

The Evolution of Data Intelligence with Splunk

From Dashboards to Predictive to Agentic AI

Raman Jain
Principal Platform Solutions Architect

cisco Live !

Cisco Webex App

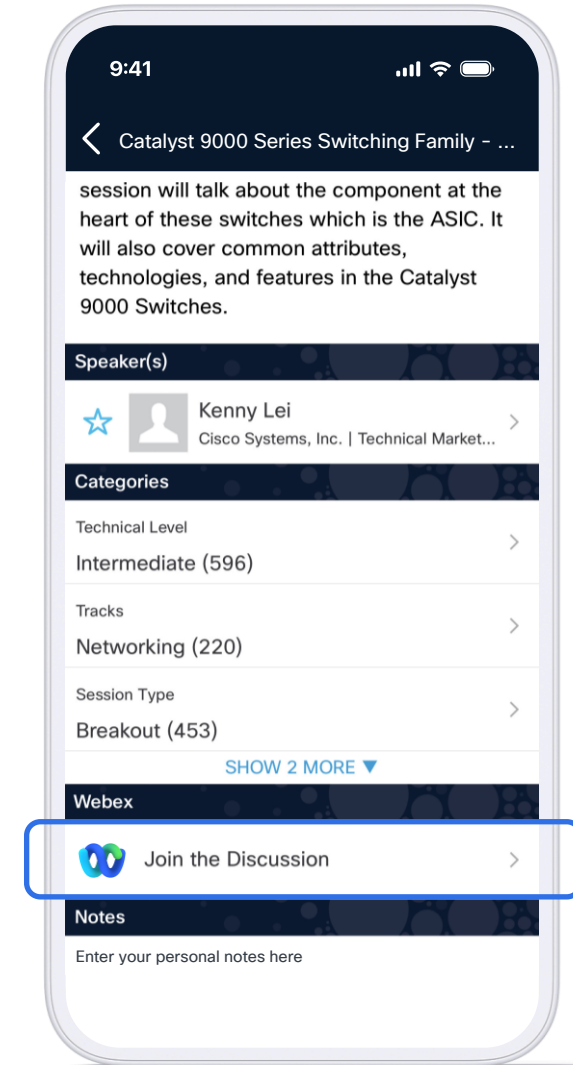
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until 14 November 2025.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKOBS-2549>

Participant Responses Needed

- How many tools do you have in your NOC?
- How many controllers?
- NPMs? Vendors?
- How long it takes to RCA?
- Cross layer data visibility?
- If yes, how long does it take?
- Are you dealing with alarms flooding problem?

**How many of you believe
Agentic AI is “real”?**

Agenda

- 01 **Splunk Data Platform**
- 02 **GDI to Data Management**
- 03 **Reactive Operations**
- 04 **Proactive Operations**
- 05 **Agentic Operations**
- 06 **Cisco Data Fabric**
- 07 **Platform AI Updates**

Splunk turns data into actions by making machine data accessible, usable and valuable

What is Splunk

How do we help

Splunk since 2003 ...





Founded by 3 geeks (Rob, Michael and Erik)

Vision to make a tool to manage massive amount of machine logs as simple as you searching it on a webpage (GOOGLE FOR LOG SEARCH)

Splunk SIEM : Enterprise Security Launched

First premium app was launched to provide advance security data analytics and SIEM



Splunk 1.0 Launched

Splunk launched its first product, Splunk 1.0. It was marketed as a search engine for log files and machine data, enabling users to troubleshoot and monitor their IT systems.

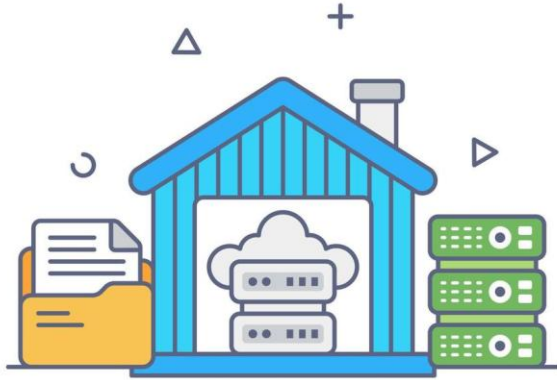
Evolution of product : Splunk 1.0 to Splunk 4.0

- SPL Language for advance analysis
- Index optimisation for scale
- Data manipulation based searches
- Analytics and real time search
- Distributed search
- Splunk app base launch and APPS GENERATION AT SCALE STARTED

Product Evolution & Market Leadership

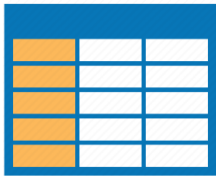
- ITSI Launched
- More than 8 acquisitions made (Phantom, SignalFx, Rocana etc)
- Emerged as technology leader in security, ITOps and o11y
- Splunkbase grown from 400 to 1800 apps
- Reached PB / day scale milestone

Data Classification



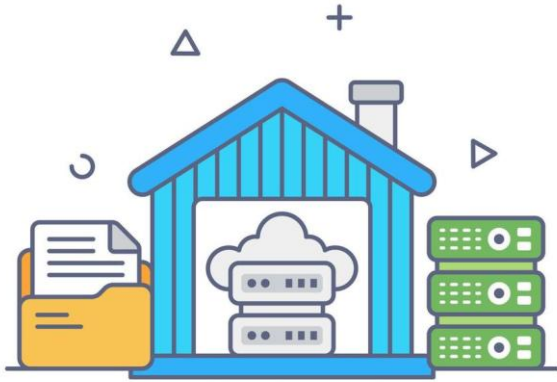
Data Warehouse

- Business
- Reporting



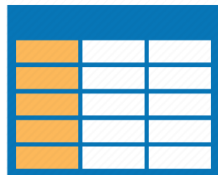
Mostly structured

Data Classification



Data Warehouse

- Business
- Reporting

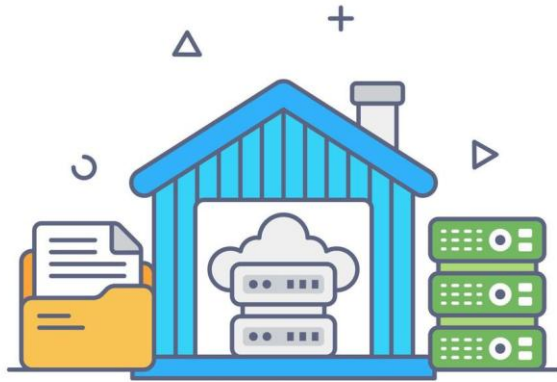


Mostly structured



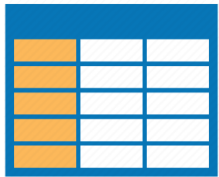
Files and Documents

Data Classification



Data Warehouse

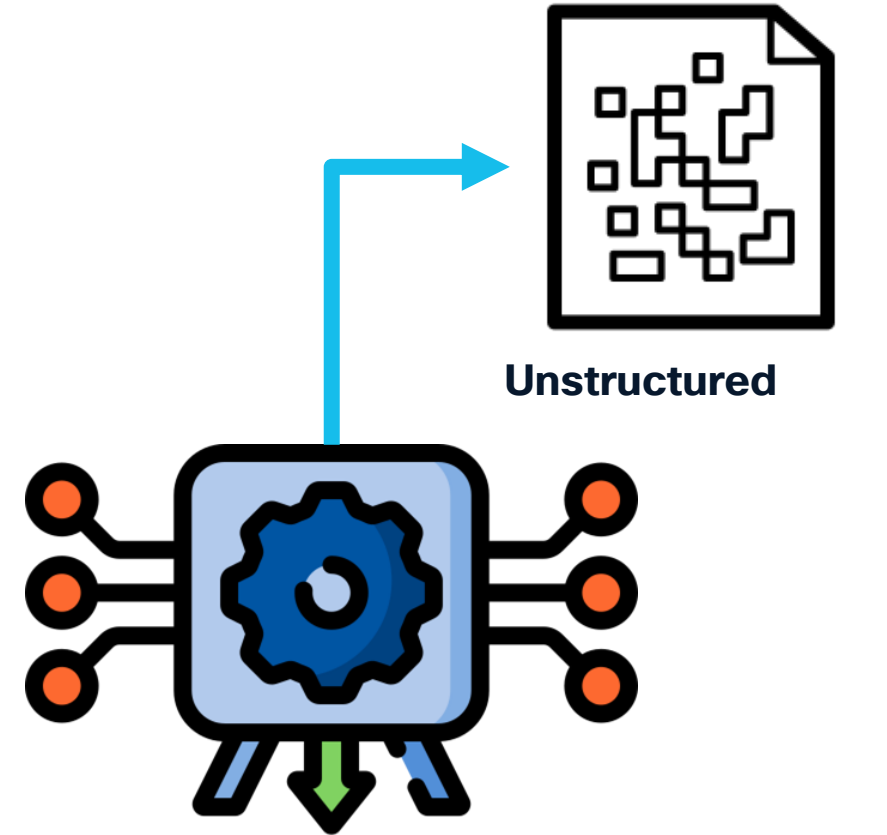
-Business
-Reporting



Mostly structured



Files and Documents



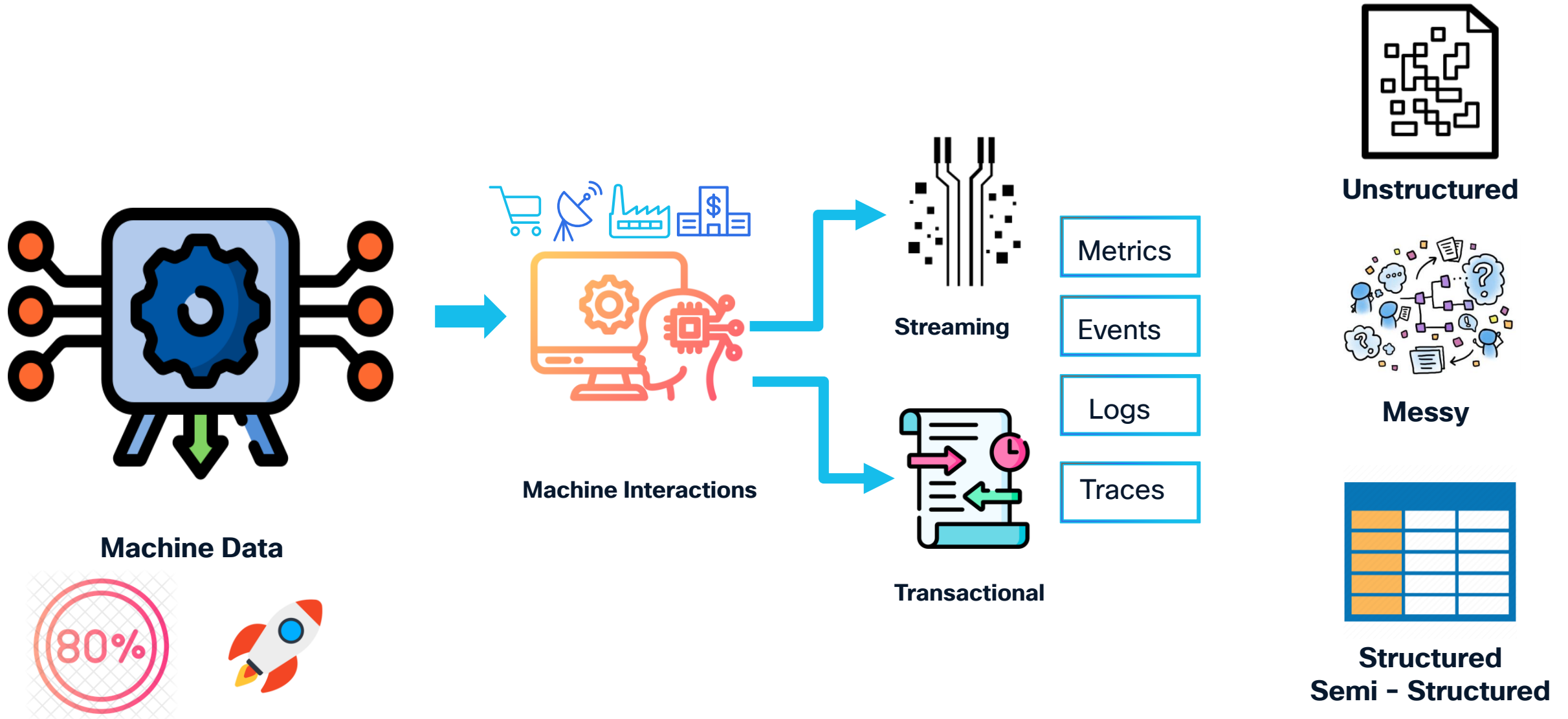
Unstructured

Machine Data

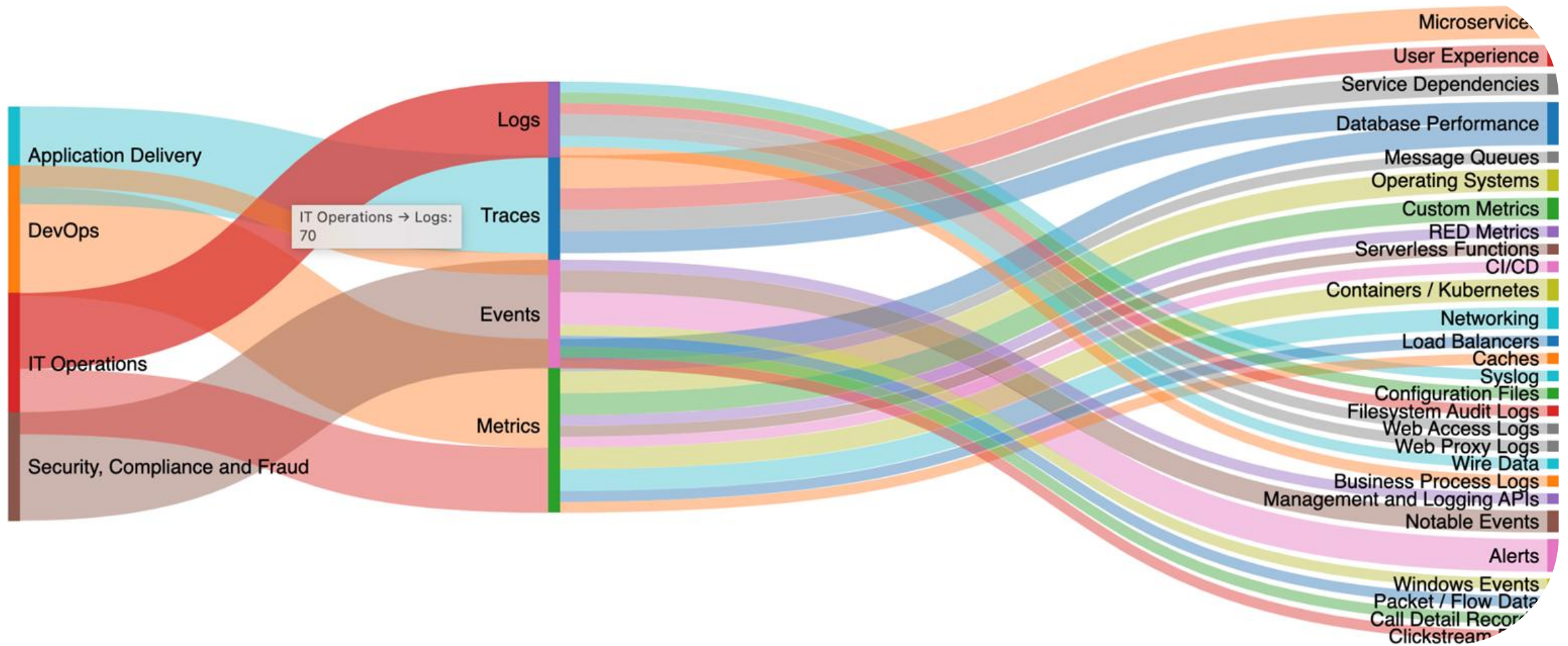


Messy

Machine Data “Valuable Complex Data”



