

Assignment 1**Assigned: 16 Sep. 2021****Due: 30 Sep. 2021****Instructions**

1. All assignments should be submitted typed neatly using a document processing application of your choice. Please make sure to include your name and student number for proper recording of grades.
2. Assignment solutions can be written either in Greek or English (as long as you are consistent through the same assignment).
3. The assignment is due at the beginning of the lecture at the due date. Late assignments will incur a 20-point penalty. Assignments late by more than one day will not be accepted.

Use any webpage or tool you want to answer the following questions:

1. Does UCY have an AS? If YES, what is/are the number/s?
2. Which IP addresses are allocated to UCY?
3. Where did UCY get the IP addresses from?
4. From which networks does UCY accept traffic?
5. To which networks does UCY send traffic?
6. Show the BGP peerings of UCY.
7. Show the BGP peerings of CYNET.
8. Does UCY have a BGP Peering with CYNET? How did you find out?
9. Does UCY have peering with any other university in Cyprus? If YES, which ones?
10. Does any other University in Cyprus have a peering with CYNET? If YES, which ones?
11. Do Traceroutes from inside and outside the UCY network and identify the networks the traffic goes through. Try both commercial and academic traceroute servers and comment on any differences.
12. Do the same for www.cut.ac.cy (TEPAK) – only of incoming traffic. Try both commercial and academic traceroute servers and comment on any differences.