## **Activity File: Routing Schemes and Protocols**

In this activity, you will continue to play the role of a security analyst at Acme Corp.

* Acme Corp has several offices and needs to determine the shortest path between servers in order to create a static route.
* Your task is to analyze the network diagram and provide the shortest path between the servers provided.
* <https://uci.bootcampcontent.com/UCI-Coding-Bootcamp/UCI-VIRT-CYBER-PT-03-2022-U-LOL/-/tree/main/09-Networking-Fundamentals-II-and-CTF-Review/1/Activities/07_Routing_Schemes_and_Protocols/unsolved>

### **Instructions**

Open the network diagrams provided.

1. For each network diagram, provide the **shortest path** between the following servers:  
   * A to C
     1. a>c
     2. a>c
     3. a>d>c
   * A to I
     1. a>b>c>e>i
     2. a>c>g>k>j>i
     3. a>d>c>e>f>j>i
   * A to K
     1. Abcdgk
     2. Acgk
     3. adcefjk
   * A to M
     1. Abcdgfehlm
     2. Acgkjnm
     3. adcrfjknm
   * E to N
     1. Ehlmn
     2. Eijn
     3. efjkn

* **Note**: In the diagram, the number between devices is the time it takes the data to travel from one device to the next.