DNS data collection

DNS Stack
Standalone DNS

Collector · Middleware · Probe_N · Probe · Elasticsearch

loop [Each location]

alt [Stack location]

Collector --> ThreadA: Create thread

ThreadA -> Middleware: Request to collect data

loop [Each Probe]

Middleware -> Probe_N: Redirect request to collect data

Probe_N -> Middleware: Response with collected data

Middleware -> ThreadA: Return all collected data

ThreadA -> ThreadA: Parse data

ThreadA -> Elasticsearch: Store and vizualize data

Elasticsearch -> ThreadA

ThreadA -> Collector: End thread

[Standalone location]

Collector --> ThreadB: Create thread

ThreadB -> Probe: Request to collect data

Probe -> ThreadB: Response with collected data

ThreadB -> ThreadB: Parse data

ThreadB -> Elasticsearch: Store and vizualize data

Elasticsearch -> ThreadB

ThreadB -> Collector: End thread

Collector · ThreadA · ThreadB · Middleware · Probe_N · Probe · Elasticsearch