Recursive Monitoring Language in Network Function Virtualization (NFV) Infrastructure

Draft-CAI-NFVRG-recursive-monitor-02

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OVERVIEW

› Motivation:
  - provides an automatic way to decompose/aggregate monitoring data in different infrastructure layers
  - provide a way for developers and operators to easily access monitoring data collected from resources in a software-defined telecom infrastructure that contains a hierarchy of abstraction levels

› Solution proposal:
  - Define a query language based on an extended Datalog syntax
  - Include pre-defined templates for initial metrics examples
UPDATES IN -02

- Alignment with the new RG charter, specifying that the language addresses a need related to real-time properties of VNFs
  - New section 7.3 explaining advanced types of queries, such as TopN and usage for dynamic scaling scenario