



Enhancing the Value of Skylight with 3rd Party Integrations

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ACCEDIAN

Agenda



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Skylight overview

2

Get more from your data

3

Sharing insights & control

4

Skylight in your workflows



SKYLIGHT

Skylight Performance Analytics

Actionable insights from the analysis of billions of data points, leveraging AI/ML; analytics & visualization.



Skylight Interceptor NDR

Proactively protect the network from Zero-Day attacks, identify threats that hide deep within the network.



Skylight Services

Cyber Resiliency Services

Skylight sensors

Generating performance data in the most granular, precise and efficient way.



Networks

Skylight sensors adapt to all network topologies and use cases, from core to edge and multi-cloud.



Mobile

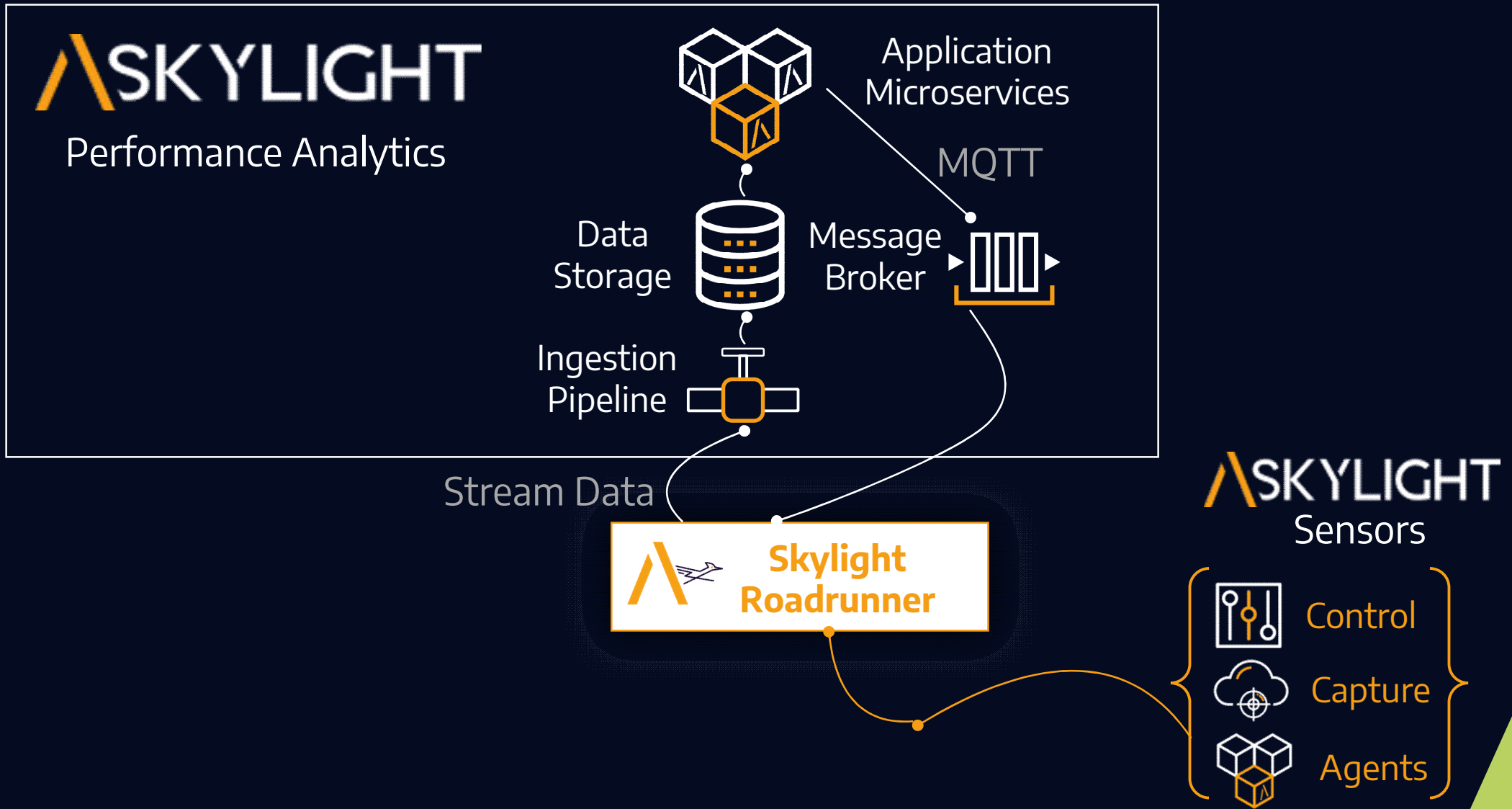


B2B



Hybrid &
Cloud

Architecture Overview



Extended Architecture Overview

SKYLIGHT

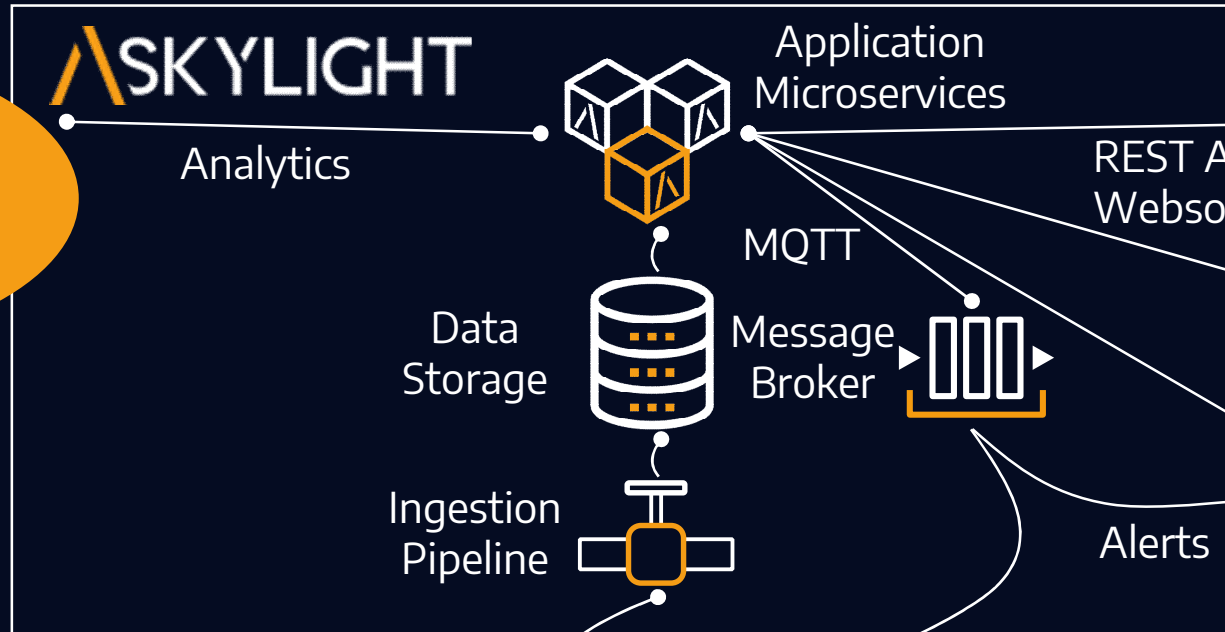
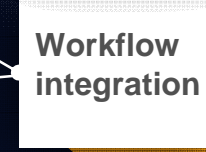


Analytics

Web UI



REST APIs & Websocket



External integrations and dependencies:

- kafka
- GRPC
- {yang}

3rd Party Devices:

