Tactics implemented:

Retry : In ConnectionHandler’s run method, we pull three requests from the socket, so that if there is a problem with the first request, we try again. We try three times before giving up. This is an availability tactic.

Hot spare: We create a separate instance of the server object to replace the original if it fails in some cases. This is an availability tactic and a security tactic.

Fault Detection: (Map ip addresses to sockets): Monitoring. An availability tactic.

Manage Resources (Queue, get multiple requests from one socket, limit the number of processes): We accept multiple requests from one socket. This is a performance tactic.

Reduce Overhead (multiple requests from one socket, limits number of threads and processes): By accepting multiple requests in the same run method, we limit the number of threads and processes. This is a performance tactic.

Control Resources (limit requests per ip address): We limit the number of sockets an ip address can request. This is a security tactic and a performance tactic.

Control Resources (Sockets are handled in a queue): We deal with the sockets one at a time. This is a performance tactic.

Limit event Response (only 20 active request threads are allowed at once): We reduce overhead and performance degradation. This is a performance tactic and security tactic.