Multiple Use Cases On Common Data



Machine Data is ~~Complex~~ **VALUABLE!**

```
10.2.1.35 64.66.0.20 - - [21/Dec/2021 16:21:51:326103]
"GET /product.screen?product_id=CC-P3-BELKIN-
SILBLKIPH5&JSESSIONID=SD5SL6FF1ADFF9 HTTP 1.1" 503 865
"http://shop.splunktel.com/product.screen?product_id=C
C-P3-BELKIN-BLK_BT00TH_HFREE" "Mozilla/5.0 (Linux; U;
Android 2.3.5; FR-fr; SAMSUNG-SGH-I927
Build/GINGERBREAD) AppleWebKit/533.1 (KHTML, like
Gecko) Version/4.0 Mobile Safari/533.1" 3875
```

Marketing Use Case: Show the top products viewed by region

IP of client

```
10.2.1.35 64.66.0.20 - - [21/Dec/2021 16:21:51:326103]  
"GET /product.screen?product_id=CC-P3-BELKIN-  
H5&JSESSIONID=SD5SL6FF1ADFF9 HTTP 1.1" 503 865  
"http://shop.splunktel.com/product.screen?product_id=C  
C-P3-BELKIN-BLK_BT0OTH_HFREE" "Mozilla/5.0 (Linux; U;  
Android 2.3.5; FR-fr; SAMSUNG-SGH-I927  
Build/GINGERBREAD) AppleWebKit/533.1 (KHTML, like  
Gecko) Version/4.0 Mobile Safari/533.1" 3875
```

Product viewed

Language setting
of browser

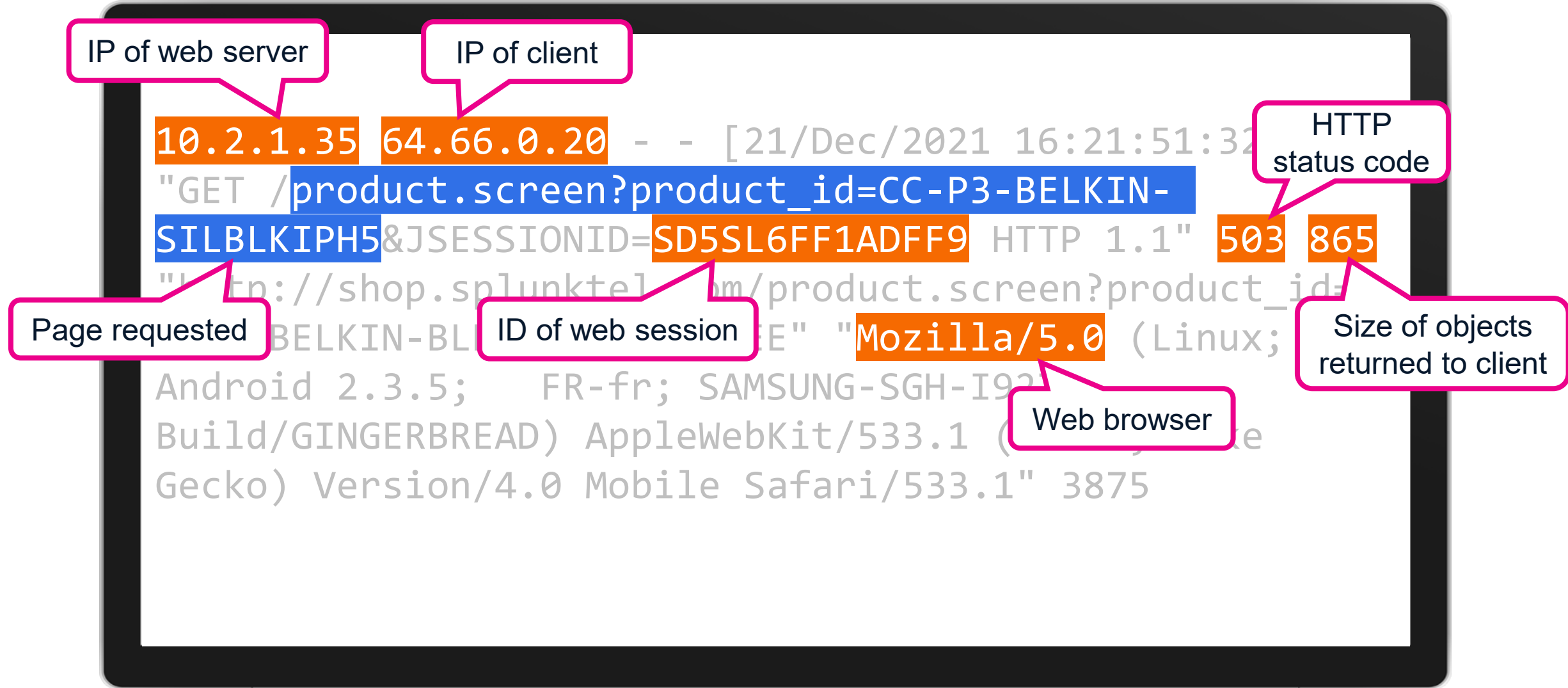
DevOps Use Case: Which mobile handsets should I test the most before releasing my new app?

```
10.2.1.35 64.66.0.20 - - [21/Dec/2021 16:21:51:326103]
"GET /product.screen?product_id=CC-P3-BELKIN-
SILBLKIPH5&JSESSIONID=SD5SL6FF1ADFF9 HTTP 1.1" 503 865
shop.splunktel.com/product.screen?product_id=C
C-P3-BELKIN-BLK_BTTOOTH_HFREE" "Mozilla/5.0 (Linux; U;
Android 2.3.5; FR-fr; SAMSUNG-SGH-I927
Build/GINGERBREAD) AppleWebKit/533.1 (KHTML, like
Gecko) Version/4.0 Mobile Safari/533.1"
```

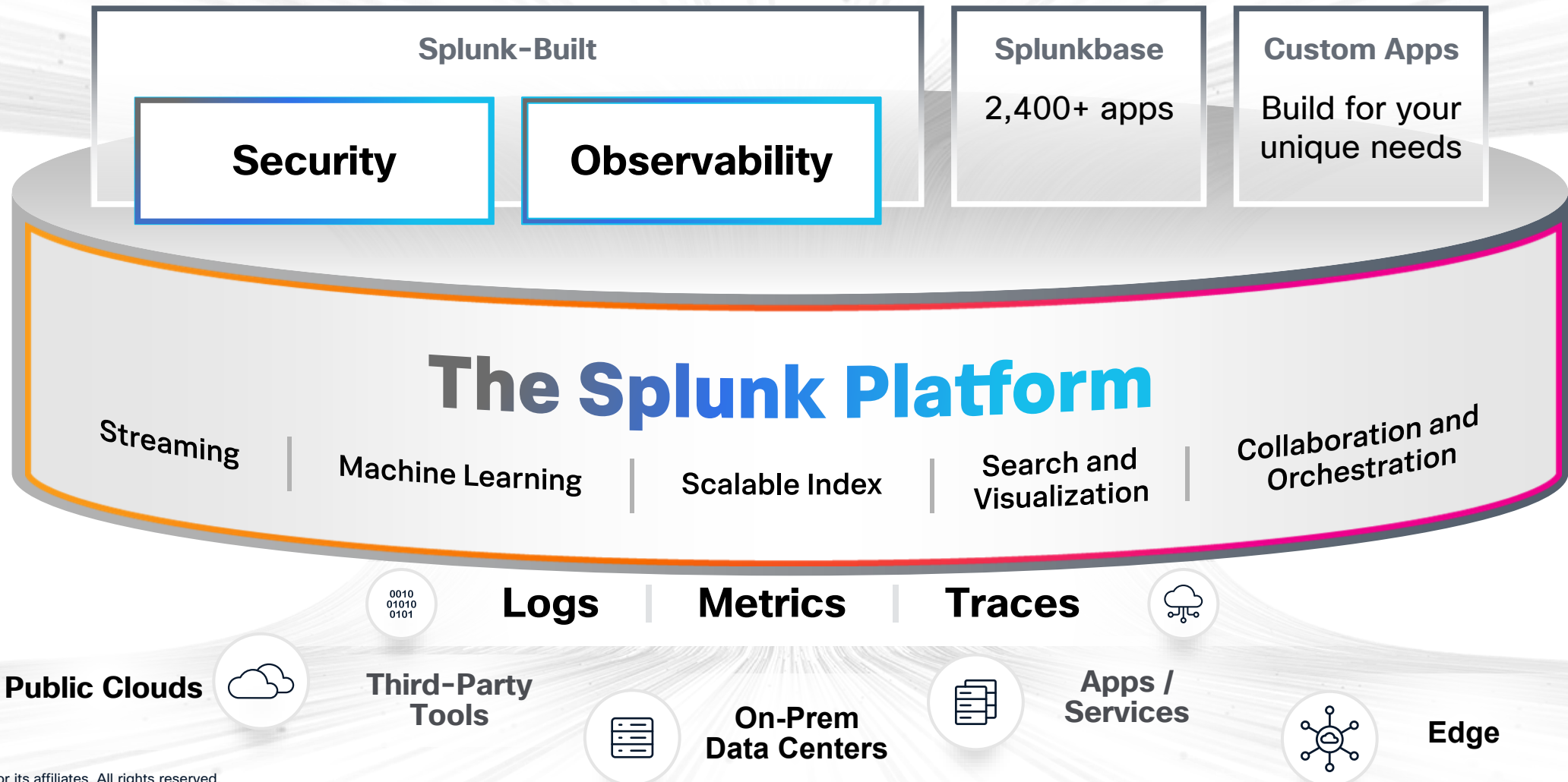
Platform

Handset model

IT Operations Use Case: Which web pages are generating the most errors?



