

RECURSIVE MONITORING  
LANGUAGE IN NETWORK  
FUNCTION VIRTUALIZATION  
(NFV) INFRASTRUCTURE  
DRAFT-CAI-NFVRG-RECURSIVE-MONITOR-02

NFVRG @ IETF 96 BERLIN

Xuejun Cai  
Catalin Meirosu  
Gregory Mirsky

# 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