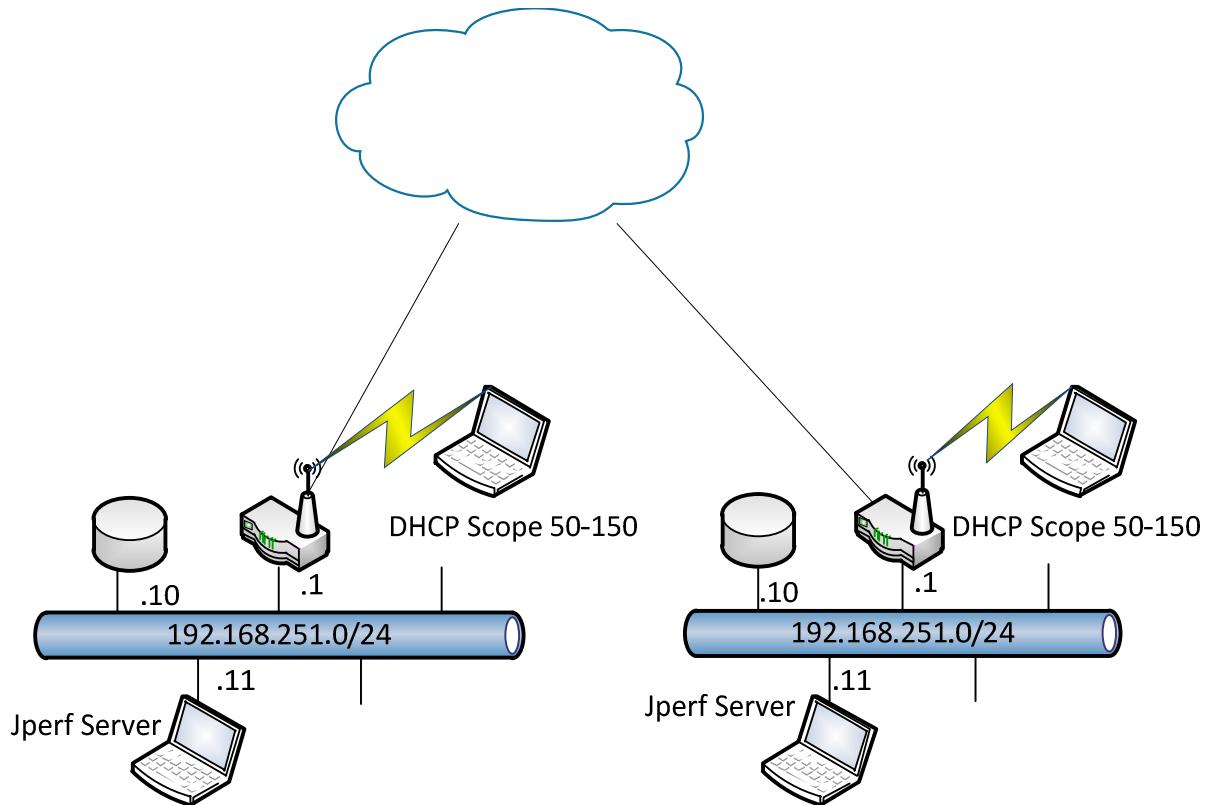


Network Light B&O

Setup:



Tasks:

This task requires teamwork with one of the other teams.

Configure both networks as described in the topology drawing. The purpose of this task is to test the correlation between wireless channel reuse and bandwidth. All in all the test scenarios one of the computers, on each team, should be configured as the Jperf Server and the other computer as the client.

The task is now to test the bandwidth speed if the 2 teams use different non-overlapping channels, different overlapping channels, and the same channel.

Make sure that both teams start Jperf at the same time, and let it run for 100 seconds to create an average.

Baseline Configure both teams wireless router to use the same channel, but only one team is performing the test at a time	Avg. team 1: _____ Avg. team 2: _____
Same Channel allocation Configure both teams wireless router to use the same channel	Avg. team 1: _____ Avg. team 2: _____
Overlapping Channels Configure both teams wireless router to use neighbor channels	Avg. team 1: _____ Avg. team 2: _____
Non Overlapping Channels Configure both teams to use non-overlapping channels and perform the test at the same time	Avg. team 1: _____ Avg. team 2: _____