List all KPI Definitions

S Tenant1 _ □ ✕

KPI Definitions **KPI Streams** 🔍 Search ⊗ **Create**

KPI Definitions

Traffic by Application	Traffic Summary of top critical applications in my network
Traffic by Source	Traffic Summary by Device Source IP
Traffic by Destination	Traffic Summary by Device Destination IP
WAN Total Traffic	WAN Interface Traffic
Datacenter Traffic	Datacenter Traffic
Datacenter Health Score	Overall Health by Datacenter

Previous 1 2 3 4 5 Next

Configure Utilization KPI Definition Properties

KPI Definition

S · Tenant1

Name

Edge Router Traffic by Location

Description

KPI to track Utilization of critical Interface of edge router in branch locations

Data Source

NetFlow

- ☒ Netflow
- ☐ sFlow
- ☐ SNMP

Window Type

Type	Time Policy	Period (ms)	Size (ms)
Sliding	Event Time	10000	10000
Tumbling	Processing Time		

Group By ☒ location

🔍 Search ⊗

- IN_BYTES
- IN_PKTS
- LOCATION
- PROTOCOL
- IPV4_SRC_ADDR
- IPV4_DST_ADDR

> **KPI Definition Calculation:**
> 1. Type of input source (e.g. Netflow, sFlow)
> 2. Metric and Tags (i.e. static or reference data) as Input for calculation
> 3. Filtering of input data
> 4. Multiple calculation expression based on Metrics and Tags
> 5. Grouping of calculated KPI's

Filters ☒ 'router_type' == 'edge*' (auto-complete)

🔍 router ⊗

- router
- router_type

Calculations

Calculation Name

Utilization_IN

Metrics

🔍 Search ⊗

- IN_BYTES
- IN_PKTS
- SPEED_IN
- PROTOCOL
- IPV4_SRC_ADDR

Tags

🔍 Search ⊗

- INTERFACE_SPEED
- LOCATION

Functions

🔍 Search ⊗

- SUM
- AVG
- MEAN
- PERCENTAGE
- DIV

Expression

PERCENTAGE(DIV(AVG(SPEED _IN), INTERFACE_SPEED)))

Create New Calculation

Utilization KPI Definition Created

KPI Management GUI   S   Tenant1   _ □ ✕

| KPI Definitions | KPI Streams | | 🔍 Search ⊗ | Create |

KPI Definitions

Traffic by Application	Traffic Summary of top critical applications in my network
Traffic by Source	Traffic Summary by Device Source IP
Traffic by Destination	Traffic Summary by Device Destination IP
WAN Total Traffic	WAN Interface Traffic
Datacenter Traffic	Datacenter Traffic
Datacenter Health Score	Overall Health by Datacenter
Edge Router Traffic by Location *(New)*	KPI to track Utilization of critical Interface of edge router in branch locations