- CSV
- SNMP
- Streaming Telemetry

Skylight Roadrunner

SNMP



Customer NMS

SKYLIGHT

Sensors



control



capture



agent



agent SDK

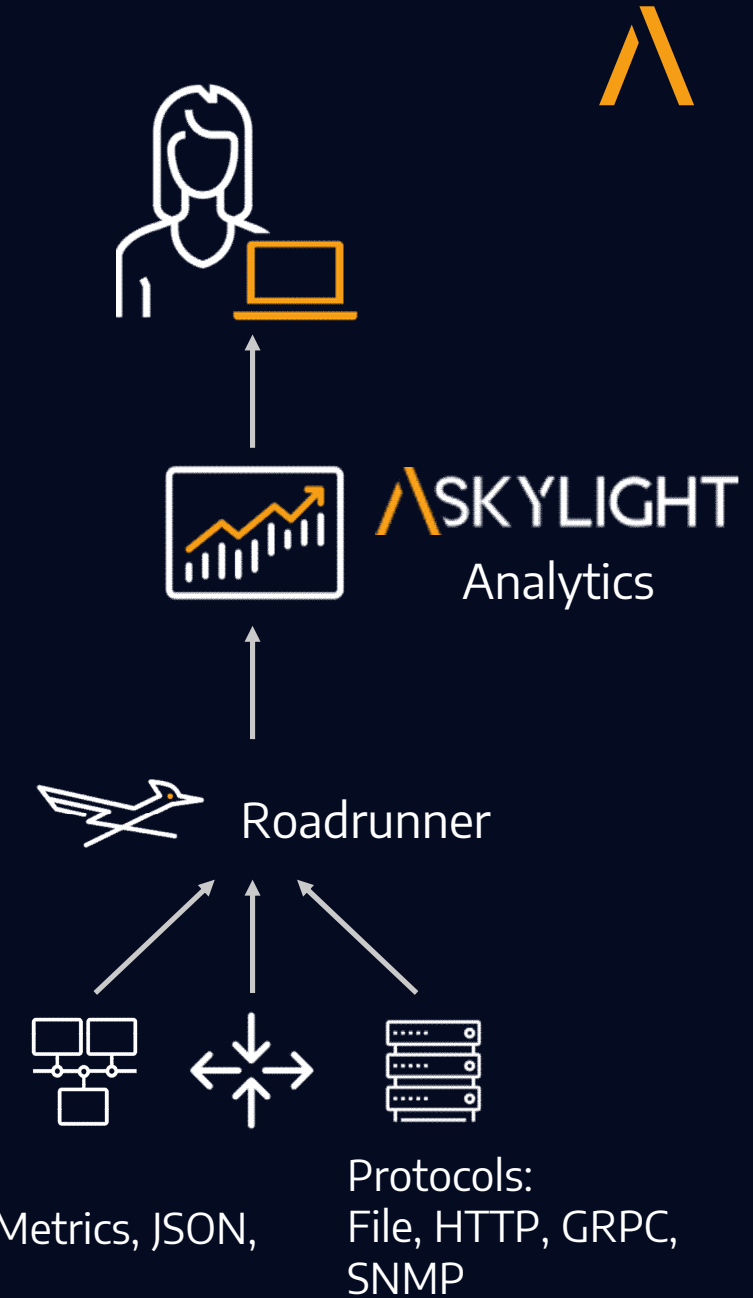
Getting More From Your Data



Additional Data Sources for Enrichment

Bring in more context

- Skylight's own PM data can be made even better by **pulling in 3rd party data** to give operations teams more insight with what infrastructure or application elements are self-reporting
- Leverage the powerful toolset in Skylight for observability and investigation as a **single pane of glass** for Performance Monitoring



Roadrunner with OpenMetrics

Extensible collection service



SKYLIGHT

Sensors



CSV file



FileWatcher

Capture Data

OpenMetrics

Cisco Telemetry
Exporter

Generic or custom
SNMP Exporter

Session Filter

CACHE

Normalized



SKYLIGHT Analytics

3rd party data sources
supporting
Prometheus Exporter

OpenMetrics

JSON via gRPC

Cisco iOS XR
Device

Network Devices
(i.e. Ciena, Cisco,
Juniper)

SNMPv2/v3



Custom Data - Software Development Kits

Methods for agentless or programmatic data retrieval

- Ingestion SDK for “roadrunner”
 - Managing 3rd party data that uses standardized methods
 - OpenMetrics / Telemetry / SNMP