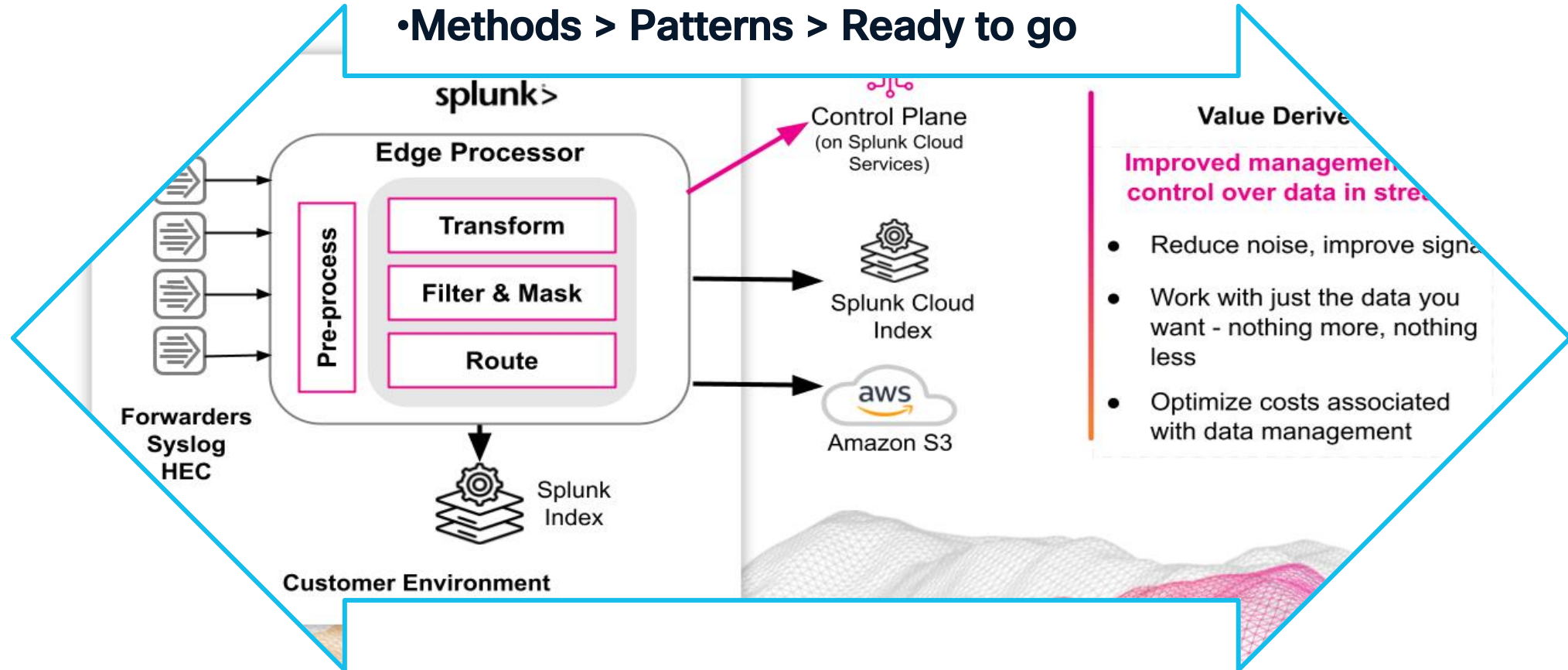
Introducing Splunk Platform



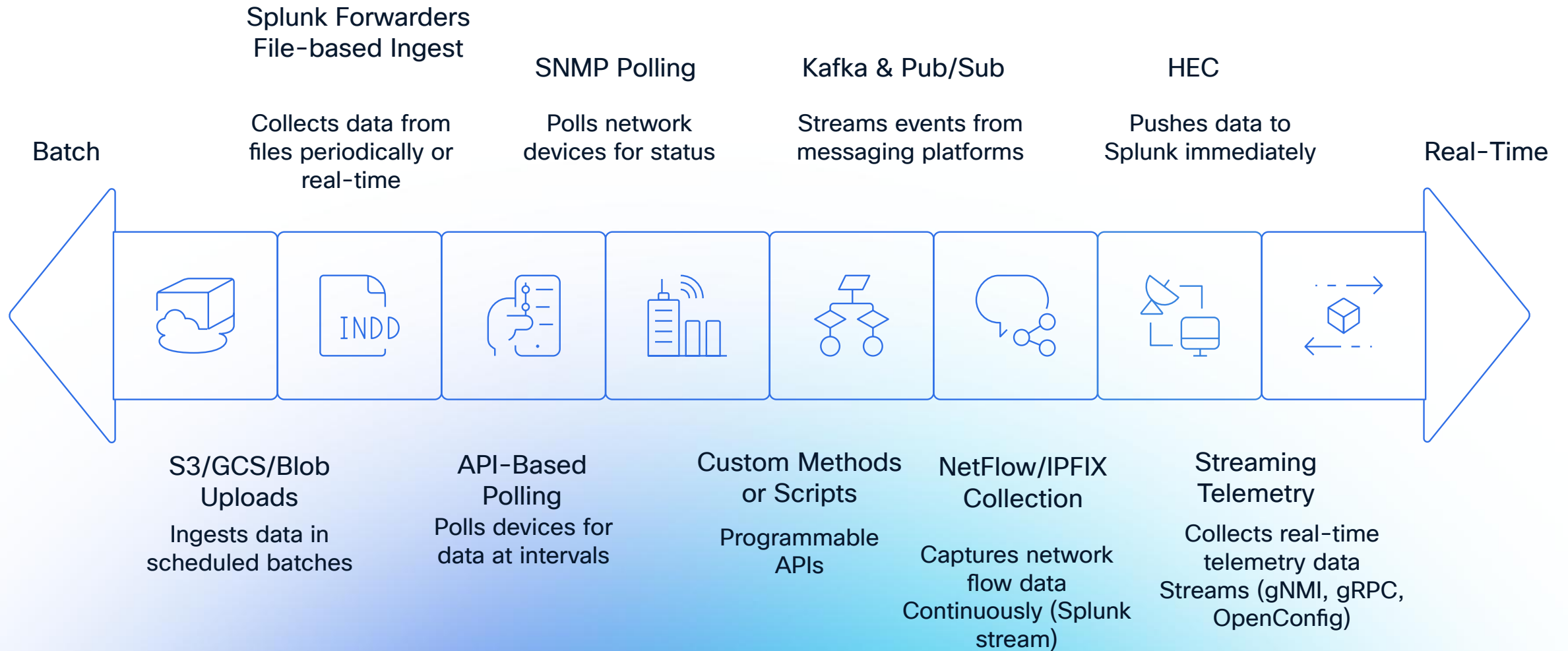
GDI to Data Management

Network Data Collection

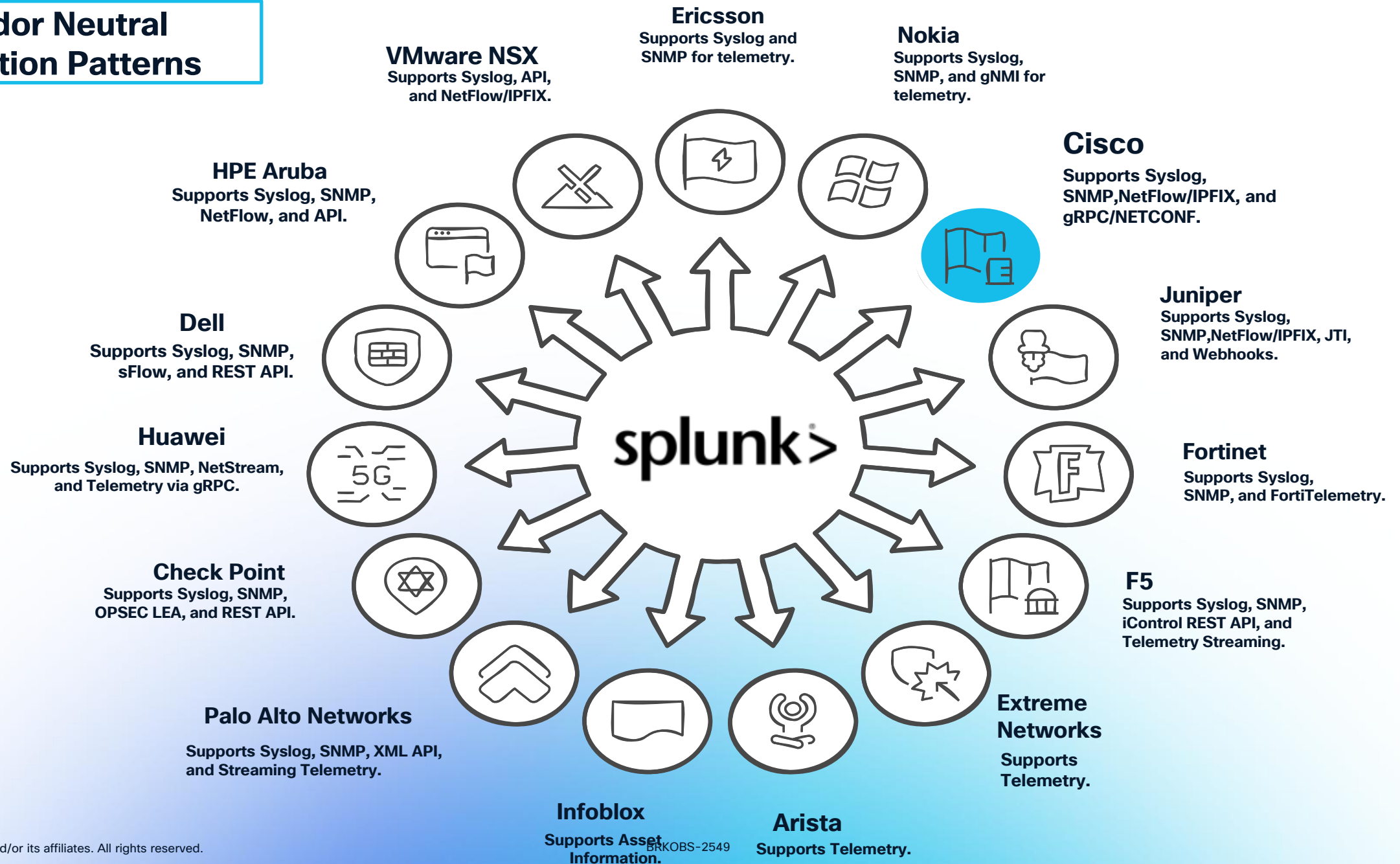
•Methods > Patterns > Ready to go



Network Data Collection Patterns in Splunk



Vendor Neutral Collection Patterns





Cisco TA / Apps / Connectors Landscape

Splunk

TA

- Splunk Add-on for Cisco ASA
- Splunk Add-on for Cisco Identity Services
- Splunk Add-on for Cisco ESA
- Splunk Add-on for Cisco Meraki
- Splunk Add-on for Cisco WSA
- Splunk Add-on for Cisco UCS
- Splunk Add-on for AppDynamics*
- Cisco WebEx Meetings Add-on for Splunk*

App

- Splunk for Cisco Identity Services (ISE)*
- Splunk App for AppDynamics*
- Cisco WebEx Meetings App for Splunk*

Connector

- Cisco ESA
- Cisco Umbrella Investigate
- Cisco Webex
- Cisco ISE
- Cisco Umbrella
- Cisco Firepower

Cisco

TA

- Cisco Secure eStreamer Client Add-On for Splunk
- Cisco ACI Add-on for Splunk Enterprise
- Cisco Nexus 9k Add-on for Splunk Enterprise
- Cisco Endpoint Sec. Analytics (CESA) Add-On
- Cisco SecureX threat response - Custom Search Command
- Cisco SecureX threat response - CESA Relay
- Cisco SD-WAN Add-on for Splunk
- Cisco Threat Grid Add-On
- Cisco Cyber Vision Splunk Add On
- Cisco Network Assurance Engine Add-on for Splunk Enterprise
- Cisco DNA Center Add-on
- Cisco Nexus Dashboard Insights Add-On
- Cisco Catalyst SD-WAN HSL Add-on for Splunk
- Cisco Cloud Security Umbrella Add-on for Splunk*
- Cisco AMP for Endpoints CIM Add-On*
- Cisco Webex Teams Alert Action*
- Cisco Intersight Add-on for Splunk*
- Duo Splunk Connector

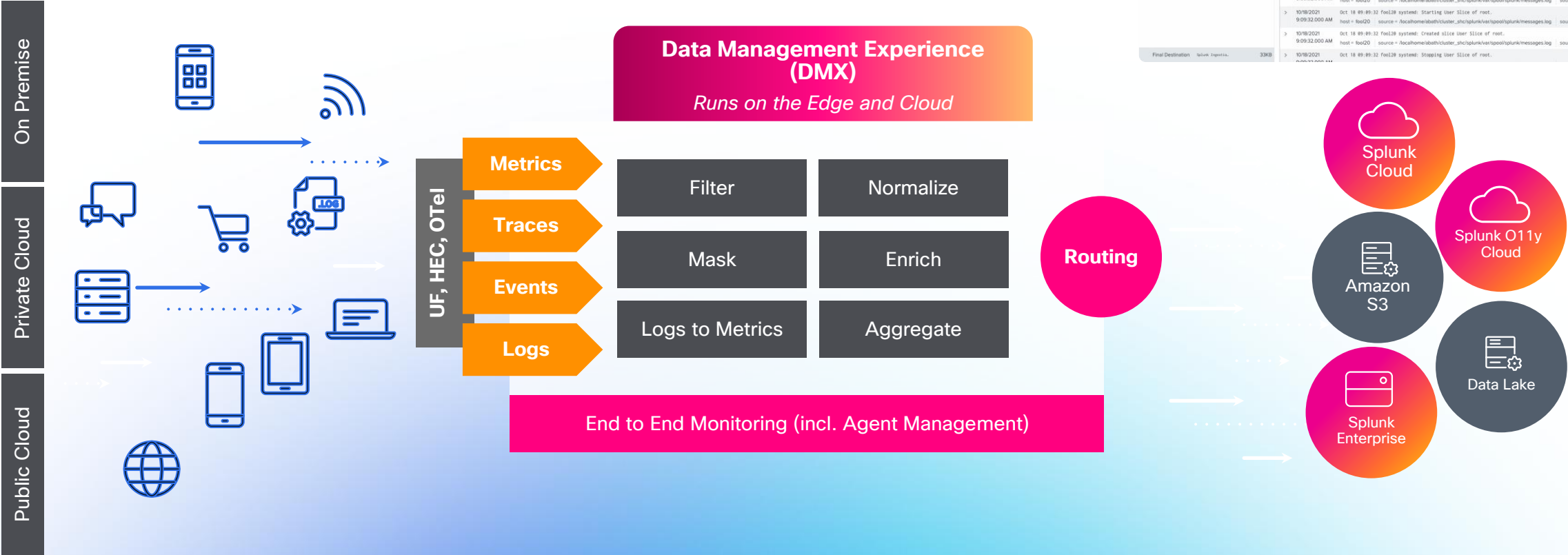
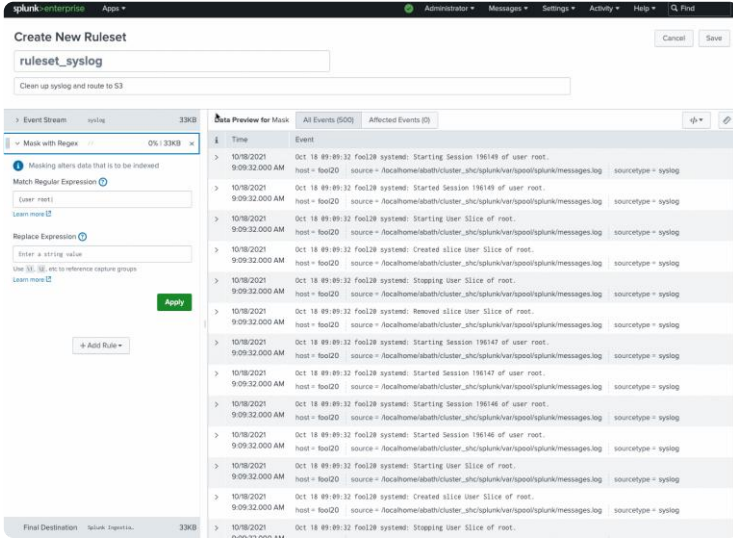
App

- Cisco Secure Firewall App for Splunk
- Cisco Endpoint Security Analytics (CESA)
- Cisco ACI App for Splunk Enterprise
- Cisco Nexus 9k App for Splunk Enterprise
- Cisco Secure Network Analytics (Stealthwatch) App for Splunk Enterprise
- Cisco SD-WAN App for Splunk
- Cisco DNA Center App
- Cisco SecureX threat response - Relay module
- Cisco Cyber Vision Splunk App
- Cisco Network Assurance Engine App for Splunk Enterprise
- Cisco Nexus Dashboard Insights App for Splunk
- Cisco Cloud Security App for Splunk*
- Cisco AMP for Endpoints Events Input*

Plus 30+ more built by 3rd
party communities &
individuals

Data Management

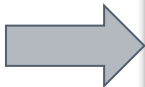
Capabilities to pre-process data in motion



How does it fit into your context

Device Telemetry

```
"telemetry": {
  "node_id_str": "router01",
  "collection_start_time": "2024-11-06T12:00:00Z",
  "collection_end_time": "2024-11-06T12:05:00Z",
  "encoding_path": "Cisco-IOS-XR-infra-statsd-oper:infra-statistics/interfaces/interface",
  "rows": [
    {
      "row_timestamp": "2024-11-06T12:00:01Z",
      "keys": {
        "interface-name": "GigabitEthernet0/0/1"
      },
      "content": {
        "interface": {
          "statistics": {
            "input-packets": 150000,
            "input-bytes": 200000000,
            "output-packets": 145000,
            "output-bytes": 195000000,
            "input-errors": 2,
            "output-errors": 1,
            "crc-errors": 0,
            "packets-dropped": 3,
            "bytes-dropped": 1000,
            "bandwidth-utilization": 65.4, // Percentage
            "cpu-usage": 55.3, // Percentage
            "memory-usage": 72.1 // Percentage
          }
        }
      }
    }
  ]
}
```



Flat Structure

router01,GigabitEthernet0/0/1,150000,200000000,145000,195000000,2,1,0,3,1000,65.4,55.3,72.1

Reduction > 95%, Performance Benefits ~10%



Logs 2 Metrics

Time	DeviceInfo	Metric input packets	Metric : output packets	Metric : discards	Metric : other multi metric
12345678890	device1-eth 0/0/0/1	150000	145000	2	...

