

Ping Schema

iPerf Schema

Dowping Schema

```
probes: {  
  "iu_ping1": {  
    "$schema": "  
    "address": "iu.edu"  
  },  
  "my_iperf_probe": {  
    "$schema": "  
    ...  
  },  
  ...  
}
```

BLiPP Service

UNIS

```
{  
  "configuration": {  
    (full configuration from  
    schema and BLiPP config)  
  },  
  "service": (blipp service url),  
  "resources": { ... },  
  "schedule": { ... },  
  "eventTypes": [ ... ]  
}
```

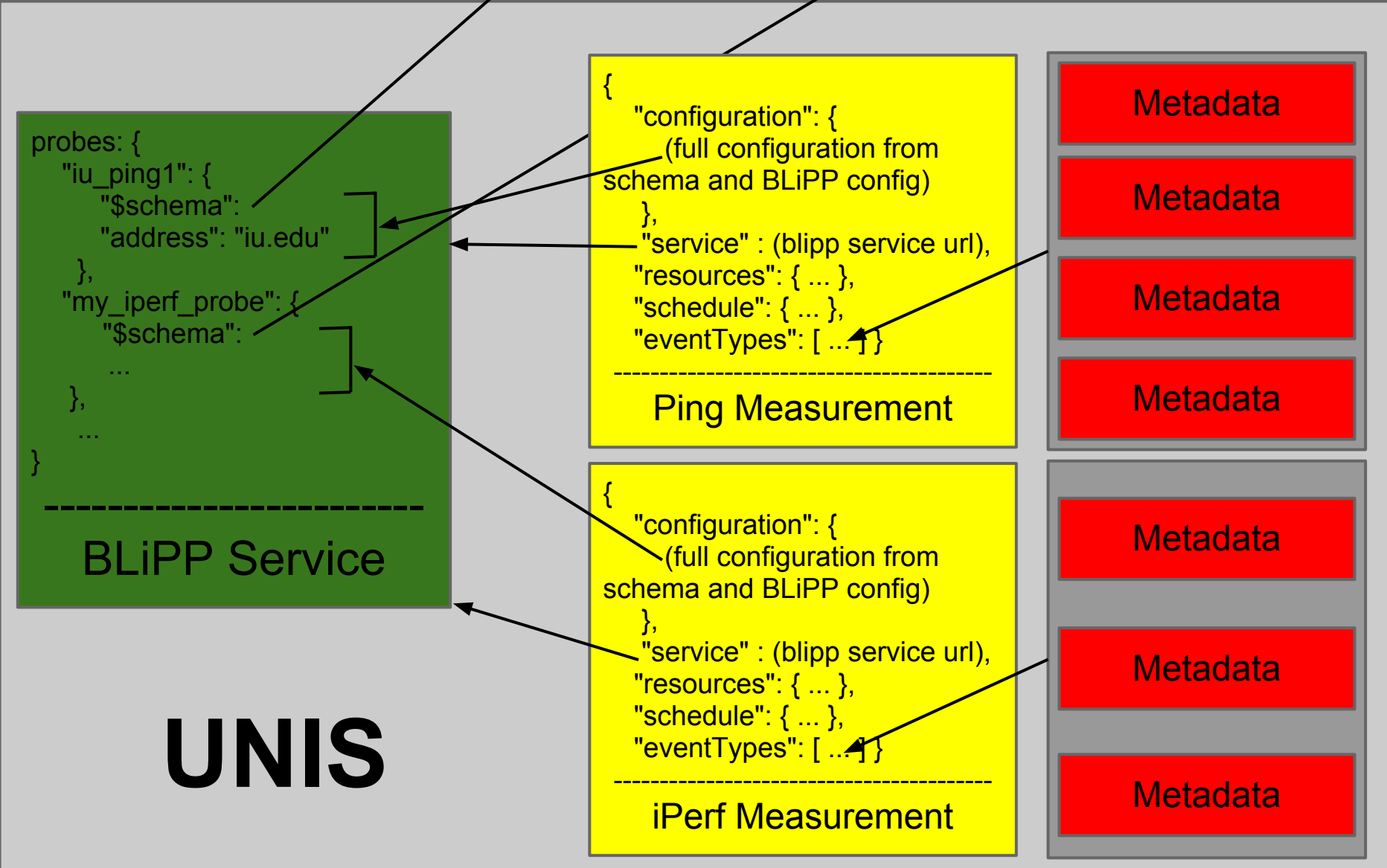
Ping Measurement

```
{  
  "configuration": {  
    (full configuration from  
    schema and BLiPP config)  
  },  
  "service": (blipp service url),  
  "resources": { ... },  
  "schedule": { ... },  
  "eventTypes": [ ... ]  
}
```

iPerf Measurement

- Metadata
- Metadata
- Metadata
- Metadata

- Metadata
- Metadata
- Metadata



Ping Schema

<http://unis.incentre.iu.edu/schema/blippmeasurements/20130429/ping>

BLiPP Conf - Ping Probe highlighted

```
{
  "properties": {
    "configurations": {
      "unis_url": "http://localhost:8888",
      "probe_defaults": {
        "collection_schedule": "builtins.simple",
        "schedule_params": {"every": 5},
        "reporting_params": 4,
        "ms_url": "http://localhost:8888"
      },
    },
    "probes": {
      "ping1": {
        "$schema": "http://unis.incntre.iu.edu/schema/blippmeasurements/20130429/ping",
        "address": "www.google.com"
      },
      "iperf1": {
        "schedule_params": {"every": 30},
        "$schema": "http://unis.incntre.iu.edu/schema/blippmeasurements/20130429/iperf",
        "--client": "localhost"
      },
      "owping1": {
        "schedule_params": {"every": 30},
        "reporting_params": 1,
        "$schema": "http://unis.incntre.iu.edu/schema/blippmeasurements/20130429/owping",
        "testpeer": "localhost"
      }
    }
  }
}
```

Configured/Validated Ping Config

```
"$schema": "http://unis.incntre.iu.edu/schema/blippmeasurements/20130429/ping",
"name": "ping1",
"collection_schedule": "builtins.simple",
"command": "ping -c 1 $-W $-s $-t $-p $-M $-Q $address",
"probe_module": "cmd_line_probe",
"regex": "ttl=(?P<ttl>\\d+).*time=(?P<rtt>\\d+\\.\\.\\d+) ",
"eventTypes": {
  "rtt": "ps:tools:blipp:linux:net:ping:rtt",
  "ttl": "ps:tools:blipp:linux:net:ping:ttl"
},
"schedule_params": {
  "every": 5
},
"reporting_params": 4,
"-W": 2,
"-t": 60,
"-p": "00",
"-s": 56,
"address": "www.google.com"
```

Generated form

Form generated directly from
schema by js library

Schema

Probe Module

Command

Regular Expression

Event Types

Timeout

Packet Size

TTL

Byte pattern

Path MTU Discovery strategy

QOS bits

Host

Submit