Previous 1 2 3 4 5 Next

KPI Management GUI   S   Tenant1   _ □ ✕

| KPI Definitions | KPI Streams | | 🔍 Search ⊗ | Create |

KPI Definitions

Wire KAFKA input endpoint

KPI Stream

S Tenant1

KPI Stream Designer

Input
Kafka

Output
Kafka

MongoDB

HDFS

KPI Definitions
WAN Total Traffic

Traffic by Application

Edge Router Traffic

Deploy ▶

Kafka

Configure KAFKA input endpoint properties

Source

kafka

Service ID

my-kafka-1

Attributes

Group ID

ngx

Bootstrap Servers

10.10.1.2

Topic
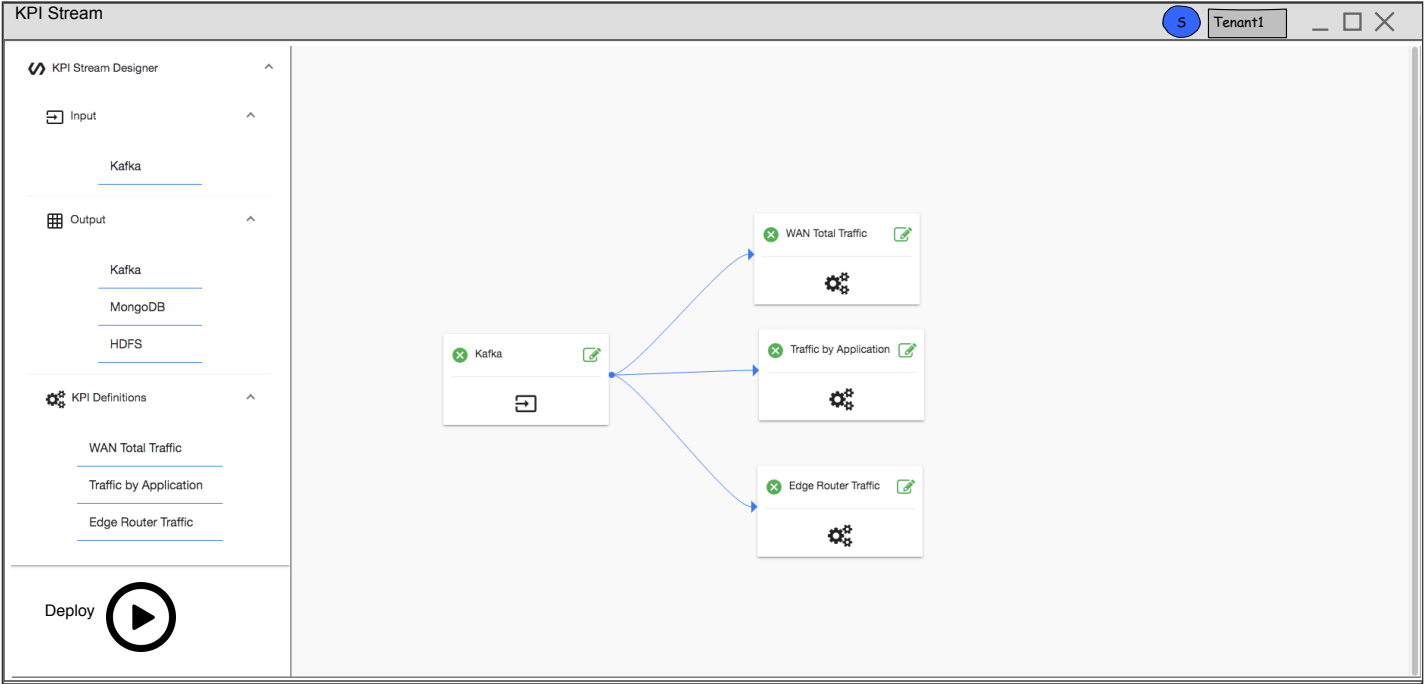
netflow-topic

Formatter   Netflow Formatter

sFlow Formatter

Wire Mutiple KPI's for same input endpoint

KPI Stream   S Tenant1   _ □ ✕

KPI Stream Designer ⌃

Input ⌃

Kafka

Output ⌃

Kafka

MongoDB

HDFS

KPI Definitions ⌃

WAN Total Traffic

Traffic by Application

Edge Router Traffic

Deploy ▶

⊗ WAN Total Traffic ✎
⚙

⊗ Kafka ✎
⊡

⊗ Traffic by Application ✎
⚙

⊗ Edge Router Traffic ✎
⚙

Wire KAFKA and HDFS as output endpoint
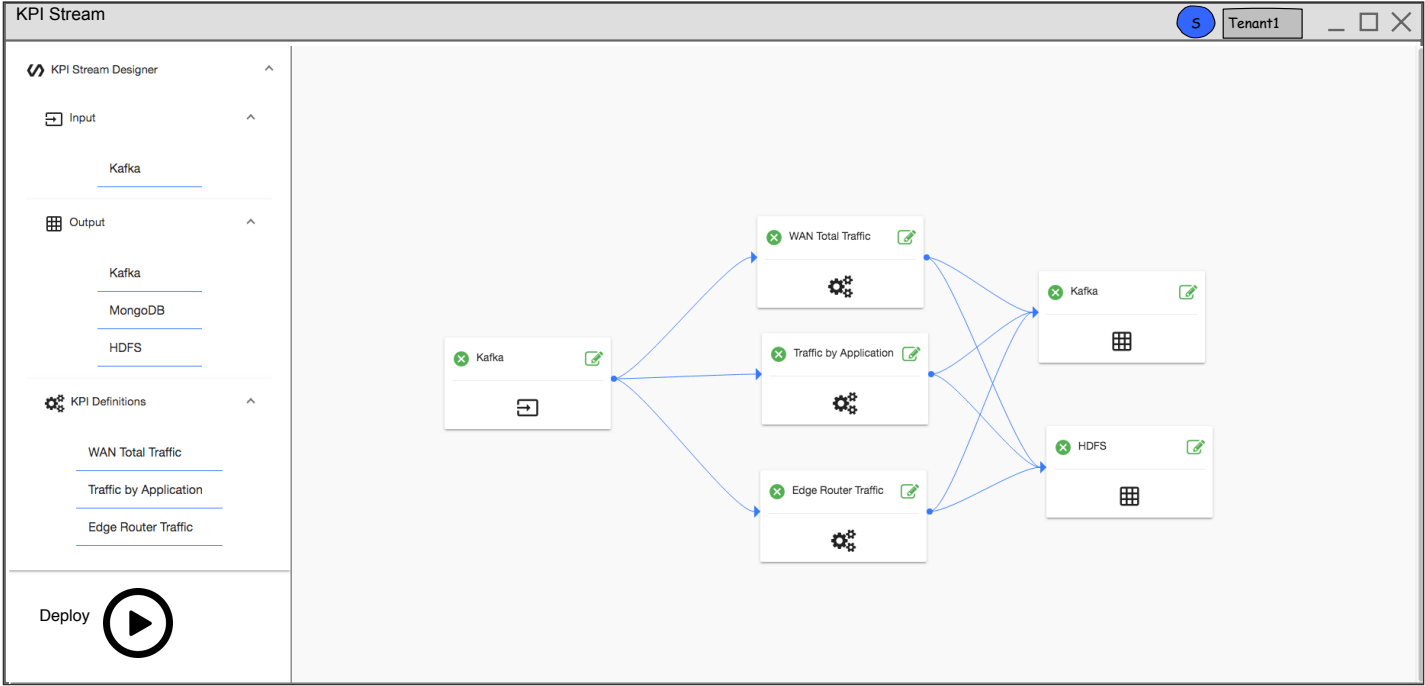
Configure KAFKA output endpoint Properties

Destination

kafka

Attributes

Group ID

ngx

Bootstrap Servers

10.10.1.2

Topic

traffic-kpi-topic

Output Format

Type

JSON Formatter

AVRO Formatter