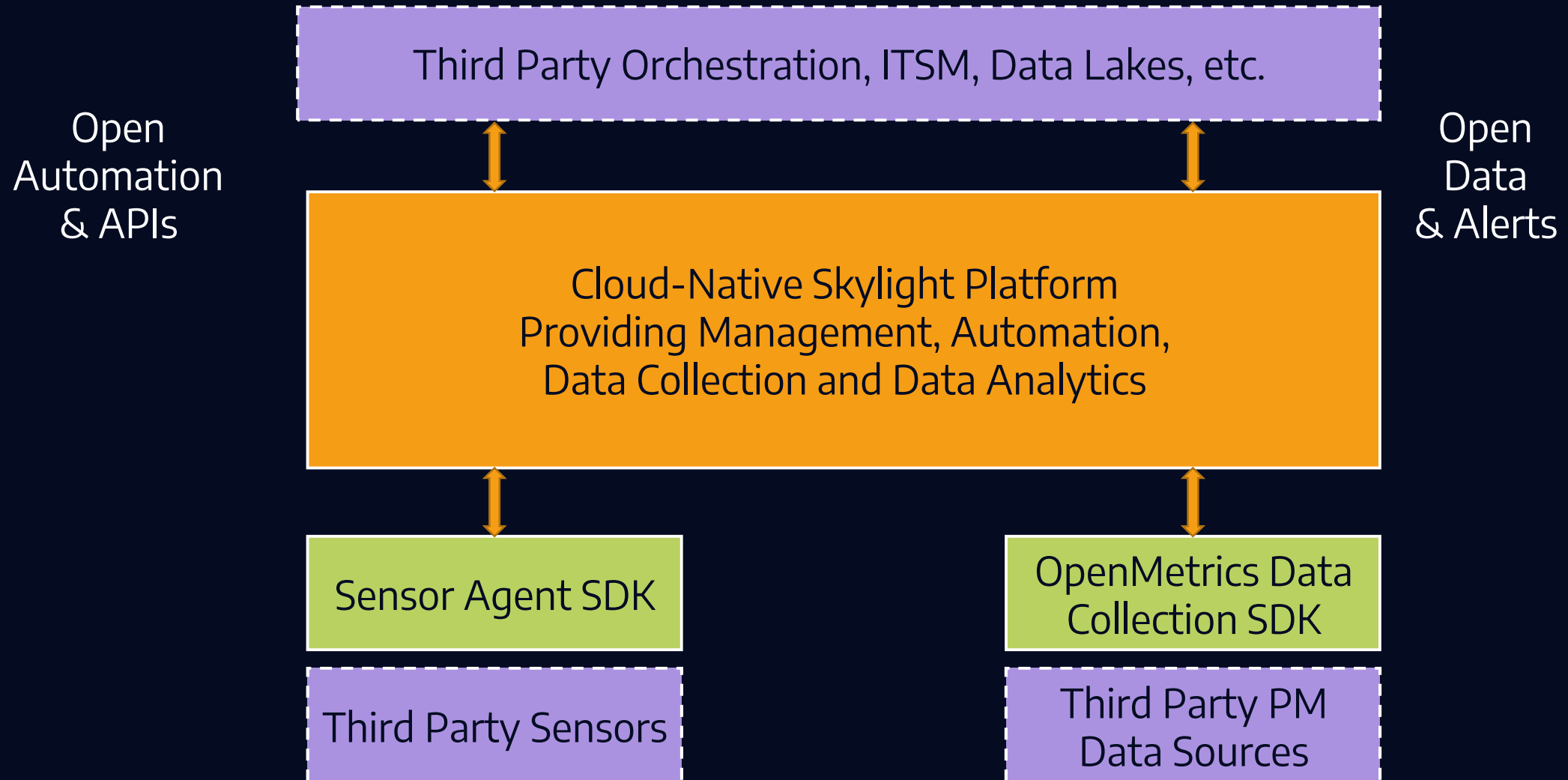


- Active data retrieval using custom sensor SDK container
 - Pulling / Polling metrics off vendor APIs or on-device statistics counters
 - Framework in golang
 - Hooks into Analytics and orchestration engine
- Accedian professional services are ready to help!

A person is seen from behind, walking down a long, narrow corridor. The corridor is filled with glowing blue lines and hexagonal patterns, creating a sense of depth and movement. The person is wearing a light-colored jacket and dark pants. The overall atmosphere is futuristic and technological.

