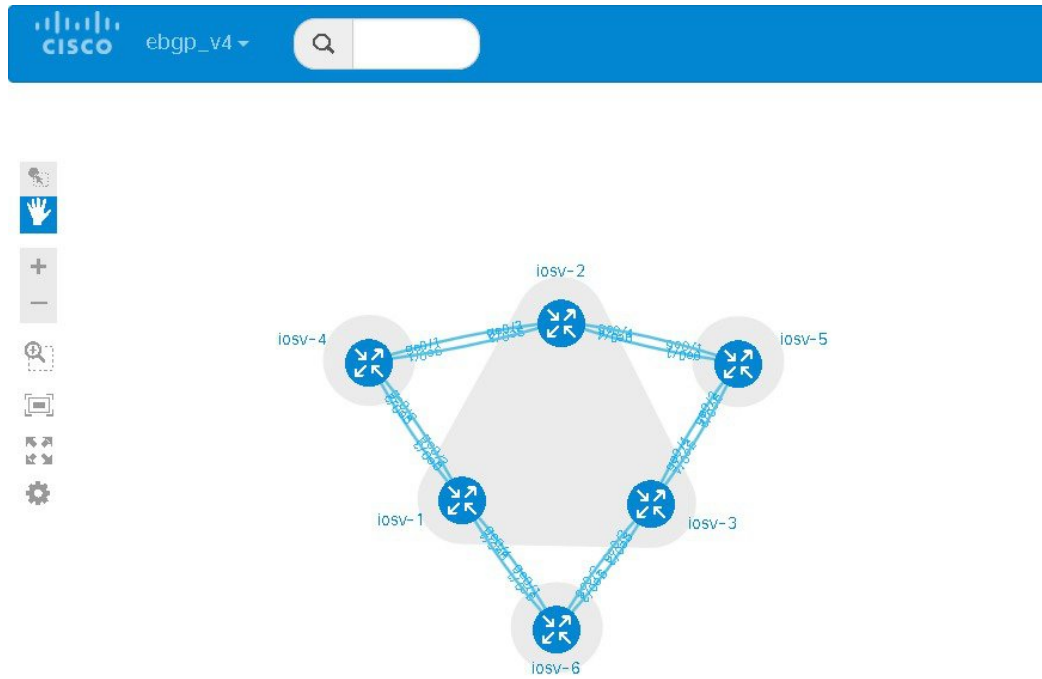
When you place the cursor over the Overlay view, several choices appear. For example, selecting **ibgp_v4** will show the IPv4 iBGP topology.

Figure 8: ibgp_v4 View



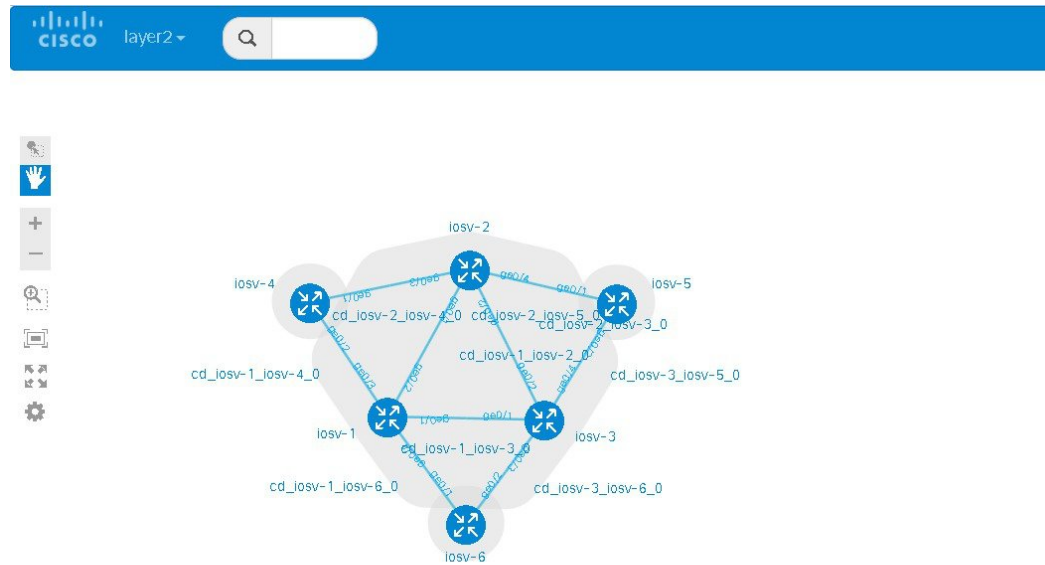
For example, selecting **ebgp_v4** will show the IPv4 eBGP topology.

