



SNEAK PEEK

Cisco Support Community Expert Series Webcast

Connected Analytics for Network Deployment with June Zheng



Register Now: <http://bit.ly/oct21webcast>

Agenda

Overview

How It Works

End to End Security

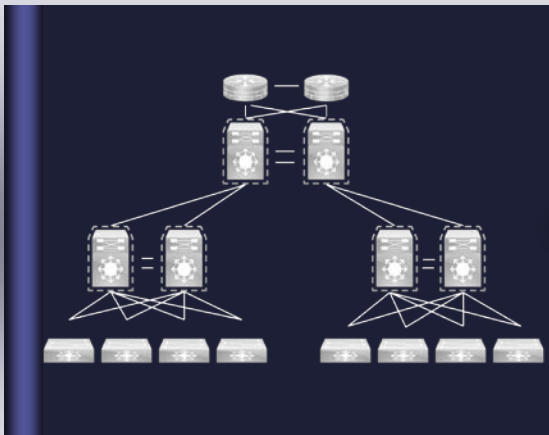
Data Workflow

Demo



Requirements for Network Optimization

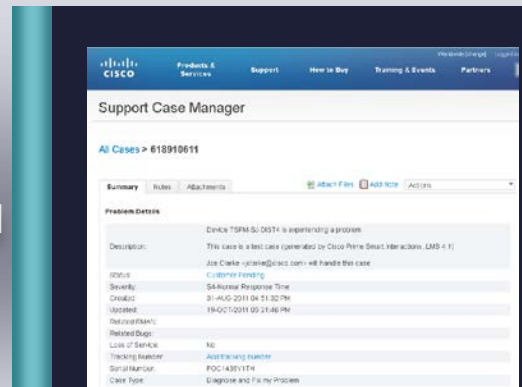
Network Data



To understand the composition of the network and how device is deployed

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Ticket Data



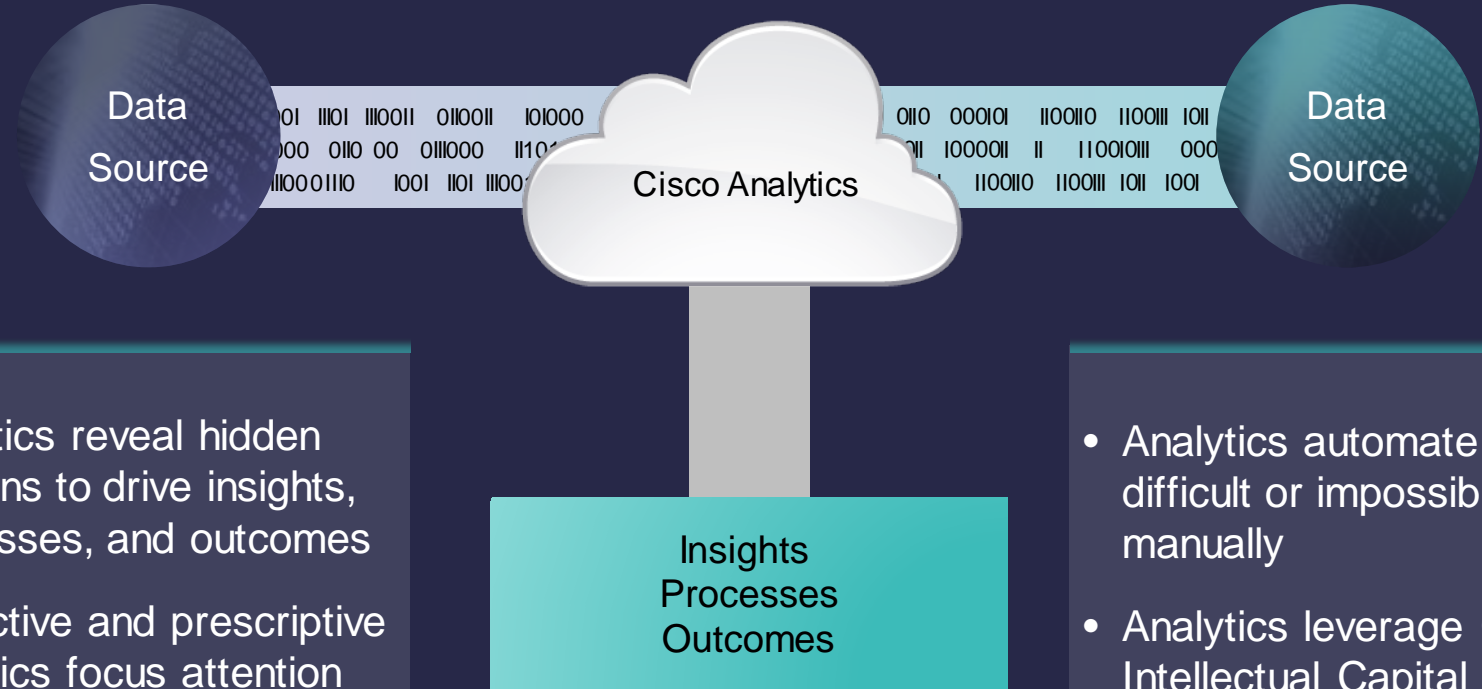
To understand the causes of network disruption