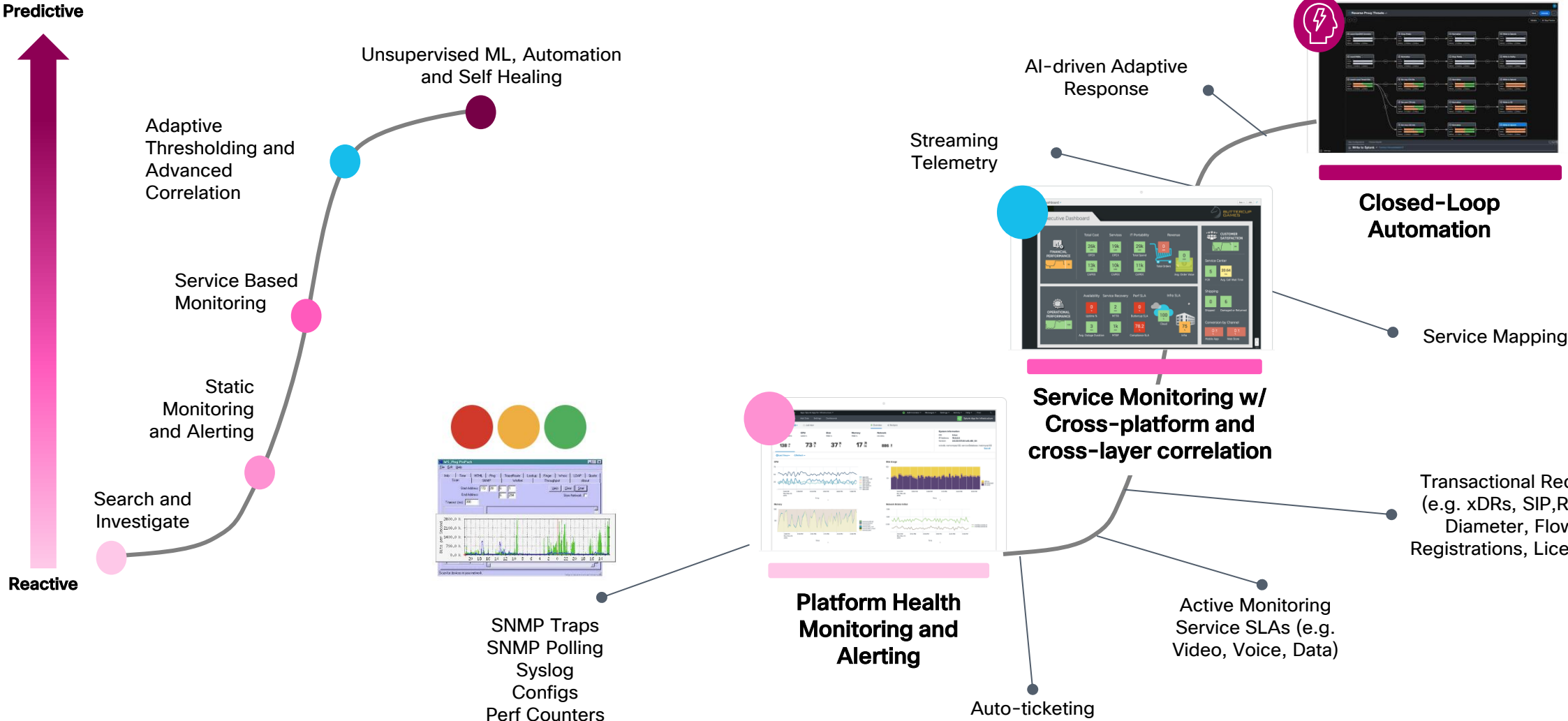
Reduction > 90%, Performance Benefits ~90%

Evolving Network Monitoring

NOC Maturity Model Example

Transforming from NOC to SOC (Service Operation Center)

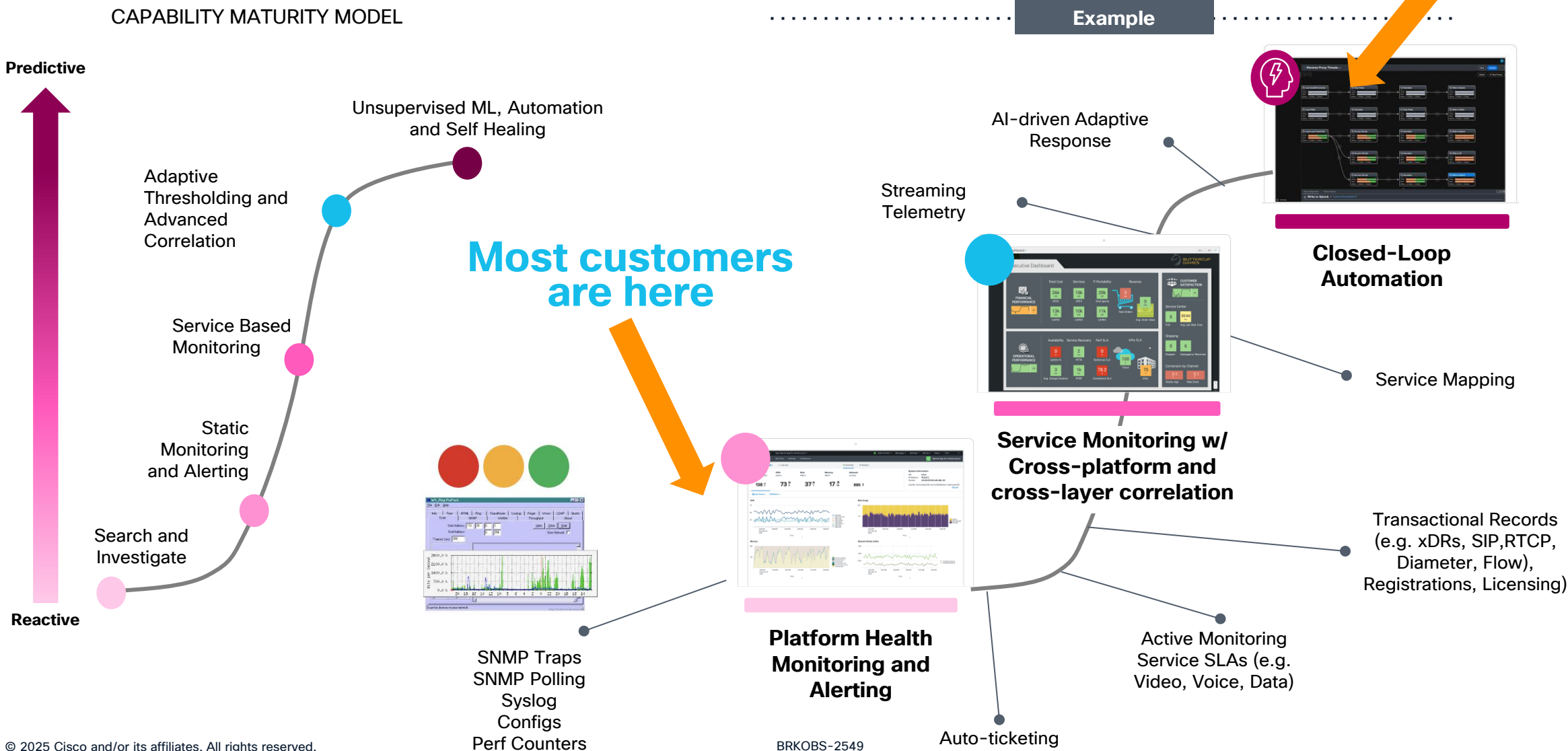
CAPABILITY MATURITY MODEL



NOC Maturity Model Example

Transforming from NOC to SOC (Service Operation Center)

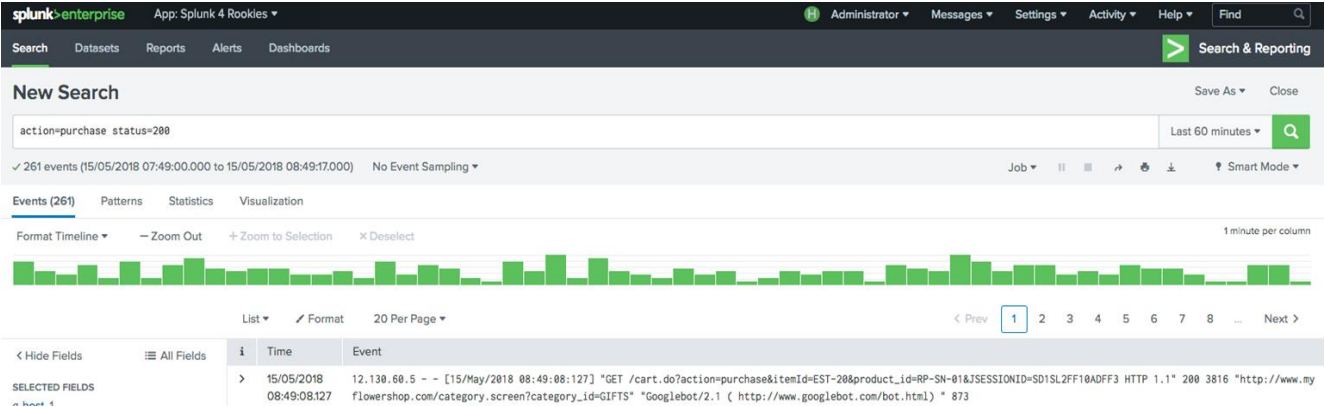
Desire



Data Intelligence

Search >> Report >> Alert

Find "waldo"



Search

index=world name=waldo glasses=yes | eval miles=km*0.62 | stats count by countries

Last 4 hours

Search

Base Search

Retrieves & filters events

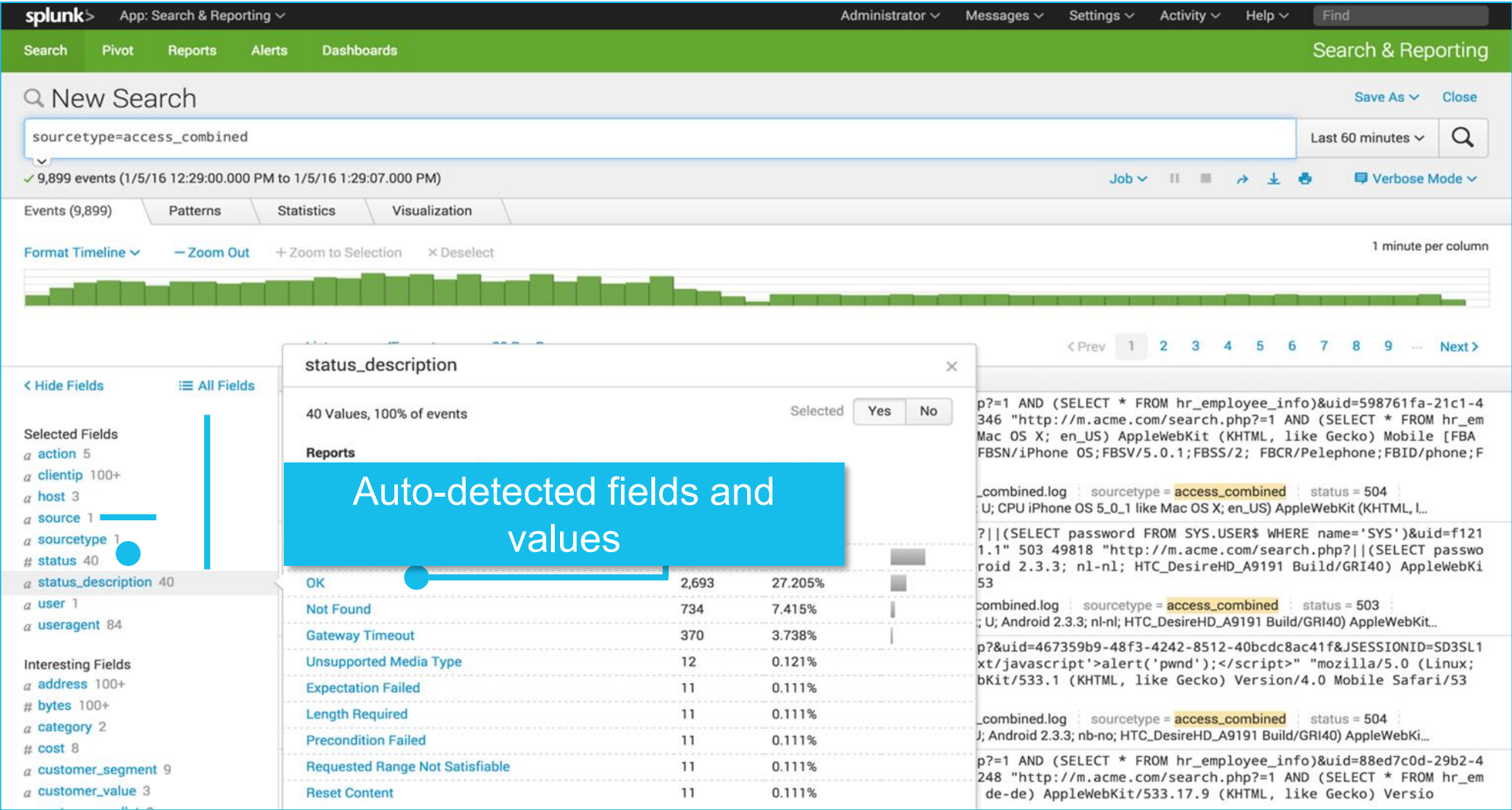
SPL Commands

Evaluate, transform, and format events

Events are retrieved

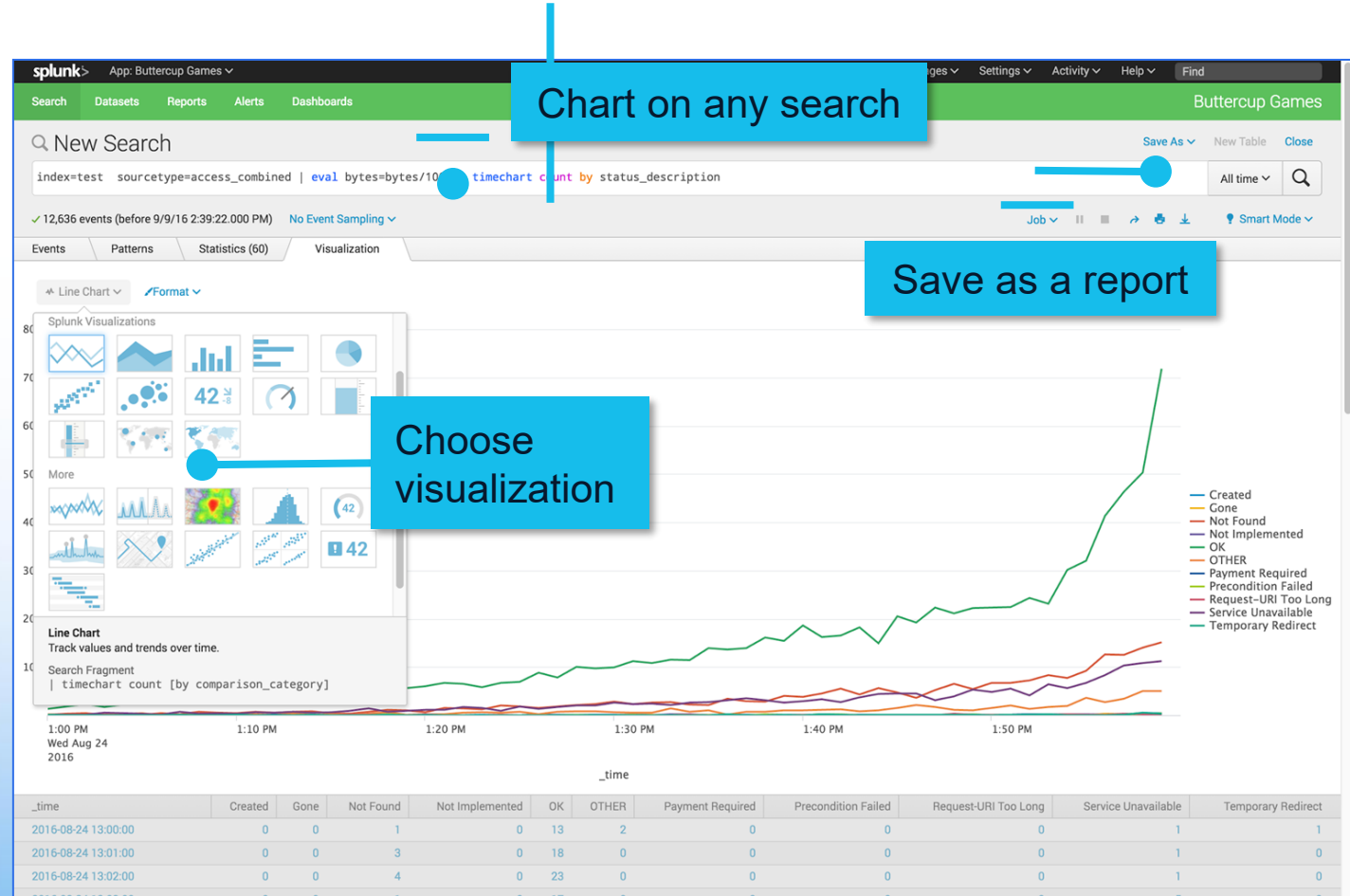
Results move linearly through SPL commands

