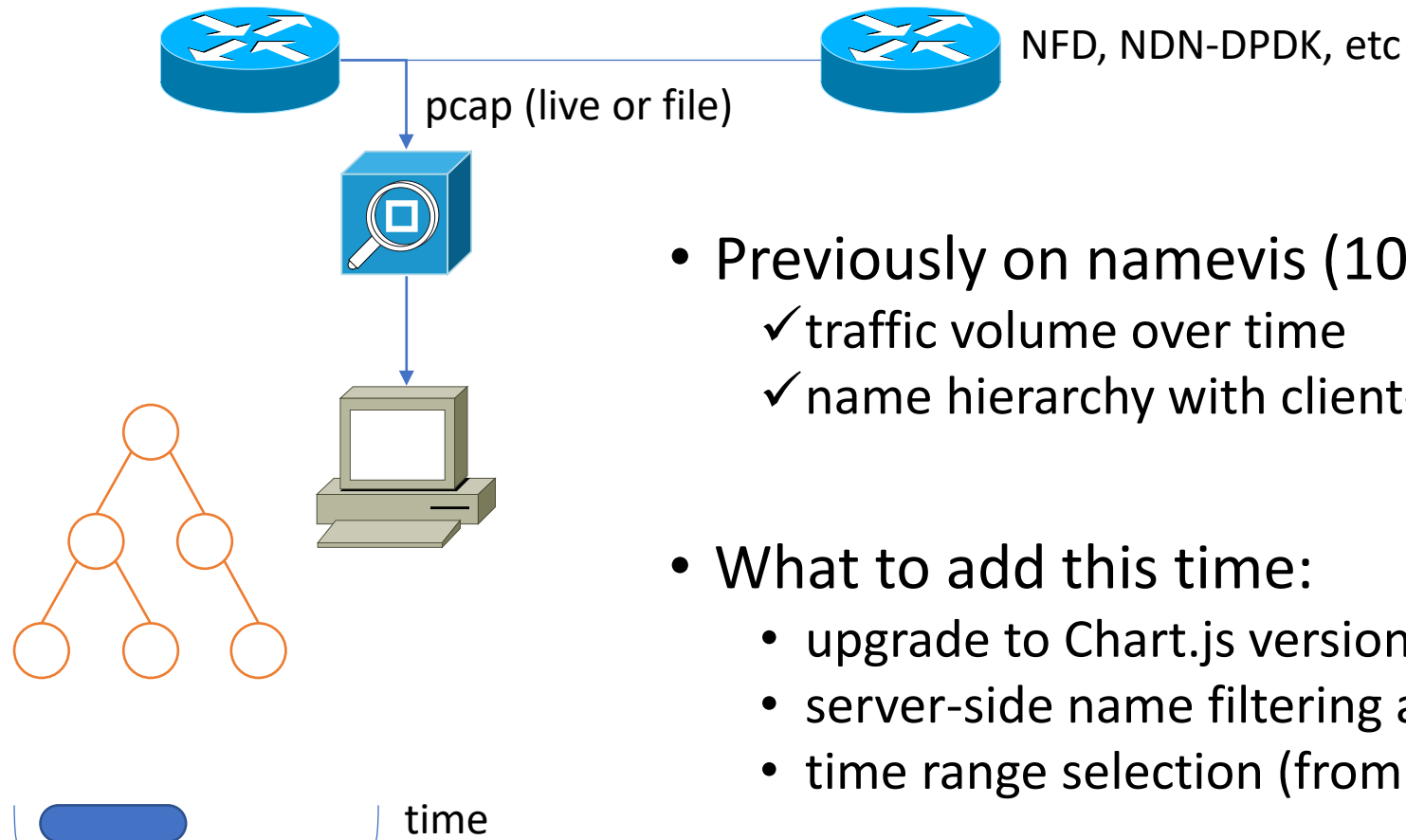
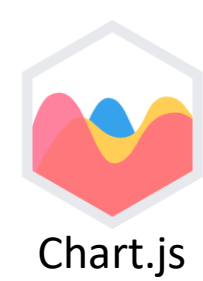
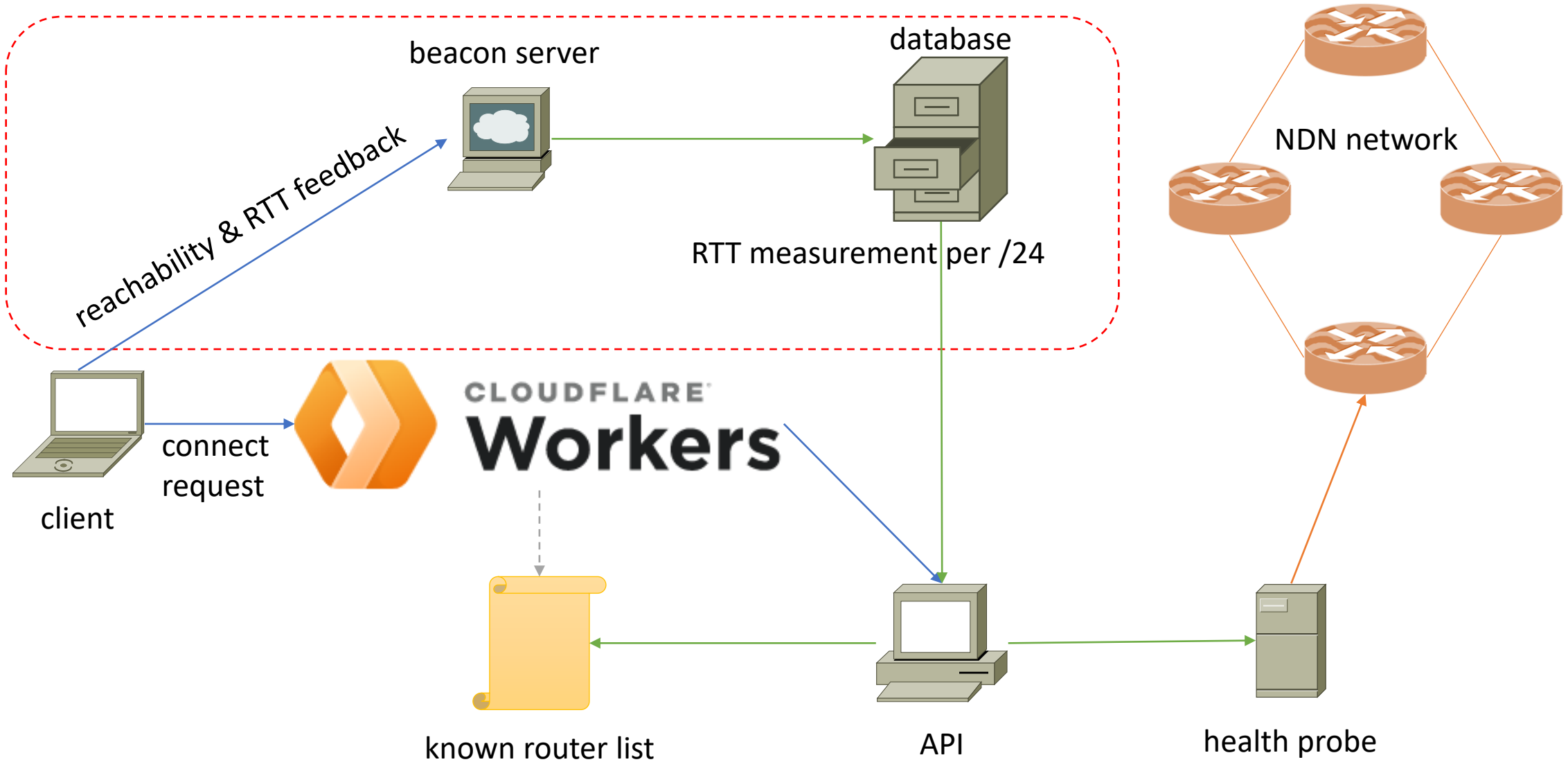


