

Getting Started

Install the handler

We first need to serve the probing HTTP handler.

```
http.HandleFunc("/health", probing.NewHandler())
err := http.ListenAndServe(":12345", nil)
if err != nil {
    log.Fatal("ListenAndServe: ", err)
}
```

Start to probe

Now we can start to probe the endpoint.

```
id := "example"
probingInterval = 5 * time.Second
url := "http://example.com:12345/health"
p.AddHTTP(id, probingInterval, url)

time.Sleep(13 * time.Second)
status, err := p.Status(id)
fmt.Printf("Total Probing: %d, Total Loss: %d, Estimated RTT: %v, Estimated Clock Difference: %v\n",
    status.Total(), status.Loss(), status.SRTT(), status.ClockDiff())
// Total Probing: 2, Total Loss: 0, Estimated RTT: 320.771µs, Estimated Clock Difference: 0µs
```

TODOs:

- TCP probing
- UDP probing
- Gossip based probing
- More accurate RTT estimation
- More accurate Clock difference estimation
- Use a clock interface rather than the real clock