

CPAN226: Network Programming

Suggested List of Projects

1. Develop a client server Chat application. In this application the most recent conversations will be shown in the console and all the conversation will be stored in a file or database.
2. Develop a client server Chat application. In this application implement SSL protocol using python SSL package/module to ensure the security of the conversation.
3. A comprehensive research on Python Internet Protocol and Support Packages or modules with example implementation. This project will focus more on research with short examples.
4. Develop an online IPv4 Subnet calculator. You can implement the project in the GUI based or text based.
5. Install a Virtual box. On virtual box install two windows virtual machines (VMs). Setup a network between them. Now write a chat application to communicate between two VMs.
6. Network Automation and Configuration Management Using Python and GitHub. In this project you need to install GNS3 and Python Netmiko and Paramiko module. After that you need to automate the network configuration using Python.