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Session Insights Connectivity Insights

Current Connectivity Insights APIs



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Connectivity Insights focuses on app sending requirements to Network Operator to find out whether or not the network can support them.

- Packet Loss
- Latency
- Jitter
- Bitrate

Network Operator Replies with yes/no (can we meet these requirements). With more transient network situations like on mobile, this works well for an app to know if it will be able to perform.

Session Insights takes this a step further and has the application send it's KPIs to the network operator for analysis.



Re-using ConnectivityInsights application-profile



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ConnectivityInsights application-profile contains:

- Packet loss
- Latency
- Jitter
- Bitrate

Session Insights will re-use this application-profile since it matches up with the KPIs that the application will send to the network operator.

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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- Pitched two options to CAMARA API Backlog on 8/8/2024
 1. Extend existing ConnectivityInsights
 2. New Session Insights API in the ConnectivityInsights API family
- TSC approved #2
 - created sandbox repo of Quality by Design for User Story and rename discussion
 - Rename agreed upon to Session Insights
- Async response to get Session Insightsscore and root cause/recommended actions will use CAMARA cloudevents template