

CS 536 - Lab 6

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Work Distribution

1. Rishabh: Implemented zigzagrouter, debugging, testing and performance evaluation.
2. Varun: Implemented zigzagconf, utilities, debugging, testing, performance evaluation and write-up.

Problem 1

Setup

1. The server ran on amber21 (in HAAS) and the client ran on amber07 (in HAAS). amber02, amber05, pod3-4 and pod1-1 were chosen to run zigzagrouter.
2. For all experiments, the ping parameters were set to execute 6 times with 1 second delay between each request and no sleep.
3. The round-trip times (RTT) were recorded on Google sheets and plotted using the same.

Observation

One hop is defined as the transfer of packet from one node to another. For example, a single client and single server will have 2 hops. One from client to server and one from server to client. We will have 10 hops when there are 4 intermediary nodes between the client and server. Based on our definition of hops and the program specification, we can not have 1, 3 and 5 hops.

Number of hops	2	4	6	7	8	9	10
Median RTT (msec)	0.707	1.337	2.178	2.319	1.924	3.983	4.458

Median RTT (msec) vs Number of hops

