# Availability

Source: Malicious User

Stimulus: Dos Attack

Artifact: Sever

Environment: Normal run condition

Response: It should cancel the connections that the attacker has

Response measure: Number of successful requests until attack is caught

Source: Users wanting to make requests

Stimulus: A user makes a request

Artifact: Server

Environment: Normal run conditions

Response: Server handles requests in parallel

Response measure: The number of concurrent threads

# Performance

Source: A user who wants a file

Stimulus: A user requests a file

Artifact: Sever

Environment: Normal run condition

Response: The server serves the file

Response measure: The time between request and serving the content

Source: A malicious user

Stimulus: A dos attack on our server

Artifact: Sever

Environment: Normal run condition

Response: The server stops the dos attack to allow other users to not get slower performance

Response measure: Number of dos attack connections before its detected

# Security

Source: A malicious user

Stimulus: A dos attack on our server

Artifact: Sever

Environment: Normal run condition

Response: The server stops the dos attack to allow other users to not get slower performance

Response measure: Number of dos attack connections before its detected

Source: A malicious user

Stimulus: User uploads virus

Artifact: Sever

Environment: Normal run condition

Response: The server should serve the request

Response measure: The server maintains an audit trail so the managers can find the malicious user

Availability

1. Dos attack
2. Make multiple threads so that we have concurrency

Performance

1. Reduce overhead/cashe some files so they are already faster
2. Dos attack

Security

1. Dos attack
2. Audit trail