Analysis of Data



To provide insights

Why Analytics?



- Analytics reveal hidden patterns to drive insights, processes, and outcomes
- Predictive and prescriptive analytics focus attention on most important items

- Analytics automate work difficult or impossible to do manually
- Analytics leverage Cisco Intellectual Capital in a new way

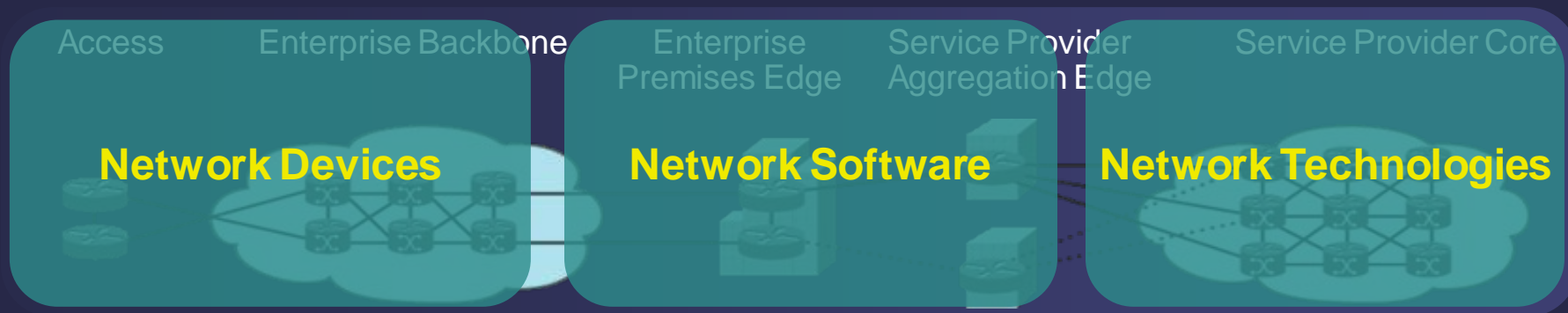
What is CAND?

Subscription-based software that **analyzes** service requests and network deployment data (devices, software, and technology configurations), and provides **visualizations** and **actionable recommendations** that prioritize network planning and **optimization** activities.



