CISCO
The bridge to possible

Enabling Accelerated Digital Transformation For BCS Customers Using APIs

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Please close your eyes for a moment

CISCO *Live!*

Opportunity Landscape

Current Scenario and opportunities to transform

Multiple disconnected sources of data

Cisco not integrable with existing NMS systems

Report-based delivery is not scalable

Hindrance in gaining network insights

"Data is the oil of the 21st century, and analytics/Insights is the combustion engine"
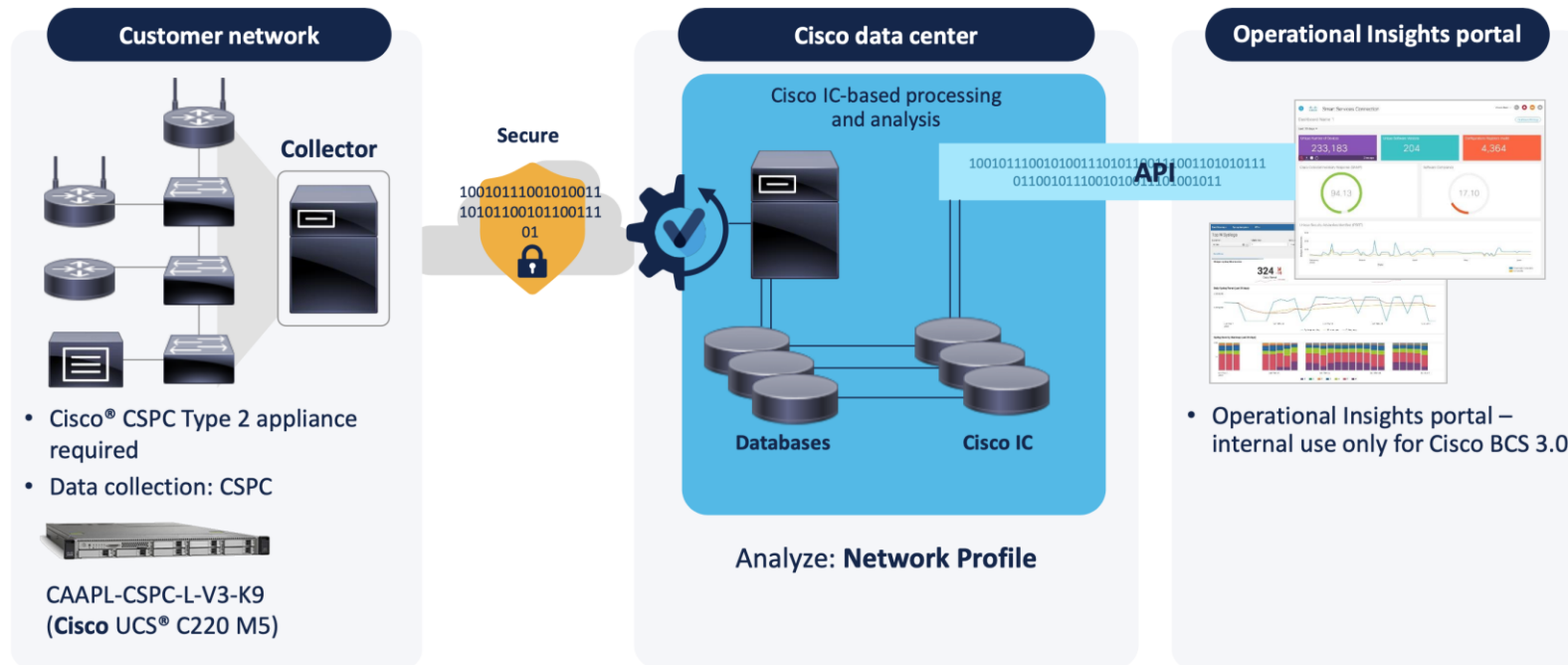
Peter Sondergaard, SVP Gartner

Agenda

- Introduction to Cisco CX Ecosystem and BCS
- Data Collection from customer networks
- Cisco's Day2 Support Services
- API Benefits and Feature Coverage
- Architecture
- Demo
- Conclusion and next steps
- Q & A

