

# Zergmap Testing Procedures

## Scripted Test

Below is my test script. It would run every test that was given to us, plus custom tests that I made. I also do some basic tests against invalid scenarios. This way I was consistently testing everything against my program and running it all through valgrind so I could check for memory leaks.

There are no memory leaks or crashes when running any of these tests.

Every line returns the expected output.

Make debug

clear

```
valgrind ./zergmap /home/eharmon/pcap/challenge1.pcap
```

```
valgrind ./zergmap /home/eharmon/pcap/challenge2.pcap
```

```
valgrind ./zergmap /home/eharmon/pcap/challenge3.pcap
```

```
valgrind ./zergmap /home/eharmon/pcap/challenge4.pcap
```

```
valgrind ./zergmap /home/eharmon/pcap/challenge5.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/easy_3n0r/*.pcap
```

```
valgrind ./zergmap -h 100 /usr/local/share/instructor_share/zerg-2/pcaps/easy_3n0r_status/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/easy_3n1r/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/easy_5nxx/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/easy_v6_2n0r/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/med_1file/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/med_4n0r/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/med_4n1r/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/hard_6n0r/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/easy_3n0r_status/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/easy_conflict/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/easy_invalid_gps/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/med_1f2r/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/features/dot1q.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/easy_3n1r_bigend/*.pcap
```

```
valgrind ./zergmap /usr/local/share/instructor_share/zerg-2/pcaps/v2.pcap
```

```
valgrind ./zergmap -h 23
```

```
valgrind ./zergmap -h 32 dev/null
```

```
valgrind ./zergmap -h fd dev/null
```

```
valgrind ./zergmap dev/null
```