Analytics – Enables a New Way to Measure Networks

Cisco Network Analytics analyzes data on network infrastructure:



Network deployment measurement via **Consistency**, **Complexity**, and **Disruption** indexes

Trend indication, **peer** comparison, and **industry** benchmarking

Support case dashboard, **top platform** and **software** identification

CAND Network Deployment KPIs



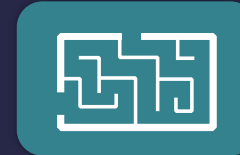
Network
Disruption
Index

A measure of a severity of
network disruption



Network
Consistency
Index

A measure of how devices
performing similar functions
are similarly deployed

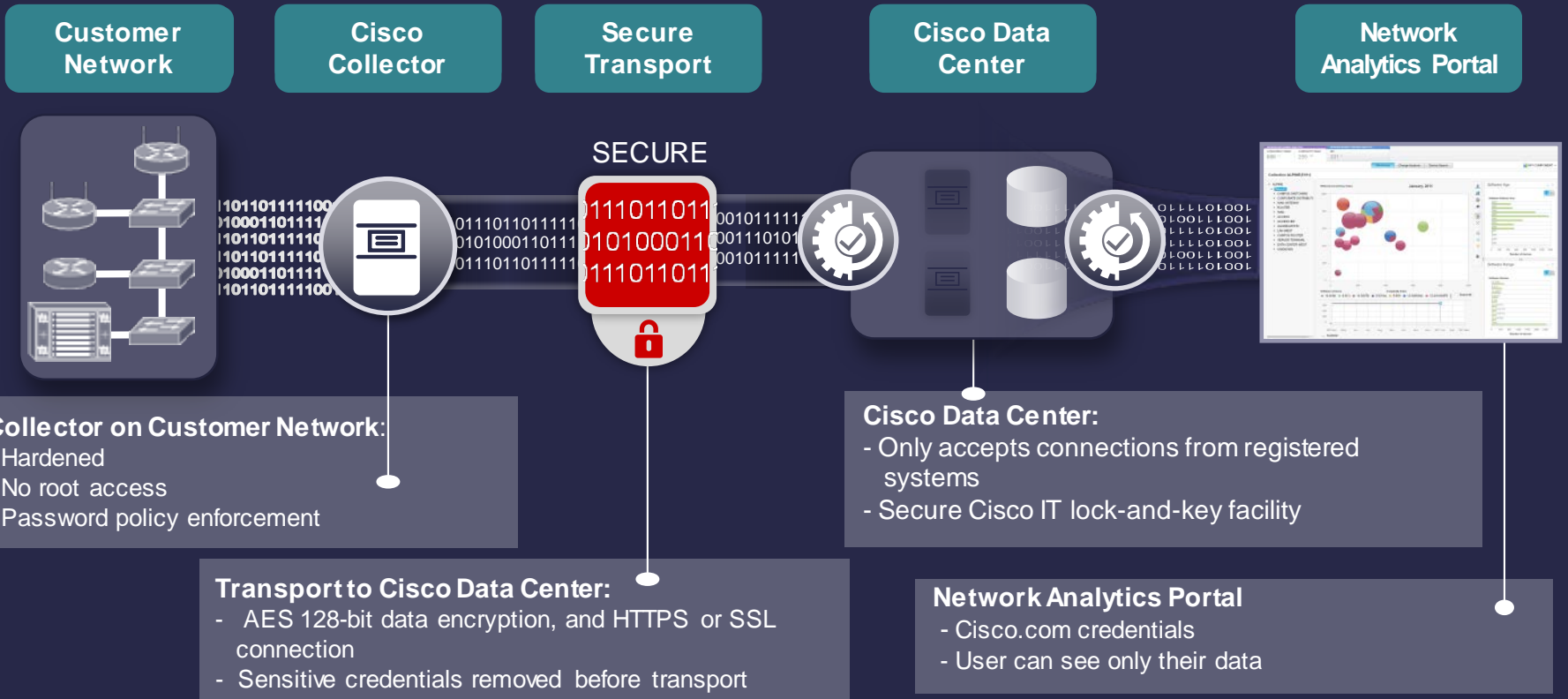


Network
Complexity
Index

A measure of number of
features enabled with
different complexity weights

Data Source	Cisco Service Request Data	Customer Network Data	Customer Network Data
Algorithm Derived From	<ul style="list-style-type: none"> • Service request severity • Time to resolution • Escalation level • Outages 	<ul style="list-style-type: none"> • Device hardware choices • Device software choices • Technology configurations 	<ul style="list-style-type: none"> • Features enabled • Feature complexity weight by domain experts in Cisco
Benchmark	Against yourself, peers, and industry with trend report	Against yourself and peers	Indication of network technology enablement
KPI Granularity	Network vs. HW/SW/Operations	Network vs. HW/SW/Features	Network vs. Families/Roles
Scale	0-10	1-1000	1-1000