Introduction to CX Ecosystem and BCS

Data Collection

Data Collection – Common Services Platform Collector

How data is collected from your install base using CSPC

Customer network

Collector

Secure

10010111001010011
10101100101100111
01

Cisco data center

Cisco IC-based processing and analysis

100101110010100111010111001011001101010111
011001011100101001101001011

API

Operational Insights portal

233,183   204   4,364

94.13   17.10

324

Databases   **Cisco IC**

Analyze: **Network Profile**

- Cisco® CSPC Type 2 appliance required
- Data collection: CSPC

CAAPL-CSPC-L-V3-K9
(**Cisco** UCS® C220 M5)

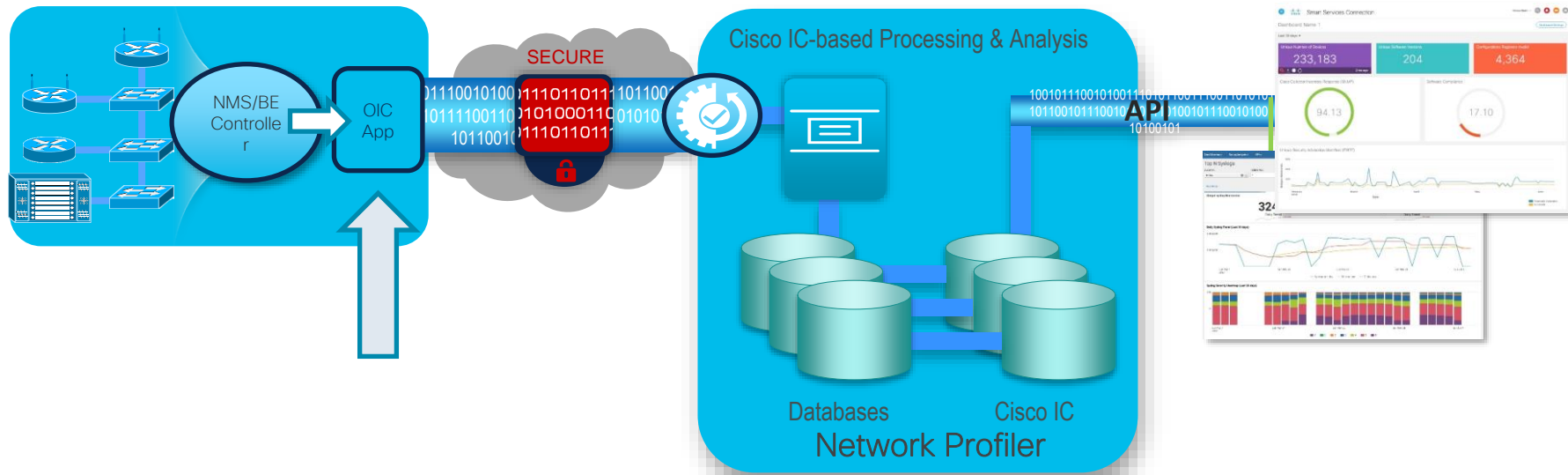- Operational Insights portal – internal use only for Cisco BCS 3.0

Data Collection – Operational Insights Collector (OIC)

How data is collected from your install base using OIC

Data collection from customer network	Data analysis to generate operational insights	Data for Operational Insights