Sharing Your Insights & Control

Automation and Co-operation



Northbound Opportunities with Skylight



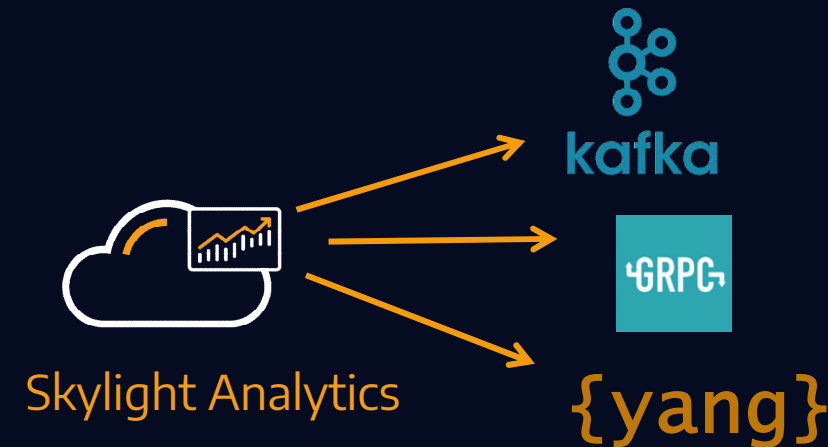
- Sensor and test automation

- REST APIs
- RESTConf YANG APIs



- Data and Event Extraction

- REST APIs
- RESTConf APIs
- gNMI streaming
- Kafka Bus

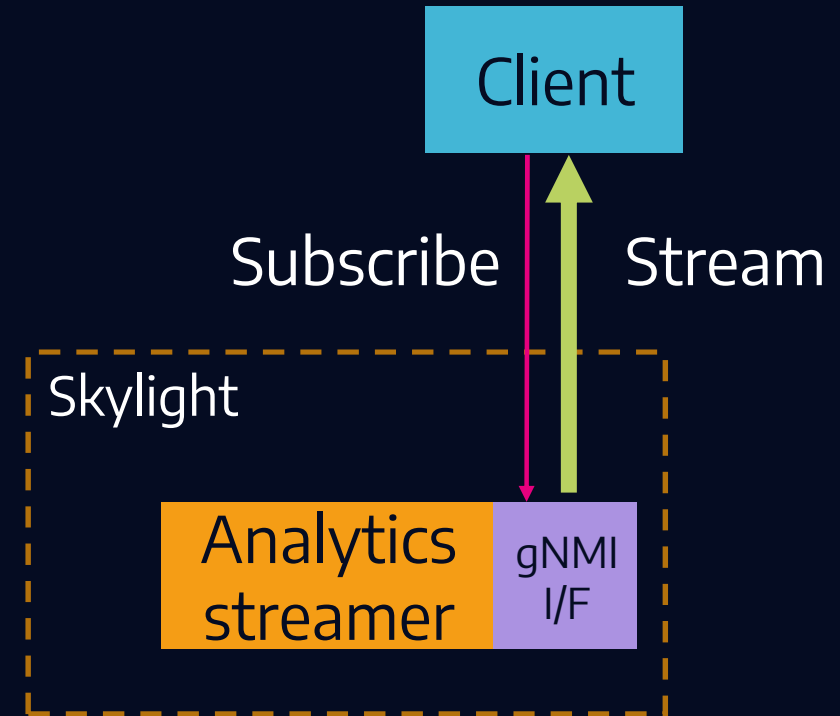




Analytics Streamer

“New” northbound interface

- Intent-based networking platforms want assurance data streamed to them for processing
 - New gNMI option
 - Results are YANG model encoded
 - Initial support for PM data (TWAMP)