Schema-on-the-Fly

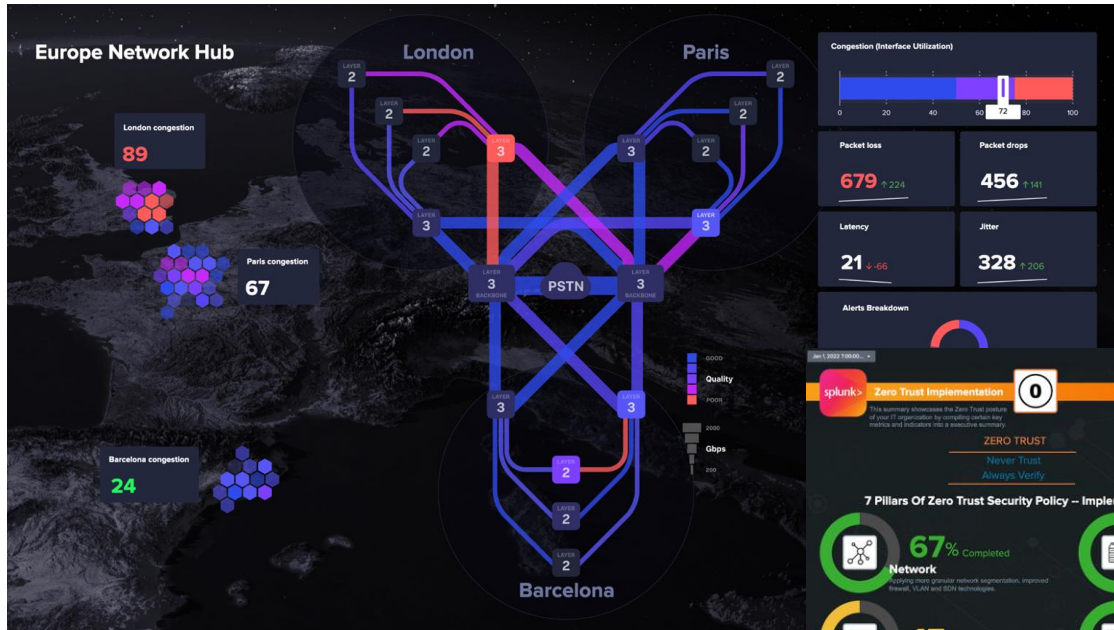


Report Waldo's Vitals

- Reports
 - Visually represent the results of a search
 - Run on an ad hoc basis or save the report to view later
 - Share it with others on the team or a different group
 - Add reports to a new or existing dashboard

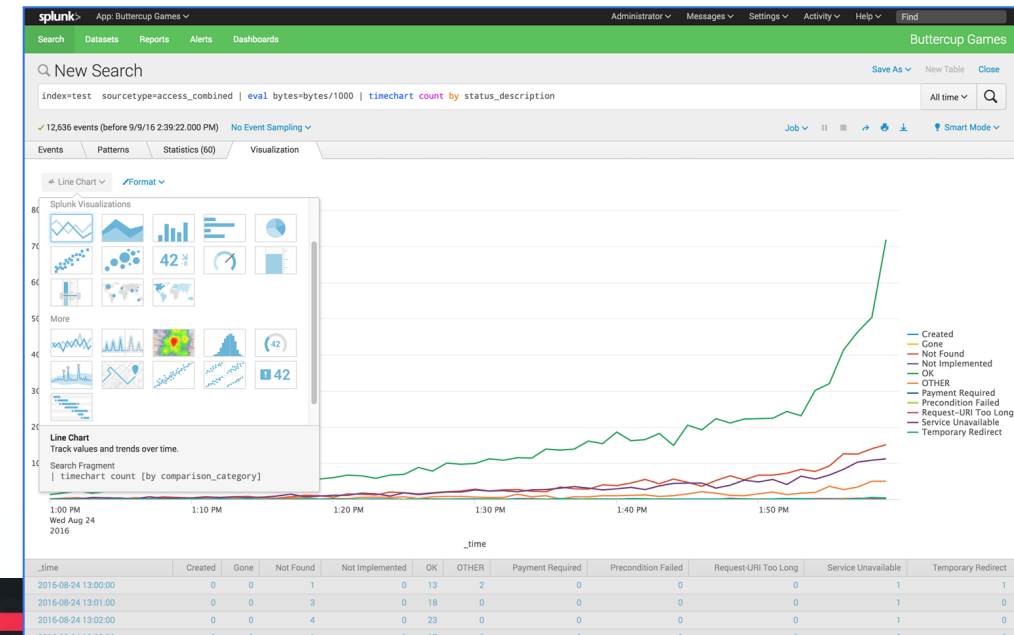


Present Findings to NOC/SOC



Visualize Any Data

- Open framework to create or customize any visual
- Visuals shared via Splunkbase library
- Available for any use: search, dashboards, reports
- Visuals for IT, security, IoT and business analytics



Line Chart

Track values and trends over time.

Search Fragment

| timechart count [by comparison_category]

Actionable Alerting

Alerts

- Create alerts based on any search
- Customize content and format of email alerts
- Trigger a script
- Custom Alert Actions
- Allows packaged integration with third-party applications
- Enable custom workflows
- Developers can build, package and publish alert actions

The screenshot shows the 'Edit Alert' configuration window. At the top, the alert is named 'Alert - Customer download failing'. Under the 'Enable Actions' section, 'List in Triggered Alerts' is disabled, while 'Send Email' is checked. The email configuration includes a 'To' field with the value '\$result.area_code\$.support@splunktel.com;', a 'Priority' dropdown set to 'High', and a 'Subject' field with '\$name\$'. The 'Message' field contains a template: 'The customer with a phone number of \$result.n "\$result.track_name\$" by "\$result.artist_name\$"' followed by a diagnostic link: 'http://wimpy.splunk.com:8999/en-US/app/oidemo/customer_care?form.sourcetypeToken=\$result.mdn\$&earliest=\$job.searchEarliestTime\$&latest=\$job.searchLatestTime\$'. At the bottom, the 'Include' section has checkboxes for 'Link to Alert' (checked), 'Link to Results' (unchecked), 'Search String' (unchecked), 'Inline Table' (unchecked), 'Trigger Condition' (checked), and 'Attach CSV' (unchecked). On the right, a '+ Add Actions' dropdown menu is open, showing options: 'HipChat' (Send HipChat room notifications), 'Run a script' (Invoke a custom script), 'Send email' (Send an email notification to specified recipients), 'ServiceNow' (Create a ticket in ServiceNow), 'Slack' (Send a message to a Slack channel), and 'Webhook' (Generic HTTP POST to a specified URL). 'Cancel' and 'Save' buttons are at the bottom.

Most Frequently Used

Cisco Networks App for Splunk

Splunkbase App

Analyze data from Cisco Switches & Routers (Cisco IOS, IOS XE, IOS XR and NX-OS devices), WLAN Controllers and Access Points, using Splunk® Enterprise & Splunk® Cloud.

- Cisco Catalyst series switches (2960, 3650, 3750, 4500, 6500, 6800, 7600 etc.)
- Cisco ASR - Aggregation Services Routers (900, 1000, 5000, 9000 etc.)
- Cisco ISR - Integrated Services Routers (800, 1900, 2900, 3900, 4451 etc.)
- Cisco Nexus Data Center switches (1000V, 2000, 3000, 4000, 5000, 6000, 7000, 9000 etc.)
- Cisco Carrier Routing System
- Other Cisco IOS based devices (Metro Ethernet, Industrial Ethernet, Blade Switches, Connected Grid etc.)
- Cisco Access Points
- Cisco WLC - WLAN Controller

Type
app

Downloads
72,924

Licensing

Cisco Networks App for Splunk Enterprise

The Cisco Networks App for Splunk Enterprise includes dashboards, data models and logic for analyzing data from Cisco IOS, IOS XE, IOS XR and NX-OS devices, WLAN Controllers and Access Points, using Splunk® Enterprise & Splunk® Cloud.

Login to Download



Latest Version 2.7.4

September 20, 2022

[Release notes](#)

Compatibility

Splunk Enterprise, Splunk Cloud
Platform Version: 9.2, 9.1, 9.0, 8.2, 8.1, 8.0, 7.3
CIM Version: 5.X, 4.X

Rating

4 ★★★★★ (41)
[Log in to rate this app](#)

Support

[Not Supported](#)
[Learn more](#)

Ranking

#16 in
Cisco
#20 in

Summary

Details

Installation

Troubleshooting

Contact

Version History

The Cisco Networks App for Splunk Enterprise includes dashboards, data models and logic for analyzing data from Cisco IOS, IOS XE, IOS XR and NX-OS devices, WLAN Controllers and Access Points, using Splunk® Enterprise & Splunk® Cloud.

To install the Cisco Networks Add-on (TA-cisco_ios) on your search head AND

10, 3750, 4500, 6500, 6800, 7600 etc.)
(900, 1000, 5000, 9000 etc.)
10, 1900, 2900, 3900, 4451 etc.)
2000, 3000, 4000, 5000, 6000, 7000, 9000 etc.)

(met, Industrial Ethernet, Blade Switches, Connected Grid etc.)

Categories

IT Operations, Security, Fraud & Compliance

Created By

Mikael Bjerkeland

Type

app

Downloads

72,924

Cisco Enterprise Networking App

Unified Experience: Single Interface for ISE, SD-WAN, Catalyst Center, Meraki, and ThousandEyes

New Key Addition

Cisco Networking Technical Add-Ons

Catalyst Center



Catalyst SDWAN,



Meraki



ThousandEyes



Cyber Vision



ISE



Networking Dashboard



Examples

- **ISE + SD-WAN:** Unified dashboard for auth
- **Cyber Vision + Catalyst Center:** Correlated threat view
- **Meraki + Catalyst:** network performance and device health
- **Cross-Product Intelligence:** Single data model enabling correlation searches across all products

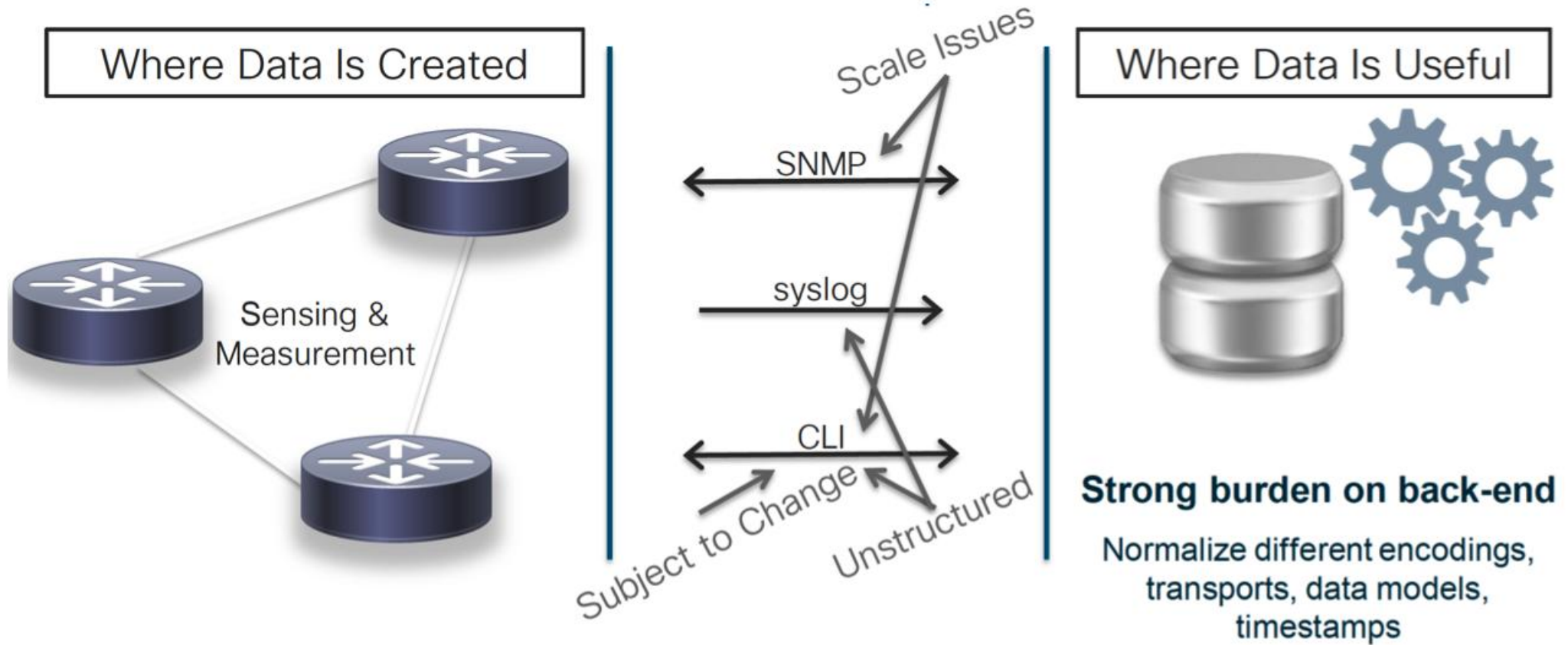
Proactive & Predictive

What do you need?