Cisco's Day2 Operational support
Business Critical Services (BCS) Offering

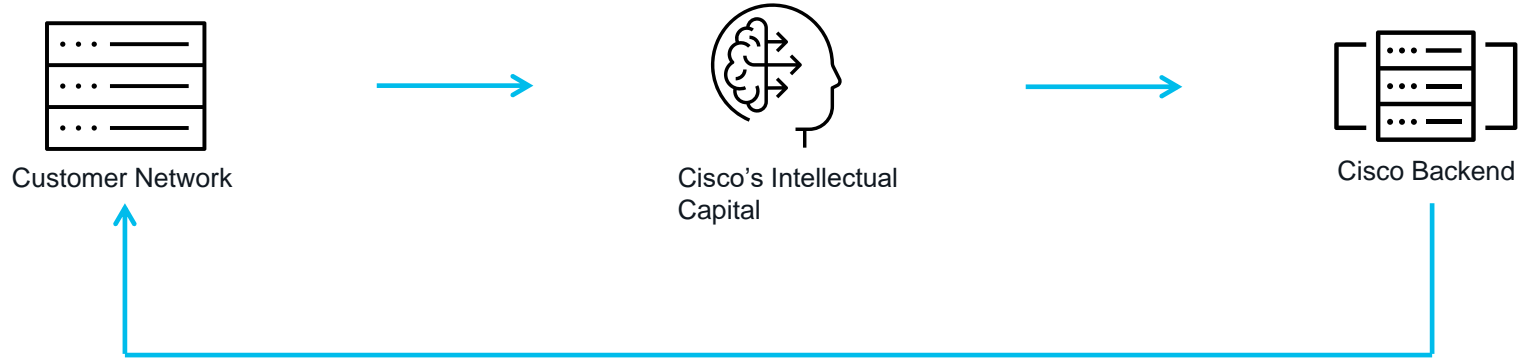Security Risks, Field Notices, Hardware EoX Reporting

Software Management Strategy for your Install Base

Global Risk Mitigation of your Nodes

Configuration Best Practices

Automated Syslog Analysis

Empowering you with Insights

Customer Network

Cisco's Intellectual Capital

Cisco Backend

Operational Insights API Benefits
How can the Operational Insights APIs help you?

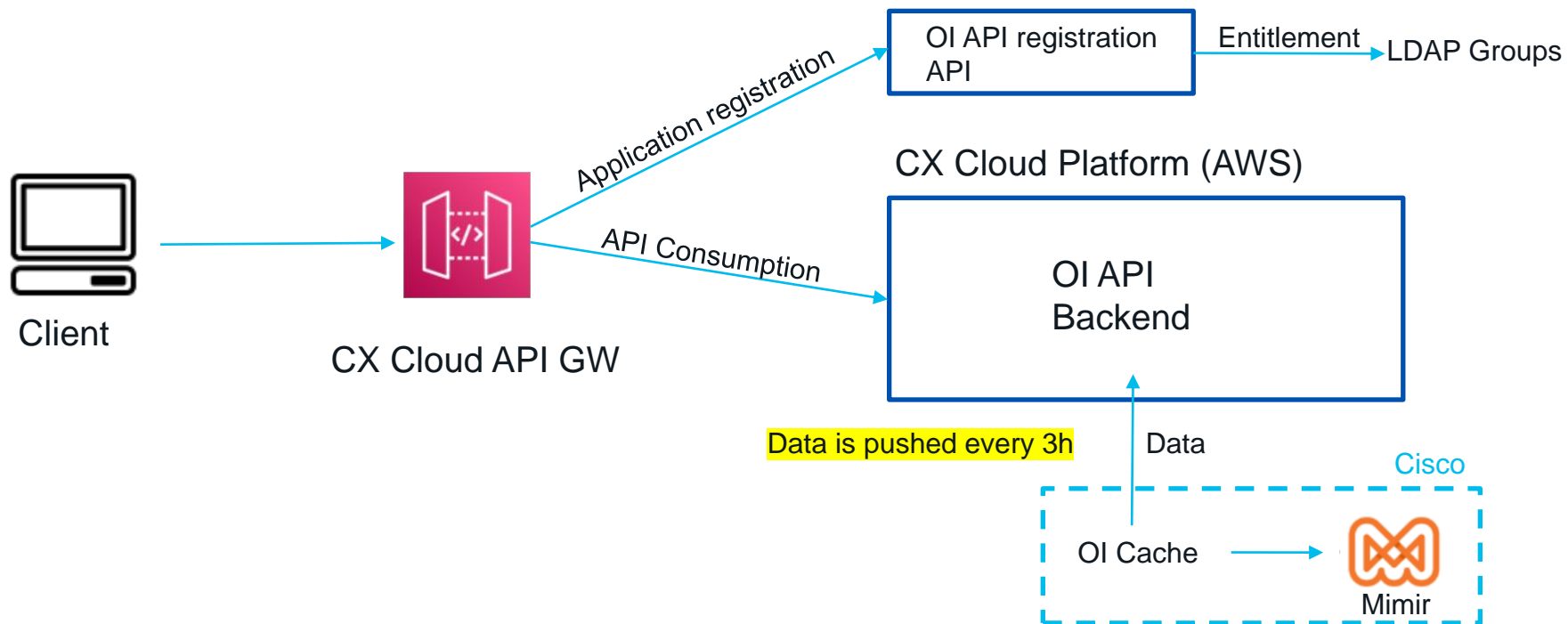Actionable data-driven Insights for complete Install Base

