Deep Routing Simulation

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What is Deep Routing Simulation?

It is a simulation of routing data on a large scale network.

What can it be used for?

Traffic Monitoring,

Denial of Service Simulation,

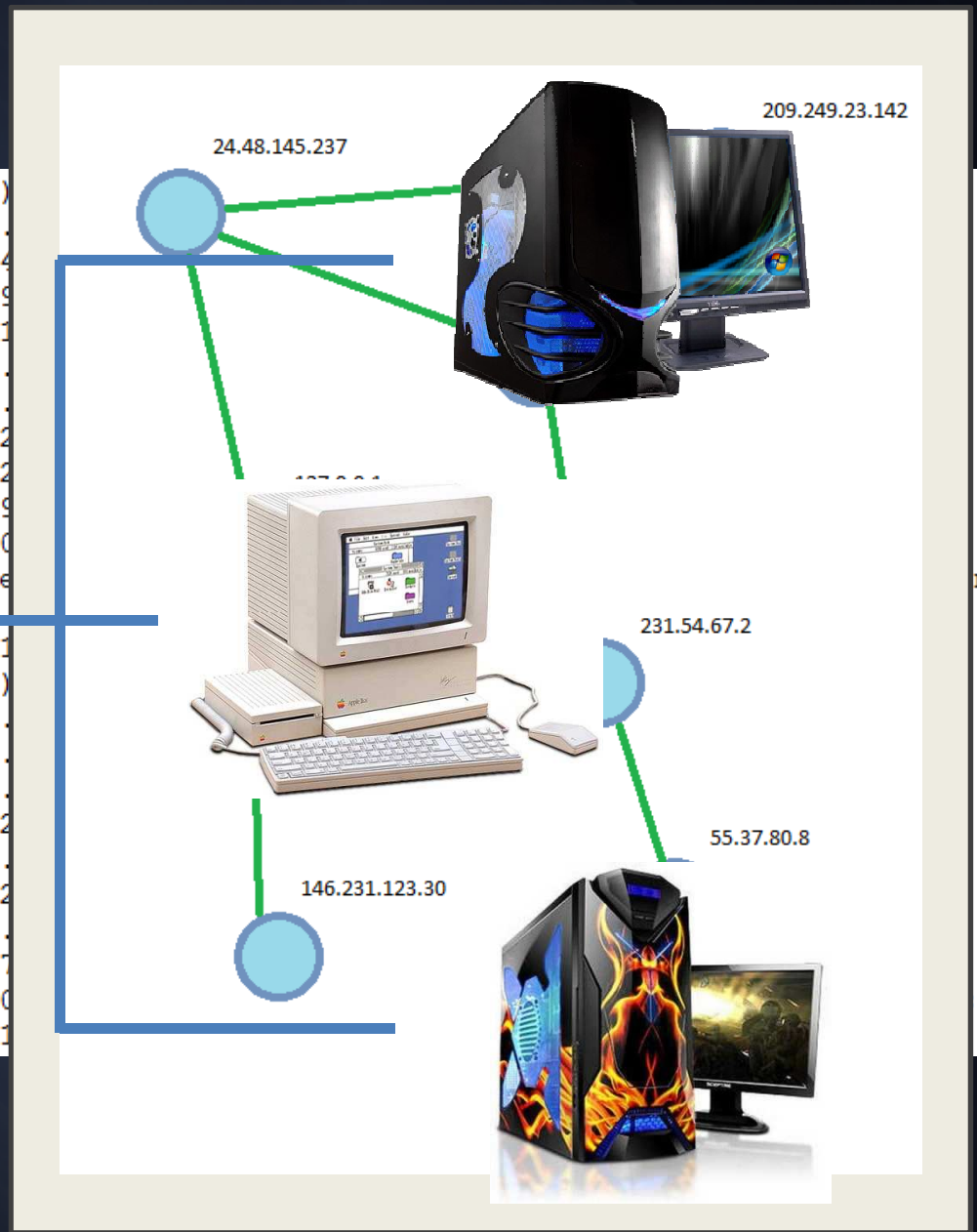Disaster Simulation.

Who has done research on this topic?

ISEAGE *by State University Information Assurance Center*

NS-3 *by* Sun Microsystems and the UCB Daedelus and Carnegie Mellon Monarch projects

Approach

Timeline

Goal 1: Create Proof of Concept

Objective: Load arbitrary route data from a Unix Traceroute into the system and simulate that route on a Network.

Goal 2: Expand and go Large Scale

Objective: Include possible use of a database and write more robust, functional code.

Goal 3: Implement Threading

Objective: Make use of threads within the system as to use CPU more effectively.

Questions?