

NetConfer Workflow 5

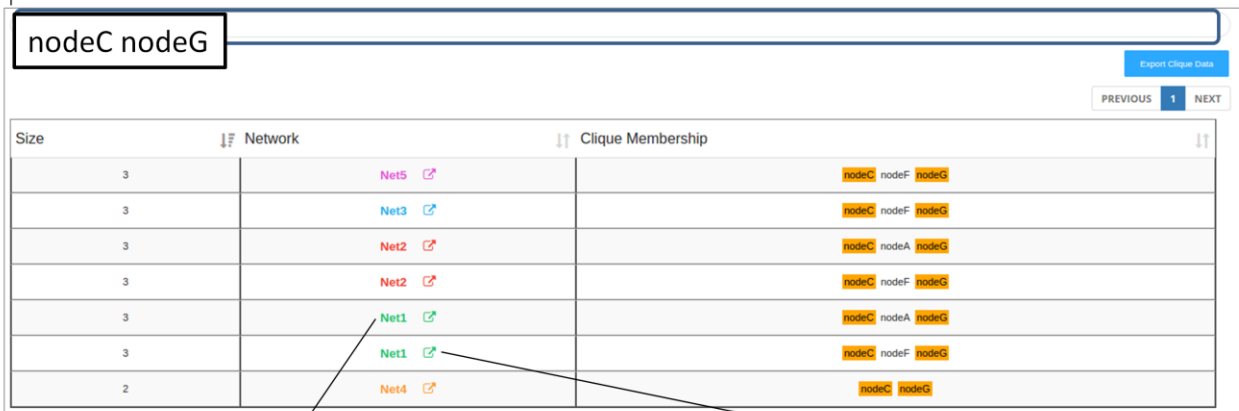
Analysis and Comparison of network Cliques

Objective: This workflow is designed to find and compare 'cliques' (closely knit subset of nodes in a graph) between networks.

Interpretation:

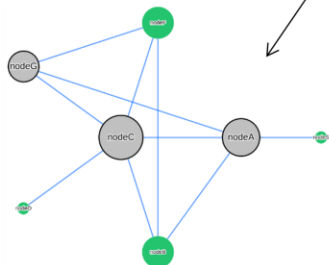
NetConfer automatically finds all cliques in the uploaded networks and presents them as a searchable table. A user can search for cliques having specific members by a powerful yet simplistic query system. Further, the searches can be filtered for a desired set of networks.

Search for one or more nodes to list the cliques where they are present across the selected set of networks. The network names can also be added to narrow down the filter criteria.



The screenshot shows a search bar containing 'nodeC nodeG'. Below it is a table with columns for Size, Network, and Clique Membership. The table lists several results, with 'Net1' highlighted in green. Arrows point from the 'Net1' entries in the table to network diagrams below.

Size	Network	Clique Membership
3	Net5	nodeC, nodeF, nodeG
3	Net3	nodeC, nodeF, nodeG
3	Net2	nodeC, nodeA, nodeG
3	Net2	nodeC, nodeF, nodeG
3	Net1	nodeC, nodeA, nodeG
3	Net1	nodeC, nodeF, nodeG
2	Net4	nodeC, nodeG



➤ Clicking on the network names displays the network with the clique highlighted in grey
➤ Similar to communities, the clique structure can be viewed across all the networks