Promotes Automation which Improves time-to-value

IT leaders & Architects get key Insights to make Business Decisions

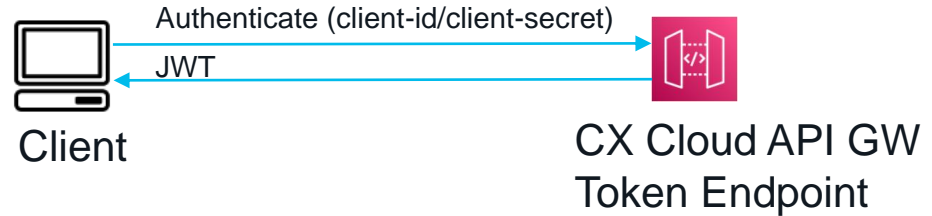Network Engineers get critical health view of their network
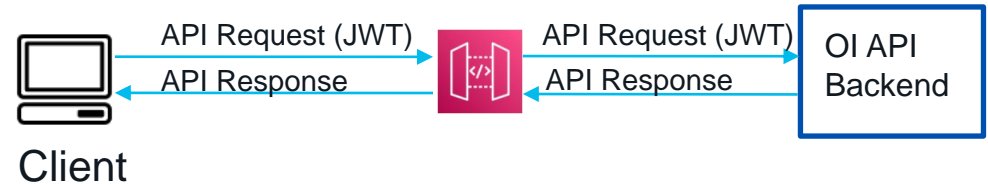
BCS APIs Architecture

Architecture overview

Client

CX Cloud API GW

Application registration

OI API registration API

Entitlement → LDAP Groups

API Consumption

CX Cloud Platform (AWS)