Full fidelity, contextual and unbiased analytics

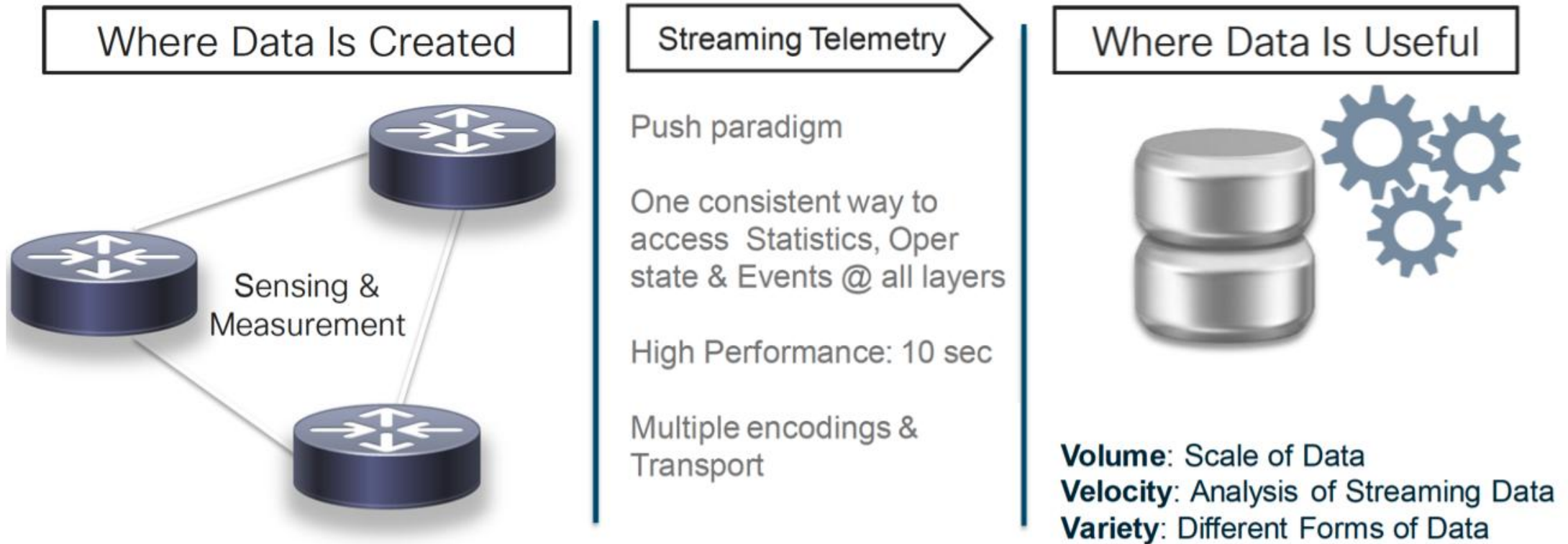
Traditional Monitoring Methods

Mostly **PULL** based

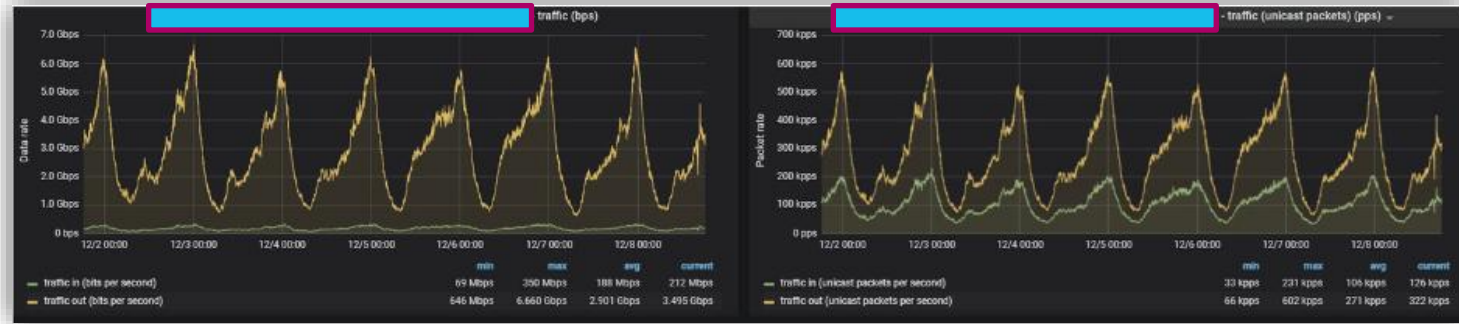
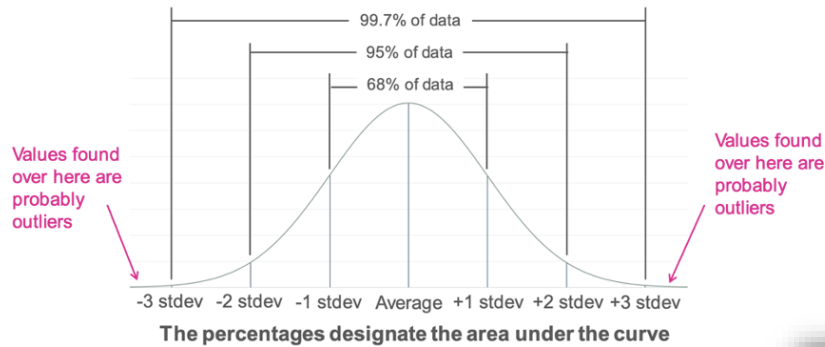


Next Generation Monitoring Methods

Streaming **PUSH** method



ML Pattern Study



Stage 1

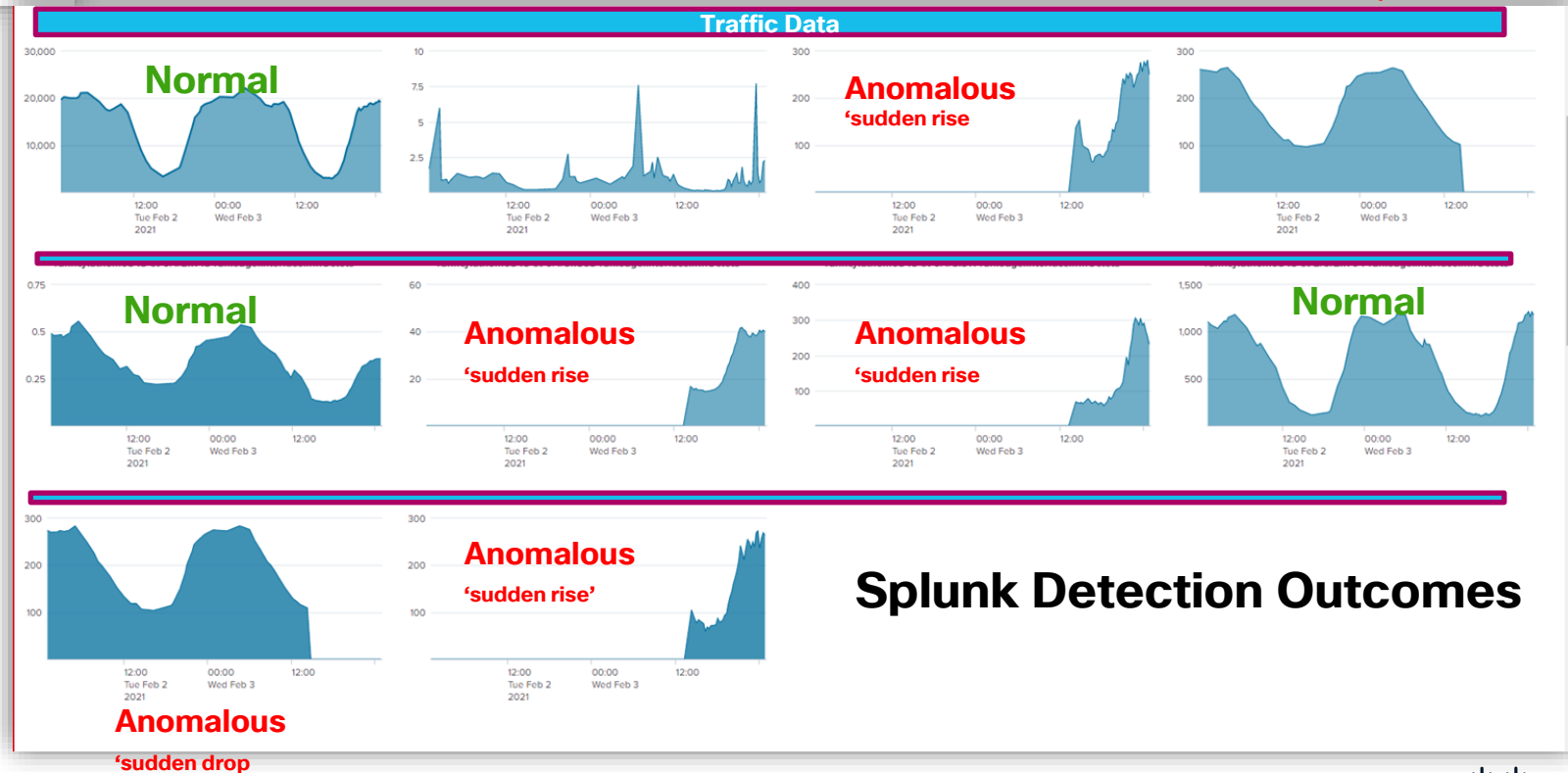
2 weeks ago, we detected
300/600+ devices are
anomalous

(**very high false positives**)

Stage 2

Today post applying rules +
in collaboration with N/W
engineers, we have
reduced it down to 0 to ~30
devices

(**significant reduction in
false positives**)



Splunk Detection Outcomes

Agentic Intelligence

- Predictive and Preventive

A simple analogy...

Think of an autonomous network using agentic AI as a living, intelligent human

The seat of cognition – reasoning, understanding, making decisions : The Brain → LLMs → Customer or Vendor provided (Ex: Cisco Deep network model) + (Splunk Time Series Foundation Model - coming Nov 25)

The Food → Splunk

Splunk supplies the brain with high-quality, well-prepared data – **less noise, detection rich signals** – fuelling thought and decision-making.

The Nervous System's Memory & Associations → Knowledge Graphs → Customer or Vendor Provided

A map of all known entities and their relationships, letting the brain instantly connect new information to past knowledge.

Splunk's Extra Role

Splunk doesn't just feed the brain; it also *curates and organizes* that data so it fits seamlessly into the knowledge graph and **power up agentic RAG and ontologies**. It's like both the chef preparing the food and the **librarian cataloguing it**, ensuring the brain can not only consume information but also place it in the right mental “shelf” for quick retrieval later.

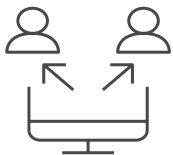
The Muscles & Limbs → AI Agents' Actions → Cisco Foresight/ AI Canvas (or LangGraph etc)

Carrying out the brain's decisions – executing tasks, triggering changes, and acting on the world.

A simple analogy...

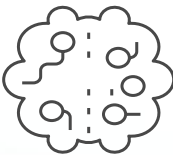


An Intelligent Agent



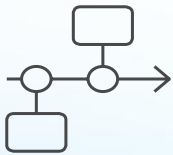
Perception (Chef - Food)

Focus on collecting and understanding environmental data from various sources.



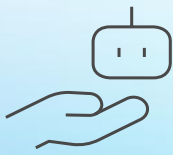
Reasoning (Chef, Librarian, Brain)

Utilize ML and AI techniques to analyze data and identify patterns.



Planning (Brain and Knowledge)

Develop action plans based on reasoning to achieve goals.



Action (Muscles and Limbs) → Tasks and Tools

Execute plans by interacting with the environment.

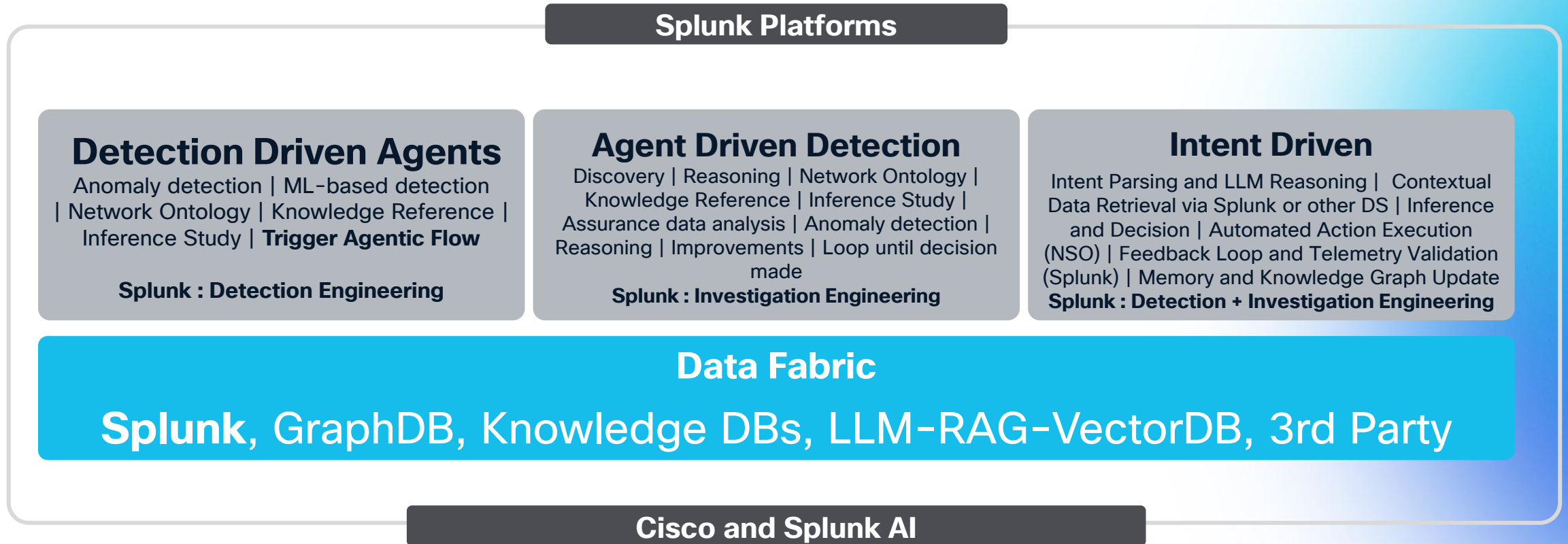


Learning (Brain, Knowledge, Food)

Evaluate outcomes and adjust behavior for improvement.

