IP Addresses Classes and Special-Use IP Address Space

Overview:

In your assigned readings and material covered in the class lecture, you have been provided information about the various IP address classes. For this assignment, you will perform research using the methods below to gather more information on IP address classes and special-use IP address space. You will conduct research on the historical significance of the address classes, provide a listing on the four primary classes, and list a sample of special-use IP address space.

Required Resources:

* ITT Tech Virtual Library
* Internet access

Research Requirements:

ITT Tech Virtual Library:

1. Using Books24x7:
   1. Conduct a search for “IP address class.” You should see the following books in the first 20 results:
      * CompTIA Network+ Certification Study Guide, by Robert Shimonski and Naomi Alpern
      * CCENT Certification All-In-One For Dummies, by Glen E. Clarke
2. Using Periodicals 🡪 ProQuest Science Journals
   1. Search for “ip time bomb.” You will find a interesting article from 1996 that discusses the challenges faced by network engineers at that time.

Internet:

1. Use the Internet to find various sources for information on IP address classes and special IP address spaces.

Deliverables

* Content
  + Provide information on the historical signification of the address classes, specifically A, B, and C.
  + Provide a breakdown of the following address spaces:
    - A, B, C, and D
    - RFC 1918 IP address ranges
    - Sampling of Martian / Bogon address ranges
  + Describe the use for RFC 1918 addresses.
  + Describe the special-use case for the sampling of Martian / Bogon selected.
* Sources and Length
  + Be sure to provide citations for the ITT Tech Virtual Library resources.
    - Each of the two books should be used as reference with the appropriate chapter / page numbers indicated.
    - Include the proper citation for the article you found using the search criteria provided.
  + Provide citations for the Internet resources you used.
  + Your document should be a minimum of 500 words in length.