**IFT 466 Advanced Computer Networks**

**Lab 18  
BGP – Show Commands**

After you complete each step, put a ‘√’ or ‘x’ in the completed box

****Open the packet tracer file you saved from Lab 16  
  
  
 ✓

You will now execute a series of show on the topology. For each command, you must list the following and relate it to results displayed on your topology.

1. Show ip bgp summary

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| **Displays the following data**   1. Details of neighbors. 2. Router Identifier, AS number 3. Table version, Main routing table version 4. Total network entries 5. Total path entries. 6. BGP AS-Path entries 7. BGP route-map entries 8. BGP filter-list cache entries 9. Bitfield cache entries 10. Total bytes of memory used 11. BGP activity |

1. Show ip bgp neighbors

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| **Displays the following data**   1. BGP Version 2. Remote router ID 3. BGP State 4. Last read and write times 5. Neighbor capabilities 6. Different message statistics 7. Different prefix activities 8. Event timers 9. Status Flags 10. Option Flags 11. Datagrams |

1. Show ip bgp

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| **Displays the following data**   1. BGP table version 2. Local router ID 3. Different status codes 4. Different Origin codes 5. Different connected networks with their next hop, metric, LocPrf, Weight & Pah details |

1. Show ip route

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| **Displays the following data**   1. Different codes 2. Gateway of last resort details 3. Routing table entries, details and their time stamps. |