AI driven autonomy

Splunk Architectural Patterns (AN+AI)



Detection Driven Agents

Anomaly detection | ML-based detection
| Network Ontology | Knowledge Reference |
Inference Study | **Trigger Agentic Flow**

OR

Intent Driven

Intent Parsing and LLM Reasoning | Contextual Data Retrieval via
Splunk or other DS | Inference and Decision | Automated Action
Execution (NSO) | Feedback Loop and Telemetry Validation
(Splunk) | Memory and Knowledge Graph Update
Splunk : Detection + Investigation Engineering

Change Management + Configuration Drift Detection → Auto-Remediation

Detections and Trigger: Splunk detects malicious changes and alerts CD Agent

Context and Reasoning: CDA find deviations against golden config template along with using LLM (CDNM) driven intel

Inference : Impact analysis by leveraging telemetry in Splunk to forecast potential pattern of usage >> Potential risk

Action: Risk remediation pushed via orchestration (i.e. NSO or CNC)validating policy alignment and intent

Closing Loop: Splunk confirms drift cleared seeing improved telemetry and update the feedback

Splunk Platform AI Updates

Introducing Cisco Data Fabric

Cisco Data Fabric is a purpose-built, AI-native platform that transforms raw machine data into structured, connected, and context-rich intelligence, ready to power analytics, automation, and AI at scale

Next-Generation Federated Analytics

- Azure, Iceburg, Delta Lake formats using Spark, Cisco SAL, Snowflake, Databases, S3

Machine Data Lake

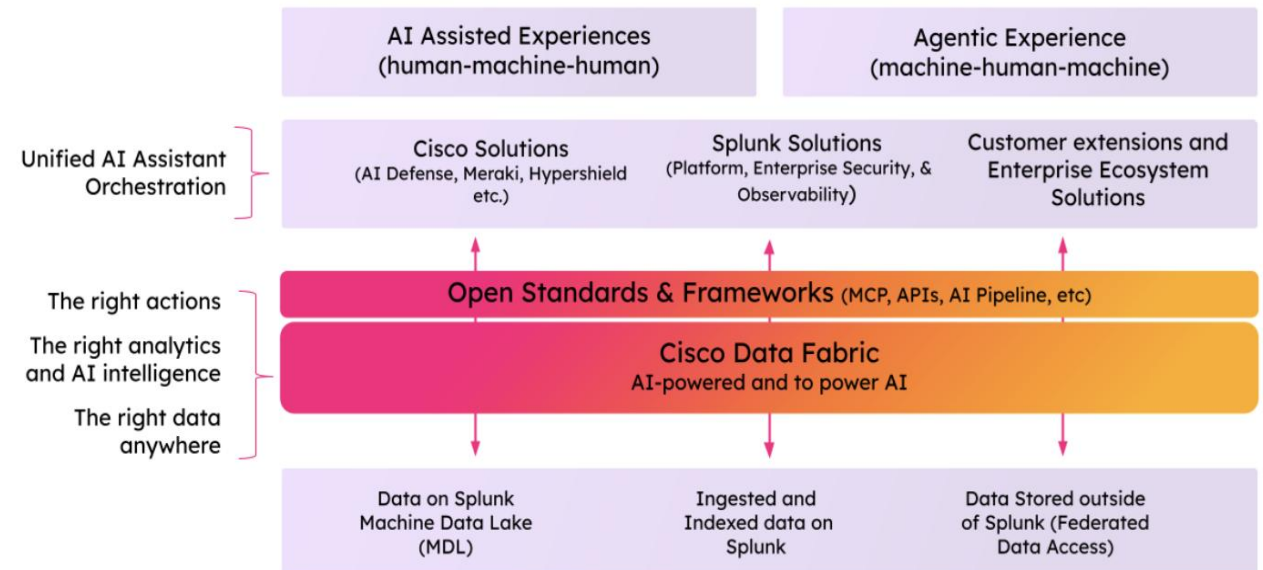
- The backbone of the Cisco Data Fabric, this data lake provides a low cost landing zone to power LLM/LRMs AI
- Flexible open architecture (parquet supported)

Splunk Model Context Protocol (MCP) server

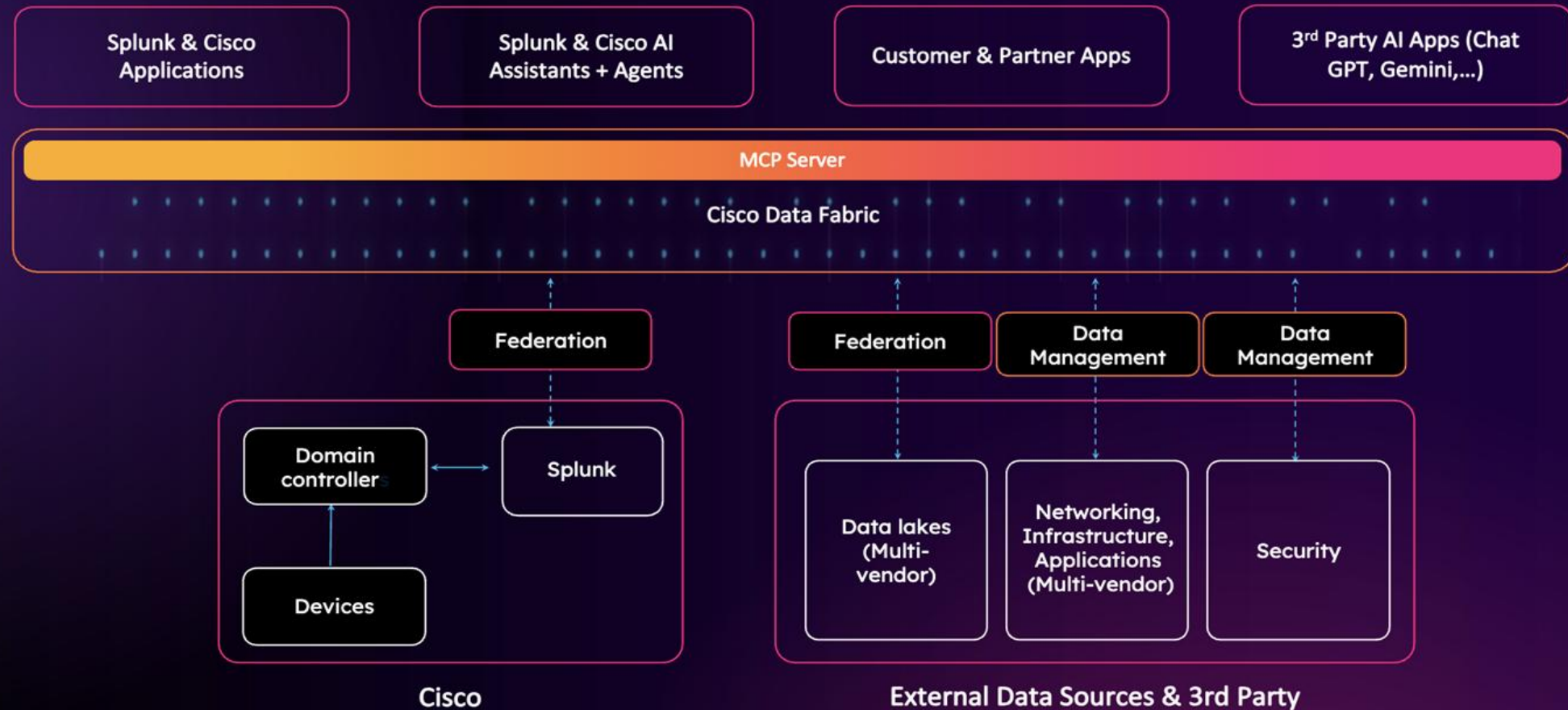
- Agentic AI integration with Cisco, Splunk and 3rd party products
- Splunk & Cisco LLMs/LRMs

AI Driven Data Management Experience

- Splunk's data management capabilities now include the ability to streamline the process of extracting multiple fields, which in turn deliver greater precision in regex generation and simplifies data onboarding.



Delivering a new class of cross-domain operational intelligence



Machine Learning Toolkit (MLTK) --> AI Toolkit

Rebranding MLTK to AI Toolkit to align with future vision and capabilities for developers!

AI models available in AI Toolkit

- **Splunk hosted models in AI Toolkit (Alpha):**
 - No third-party vendors or infrastructure necessary. Data stays within Splunk boundaries. (Available for Splunk Cloud Platform)
- **Cisco Foundation AI model support**
 - *Foundation-Sec-8B-Instruct* will provide a production-ready, cybersecurity-specialized LLM for Splunk security-focused customers.
- **External LLM Integration**
 - Leverage third-party LLMs, hosted outside of Splunk to query Splunk Platform.

Time Series Foundation Model (coming soon)

Cisco Deep Network Model Integration



Connection Management Settings

By using the LLM connection feature you acknowledge and agree that data from searches using the ai command will be processed by an external service.

Select Service:

Splunk Hosted

Select Model:

✓ -- Select Model --

Foundation-Sec-8B-Instruct

Llama 3.1 70B Instruct AWQ

Llama 3.1 8B Instruct

Default Provider: Bedrock

Default Model: meta.llama3-1-8b-instruct-v1:0

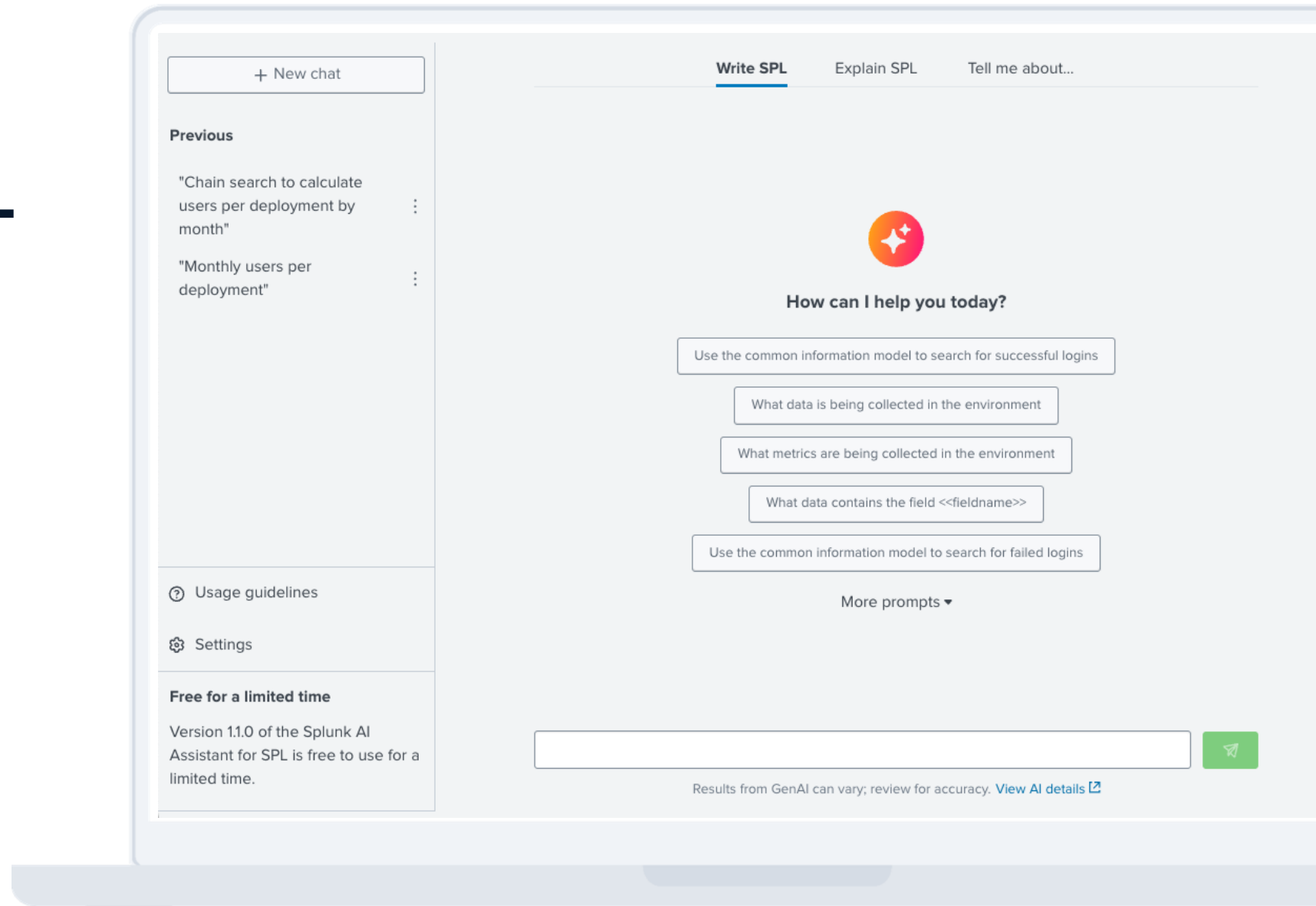
Splunk AI Assistant for SPL

GA in Splunk Cloud and Splunk Enterprise

Get your job done faster
using natural language

Chat with your data to
drill down to deeper
insights

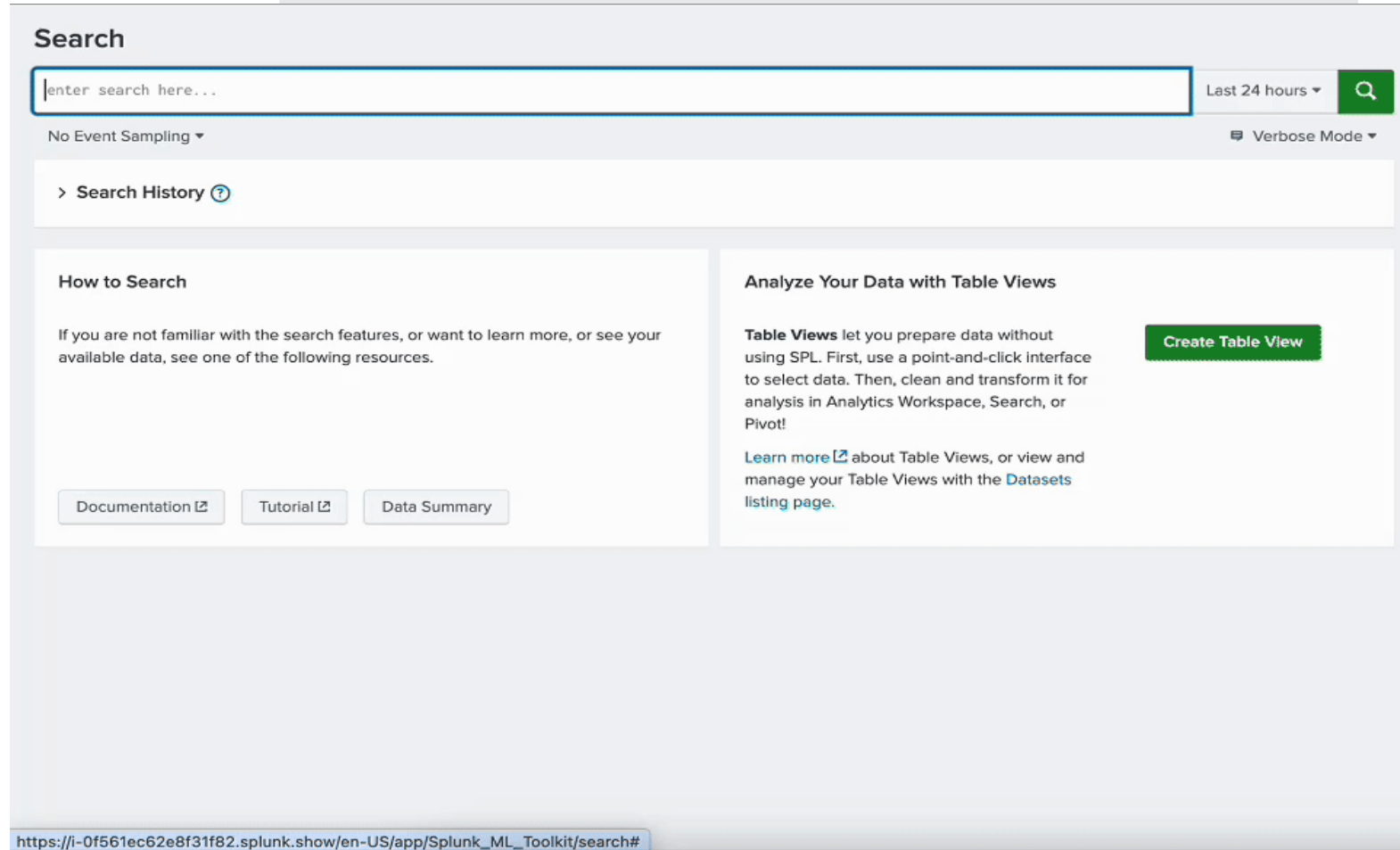
Accelerate your learning
journey to become the
expert



