

Trace Context Extension

draft-ietf-netconf-trace-ctx-extension-00

draft-ietf-netconf-restconf-trace-ctx-headers-00

draft-ietf-netconf-trace-ctx-extension-00

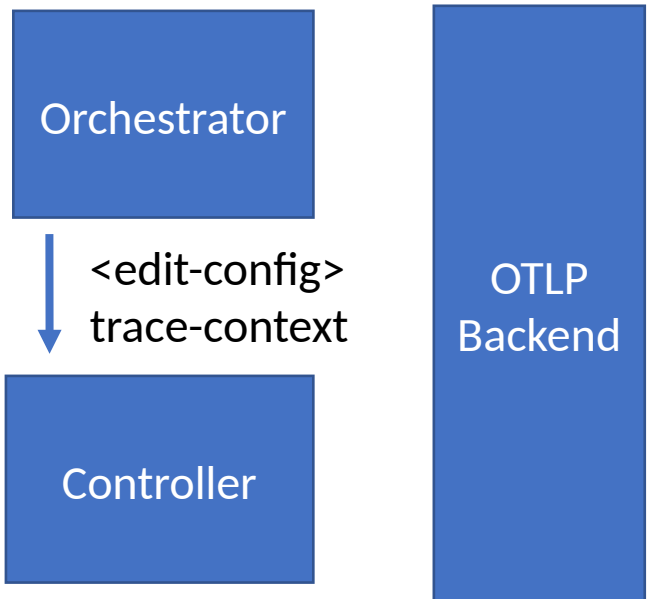
- Adopted. Name changed (late). No updates: "it's done"
- W3C defined REST headers → trivial NETCONF XML attribute mapping

draft-ietf-netconf-restconf-trace-ctx-headers-00

- Adopted. Name changed (late). No updates: "it's done"
- W3C defined REST headers → carbon copy RESTCONF headers

The end goal is to tap into OTLP ecosystem

Example with ServiceNow/LightStep backend



Trace

Trace assembled
129 spans

Aug 8, 11:20:33 PM 0 60ms 120ms 180ms 240ms 300ms 360ms 420ms 480ms 534ms

Orchestrator trace spans

Controller trace spans

Attribute	Value
context	cli
datastore	running
instrumentation.name	
instrumentation.version	
msg	commit
otlp.trace_id	4d2334448f194836b11bc70c05062b74
phrase	commit
span.kind	server
tid	5789
username	admin
usid	60

Log Events

```
commit
  usid: "60"
  tid: "5789"
  datastore: "running"
  context: "cli"
```

Same trace-id

Next Steps

- Production Implementation
- Monitor W3C “baggage headers” development
 - Still W3C Working Draft state, latest version 28 February 2024

Thank you