Figure 9: ebgp_v4 View



For example, selecting **layer2** will show the IPv4 Layer 2 topology.

Figure 10: Layer 2 View

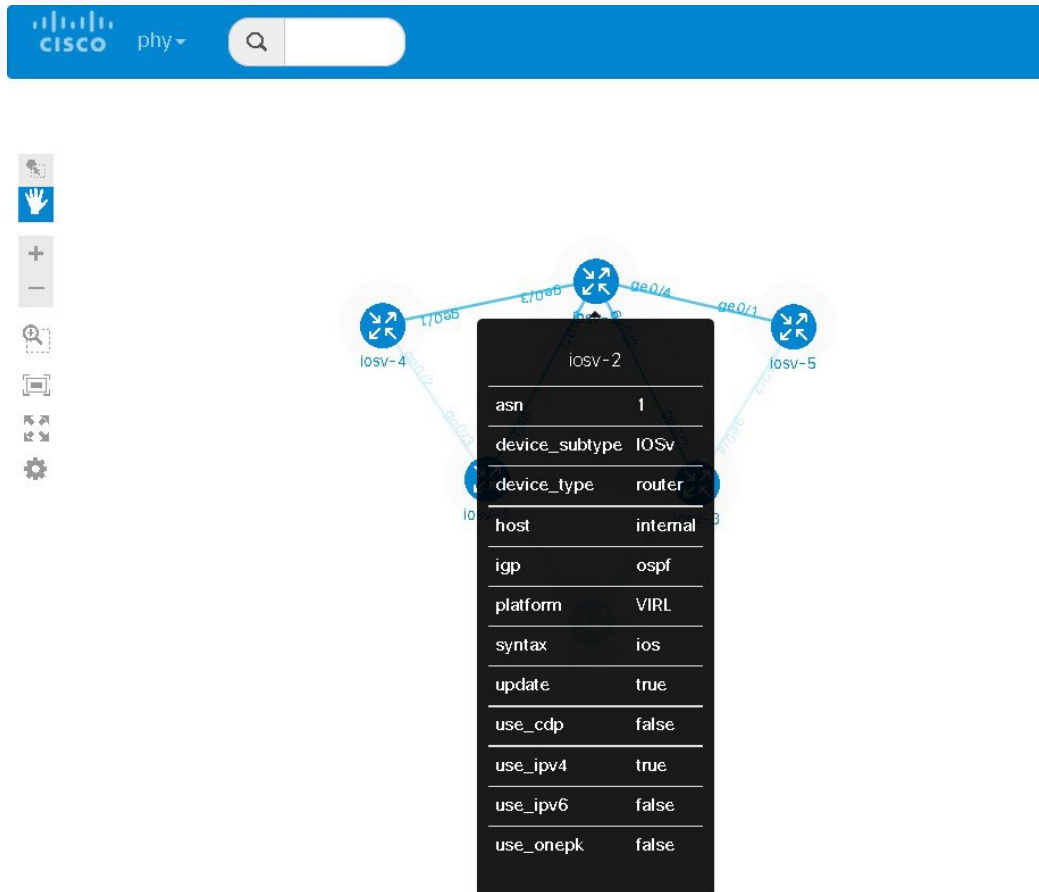


Placing the cursor over one of the nodes displays a pop-up view of information about that node. The type of information displayed depends on the selected option and node configuration.

**Note**

You can also hover over the connections to see connection details.

Figure 11: Node Information



You can continue to select different protocol views to see how the protocol-centric view changes. In a complex topology, you can use the **phy** views to verify that the protocols, nodes, and connections meet the design requirements.