LLM Insights

Bringing GenAI into Splunk

- Allow users to connect to externally hosted LLMs
- New search command that allows users to pass data through an external LLM and present the results in the search pipeline
- Current support for OpenAI, Anthropic, Azure OpenAI, AWS Bedrock, Gemini, Grok and Ollama



Cisco AI Canvas in Splunk Platform

Brings real-time telemetry, AI insights, and team collaboration into one view

Intuitive and collaborative data exploration

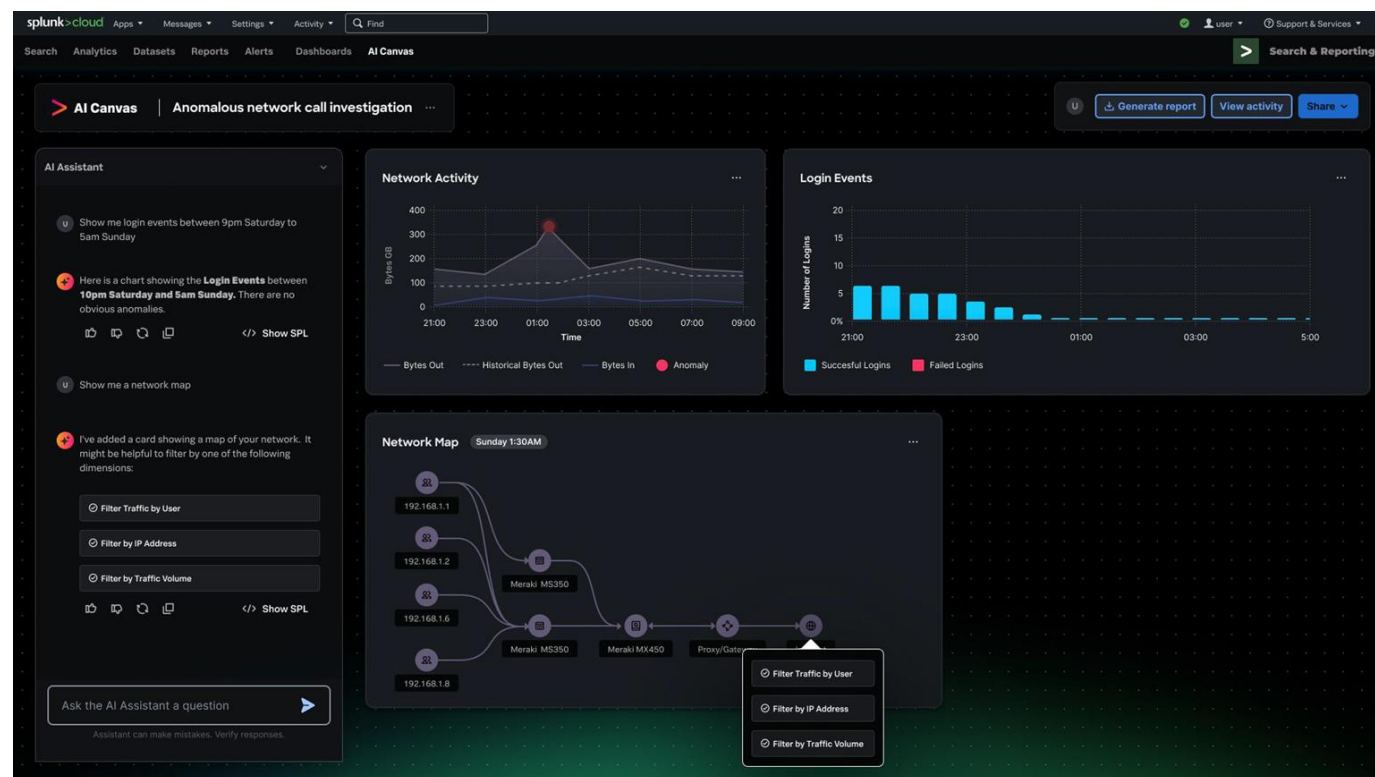
- AI Canvas in Splunk enables natural language interaction and collaborative boards, making it easier for teams to explore, discuss, and analyze data together, regardless of technical skill level.

Delivers rich and actionable data storytelling

- By combining Splunk's advanced analytics and visualizations with AI Canvas's dynamic, interactive interface, users can create compelling, shareable data stories that drive better understanding and decision-making across the organization.

Streamline AI-driven workflows within Splunk

- Integration with Splunk AI Assistant and tailored AI Canvas interaction patterns ensures seamless, end-to-end support for Splunk-specific use cases, accelerating insights and automating complex workflows from a single, unified platform.



Event iQ in Splunk IT Service Intelligence

Alert noise reduction for faster investigation

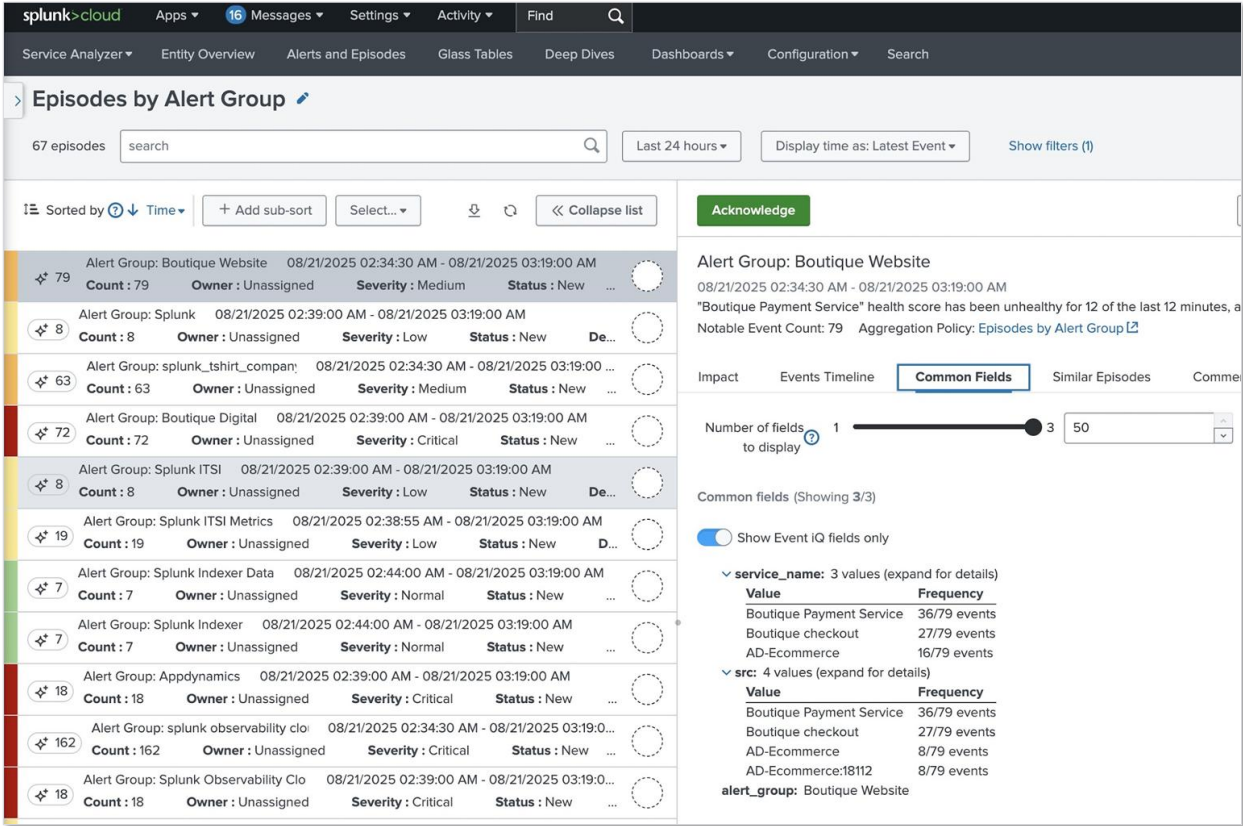
Automatically grouping related alerts reduces noise and additional context helps teams quickly understand the incident and determine next steps.

Significant reduction in manual effort

Automated AI-driven alert correlation drastically minimizes the manual work required to configure, standardize, and maintain alert grouping (NEAPs), allowing admins and analysts to focus on higher-value tasks.

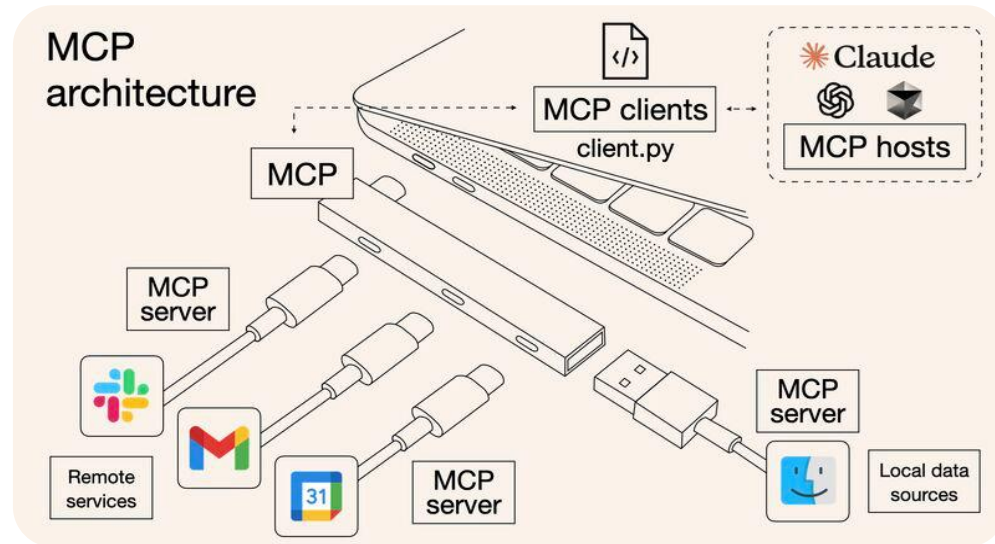
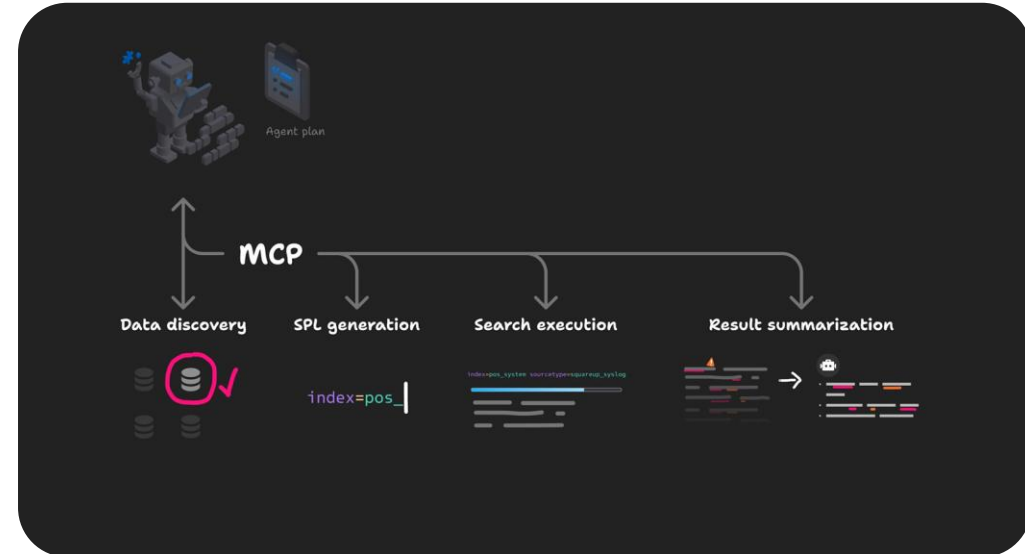
Clarity and transparency

Dynamically generated titles and a plain text explanation of the correlation configuration helps teams easily understand why particular alerts were grouped.



Model Context Protocol (MCP): The Foundation of the AI Agent Revolution

The Model Context Protocol (MCP) is an open protocol that enables seamless integration between LLM applications and external data sources and tools.



Universal Connectivity

Connect agents to data, software, and services through a single standardized interface



Enterprise Security

Built-in authentication, authorization, and controls for safe access



Rapid Deployment

Eliminate months of custom integration development

MCP Server – Initial Use Cases

Remote

The MCP server is hosted separately from where the MCP Client is running.

Foundational Tools

Foundational non-destructive APIs from Splunk Platform.

Deployment Type

Splunk Cloud only (Commercial AWS Regions)

Target Use Cases

1. Integrating your chat bots or AI assistant with Splunk data platform for increasing productivity in operational tasks
2. Developers trying to build agentic workflows that can leverage access to Splunk functionality through a remote MCP server with/without other tooling
3. **Automating alert investigations by integrating LLMs with the Splunk platform and Confluence (KB articles)**
4. **Leveraging LLM reasoning and ML capabilities for alert investigations and clustering analysis**

Complete your session evaluations



Complete a minimum of 4 session surveys and the Overall Event Survey to claim a Cisco Live T-Shirt.



Earn up to 800 points by completing all surveys and climb the Cisco Live Challenge leaderboard.



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Thank you

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