Passive Name Visualizer



- Previously on namevis (10th NDN hackathon):
 - ✓ traffic volume over time
 - ✓ name hierarchy with client-side aggregation
- What to add this time:
 - upgrade to Chart.js version 3
 - server-side name filtering and aggregation
 - time range selection (from pcap file)
- Benefit: insights into network behavior.

NDN-FCH Feedback Loop



Bug Smash – Low Hanging Fruits



- Several bugs in platform software that are easy to fix:
 - ndn-cxx misinterprets large dates in ValidityPeriod ([#5176](#)).
 - NFD faces/destroy should not destroy reserved faces ([#4115](#)).
 - NFD crashes upon receiving TCP RST ([#5158](#)).
 - PSync relies on Name URI syntax that is non-portable ([#4838](#)).
 - NLSR crashes if security is disabled ([Slack#nlsr 2021-03-30](#)).
 - NLSR hyperbolic routes have smaller cost than local apps ([#5152](#)).
 - ppa-packaging unnecessarily uses sudo.
 - ppa-packaging uses obsolete ndnsec-* wrappers.
 - ppa-packaging unnecessarily depends on Python2 and libboost-all-dev.
- You are expected to:
 - Submit and review code on NDN Gerrit during the hackathon.
 - Follow up with reviewers after the hackathon until commits are merged.

PIT Token in ndn-cxx and python-ndn

- PIT token: an opaque hop-by-hop token attached to an Interest that should be returned in the corresponding Data/Nack packet.
 - Multi-thread forwarders (YaNFD, MW-NFD, NDN-DPDK) use PIT token to accelerate packet dispatching and table lookup.
- Hackathon tasks:
 - Accept and return PIT token on producer side of ndn-cxx and python-ndn.
 - Test with YaNFD (via TCP transport with non-local scope).
- Benefits: unlock better performance.
- You are expected to:
 - Submit and review code on Gerrit or GitHub Pulls during the hackathon.
 - Follow up with reviewers after the hackathon until commits are merged

