



CAMARA
THE TELCO GLOBAL API ALLIANCE

Quality by Design Connectivity Insights

Current ConnectivityInsights APIs



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Connectivity Insights focuses on app sending requirements to Network Operator.

- Packet Loss
- Latency
- Jitter
- Bitrate

Network Operator Replies with yes/no (can we meet these requirements)



Re-using ConnectivityInsights application-profile



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ConnectivityInsights application-profile contains:

- Packet loss
- Latency
- Jitter
- Bitrate

Application Profiles

Operations to define, read and manage an application's thresholds for network quality (latency, jitter, loss, throughput)



POST

/application-profiles

create a profile which represents an application's networking demands.



Define network monitoring intents for optimal end user application experience

Parameters

Try it out

No parameters

Request body **required**

/

List of user-defined network quality thresholds

Example Value | Schema

```
{
  "packetDelayBudget": {
    "value": 12,
    "unit": "Minutes"
  },
  "targetMinDownstreamRate": {
    "value": 10,
    "unit": "bps"
  },
  "targetMinUpstreamRate": {
    "value": 10,
    "unit": "bps"
  },
  "packetlossErrorRate": 3,
  "jitter": {
    "value": 12,
    "unit": "Minutes"
  }
}
```

New ConnectivityInsights API



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- New project that is part of ConnectivityInsights API family
- Existing APIs are one-way
- Provides way for an application to send it's KPIs up to the network operator for analysis
- Endpoint to allow sending APIs
- Async response to get score and root cause/recommended actions