OI API Backend

Data is pushed every 3h

Data

Cisco

OI Cache → Mimir

Architecture – Application Registration

- Client obtains JSON Web Token (JWT) from CX Cloud API Token Endpoint

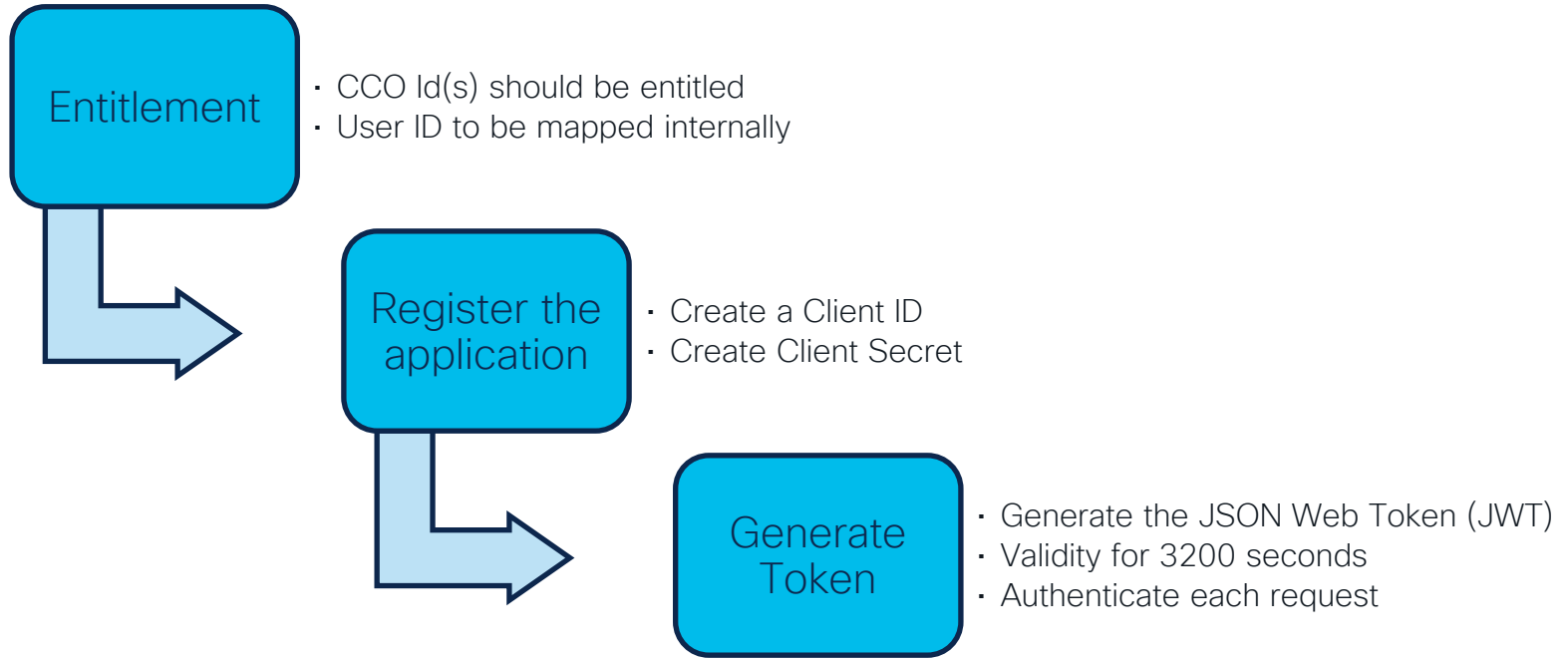Authenticate (client-id/client-secret)

JWT

Client

CX Cloud API GW Token Endpoint

API Request (JWT)

API Response

API Request (JWT)

API Response

Client

OI API Backend

- Client consumes the OI APIs providing the JWT in every request

Getting Started with BCS APIs

3-Step Process

Entitlement
- CCO Id(s) should be entitled
- User ID to be mapped internally

Register the application
- Create a Client ID
- Create Client Secret

Generate Token
- Generate the JSON Web Token (JWT)
- Validity for 3200 seconds
- Authenticate each request

Demo

External User Onboarding – Existing Customers

Customer

Cisco Account Team
(or myself)

Key Takeaways

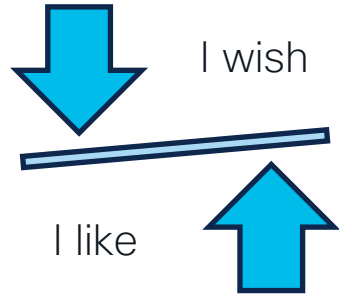Day2 Operations take maximum time, effort and $$

Cisco's ICs can help with critical insights from your network

Helps with making networks more robust, secure & Resilient

Critical for Business Leaders, Architects and Network Engg.

Accelerates your Digital Transformation journey

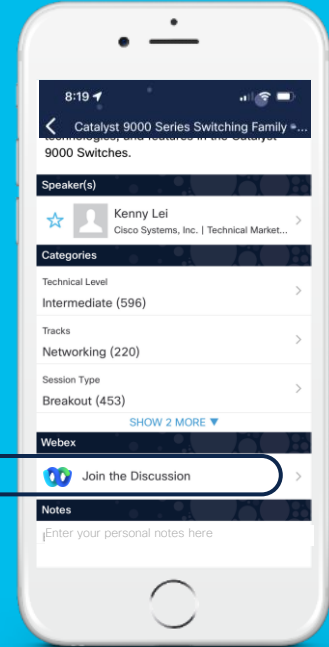# Feedback and Q&A

I wish

I like

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Thank you

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ALL IN