End to End Security



Collector on Customer Network:

- Hardened
- No root access
- Password policy enforcement

Transport to Cisco Data Center:

- AES 128-bit data encryption, and HTTPS or SSL connection
- Sensitive credentials removed before transport

Cisco Data Center:

- Only accepts connections from registered systems
- Secure Cisco IT lock-and-key facility

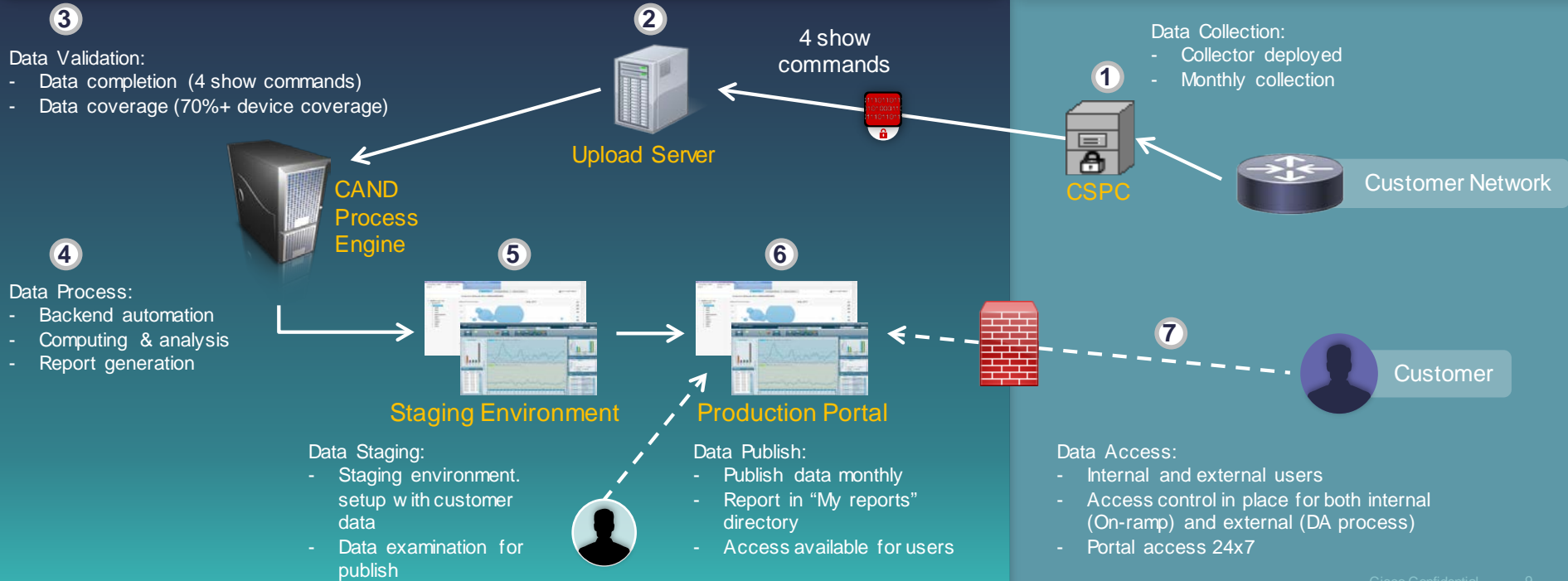
Network Analytics Portal

- Cisco.com credentials
- User can see only their data

Consistency and Complexity Work Flows (Collector Required)

Cisco

Customer



Check out some additional information on CAND on the Cisco Support Community.

What are the data collection requirements for CAND?

<http://bit.ly/1nkFsRw>

What is the Network Consistency Index?

<http://bit.ly/1sMOtUr>

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