Skylight in Your Workflows

Skylight & iPaaS

Fitting in with your integration strategy and improve organizational efficiency



1000+ Integrations available



Automate e2e workflows



Accelerate time to revenue

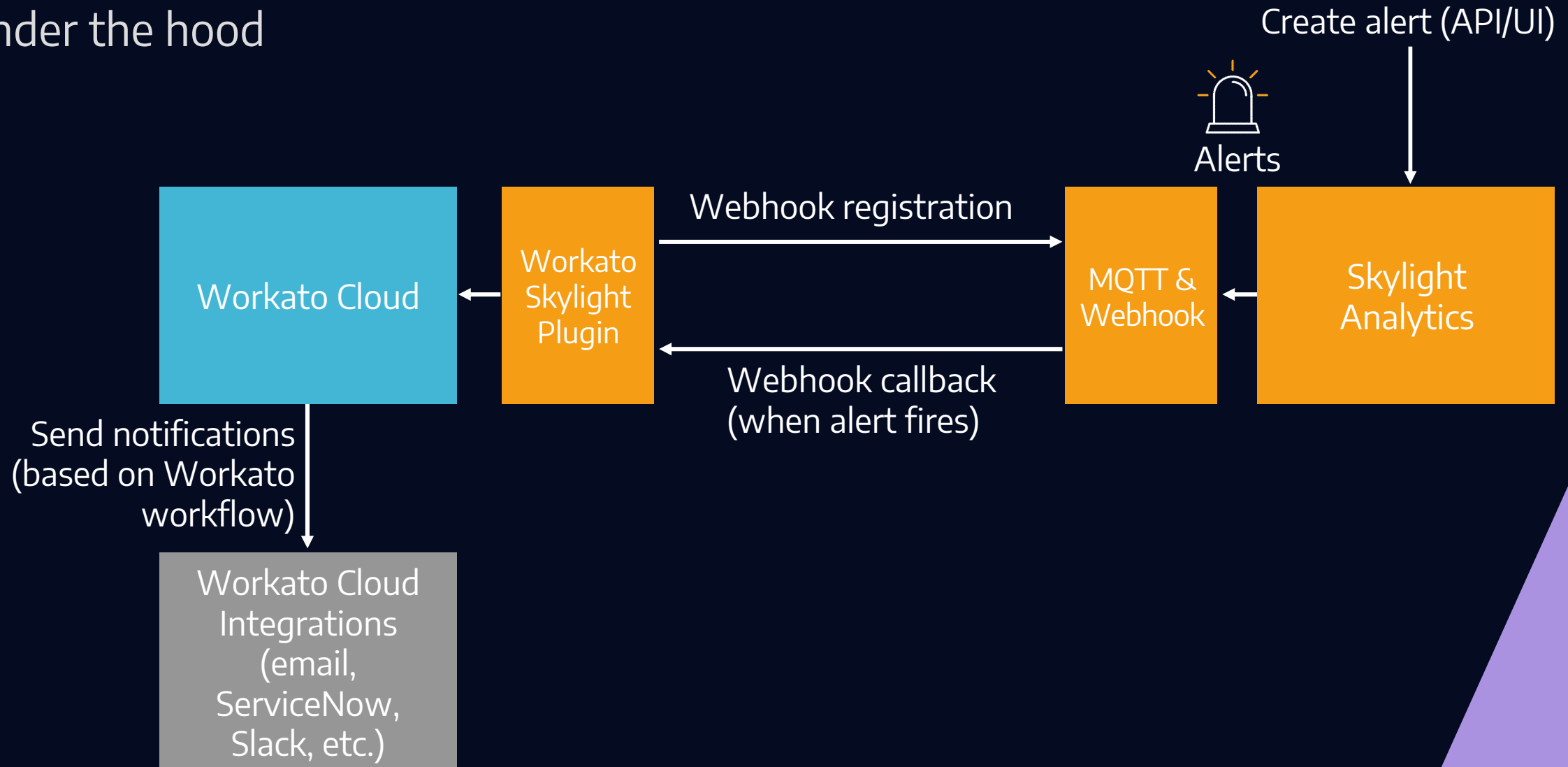


Reduce Capex and Opex



How It Works

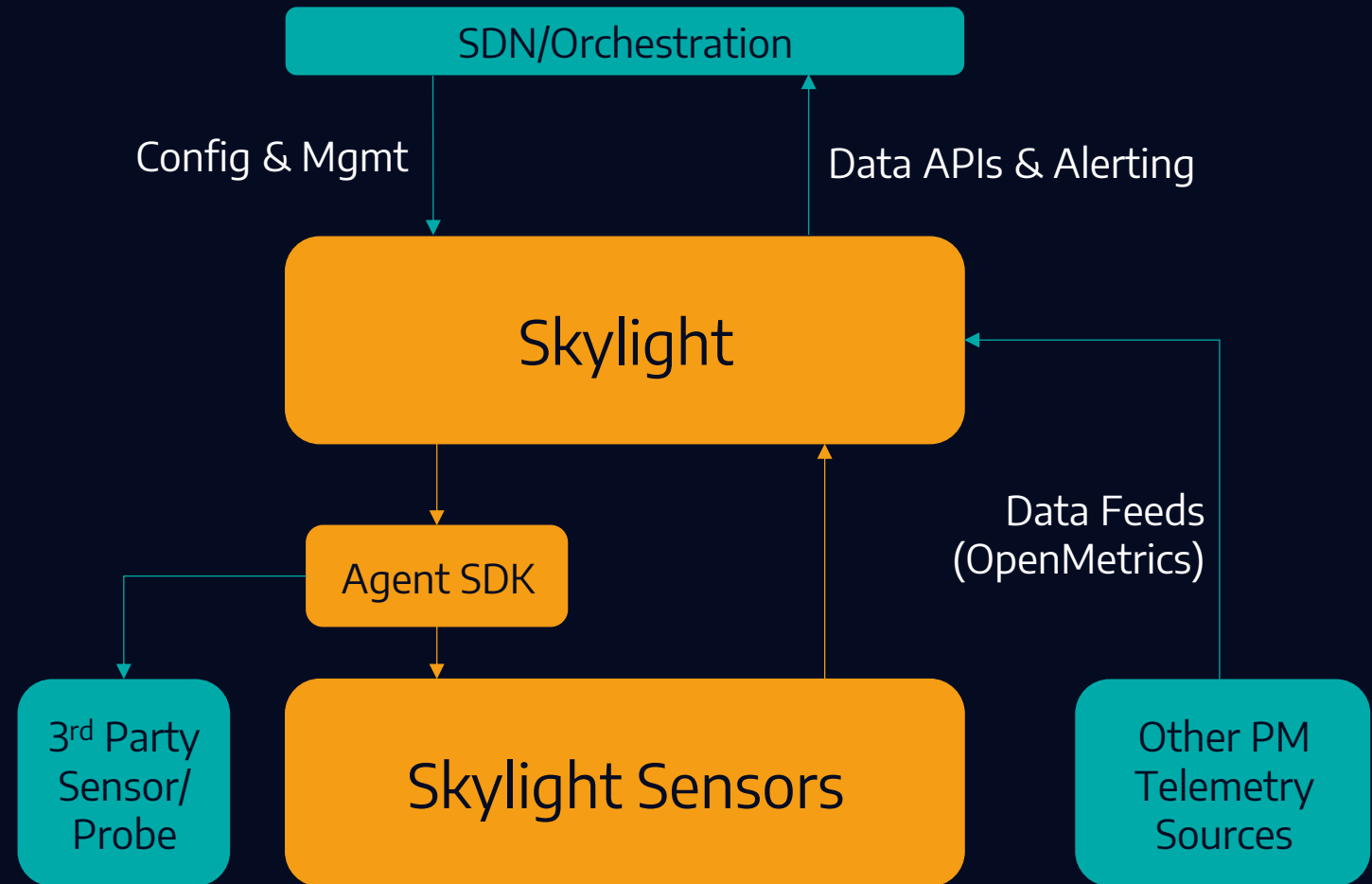
Under the hood



Summary - Skylight: an Open Platform



- **Skylight APIs for Configuration**
 - REST & RESTConf / YANG
- **Skylight Data APIs**
 - REST (pull), PVQL/HTTP (pull)
 - gNMI (push) & future Kafka (push)
- **Skylight Alerting**
 - RESTConf / YANG
 - MQTT, sort of Kafka, SNMP
 - IPaaS for Application Integration (Slack, ServiceNow, JIRA, etc.)
- **Skylight Data Feed**
 - OpenMetrics <https://openmetrics.io/>
- **Skylight Agent SDK**
 - GoLang
- **Skylight Reporting**
 - Mechanism to schedule reporting





Merci!

Additional
questions
and feedback!

