

Network Design

Contest Overview and Components

The Network Design contest is constructed to challenge participants on many levels. Teams will create a proposal for a network design given a problem statement scenario. Elements will include LAN design, WAN connectivity, network components, protocols used, security issues and network architecture and a budget.

Teams will be given the problem statement at the beginning of the contest time. Time will be allowed to read the problem statement and ask any questions in a common session. Once the question & answer time has closed, no further questions will be answered. At the end of the contest period, each team will be asked to copy their solution to a specific location for judging.

Team Composition

Your team may be made up of 1-2 students.

Skills

- A good understanding of inter-networked systems
- Critical thinking and evaluation skills for enterprise infrastructure design
- The ability to construct a budget of all the items and services necessary to solve the problem
- The ability to create professional quality documentation that meets problem statement requirements for stated audience

Scoring

- Functionality: 35%
- Efficiency: 30%
- Creativity: 20%
- Organization of the Proposal: 15%

Schedule

Contestants will have a total time of 2½ hours for the contest overview, contest work and turn in. See contest schedule for contest time and place. Check in will begin 20 minutes before the contest begins.

Resources

No specific resources are required for the competition, however the follow will be useful:

- Diagramming tools such as Visio, Lucid Chart or yEd
- Software to generate Microsoft Word or PDF documents
- An Internet browser for looking up technical specifications and pricing

Final documents must be submitted as a file that can be read using Microsoft Word 2010 or later, or as a PDF.