

# Automation X für Cross-Domain Automation & Analytics


Virtual Espresso Webinar

Mittwoch, 26. Januar 2022, 15:00 Uhr

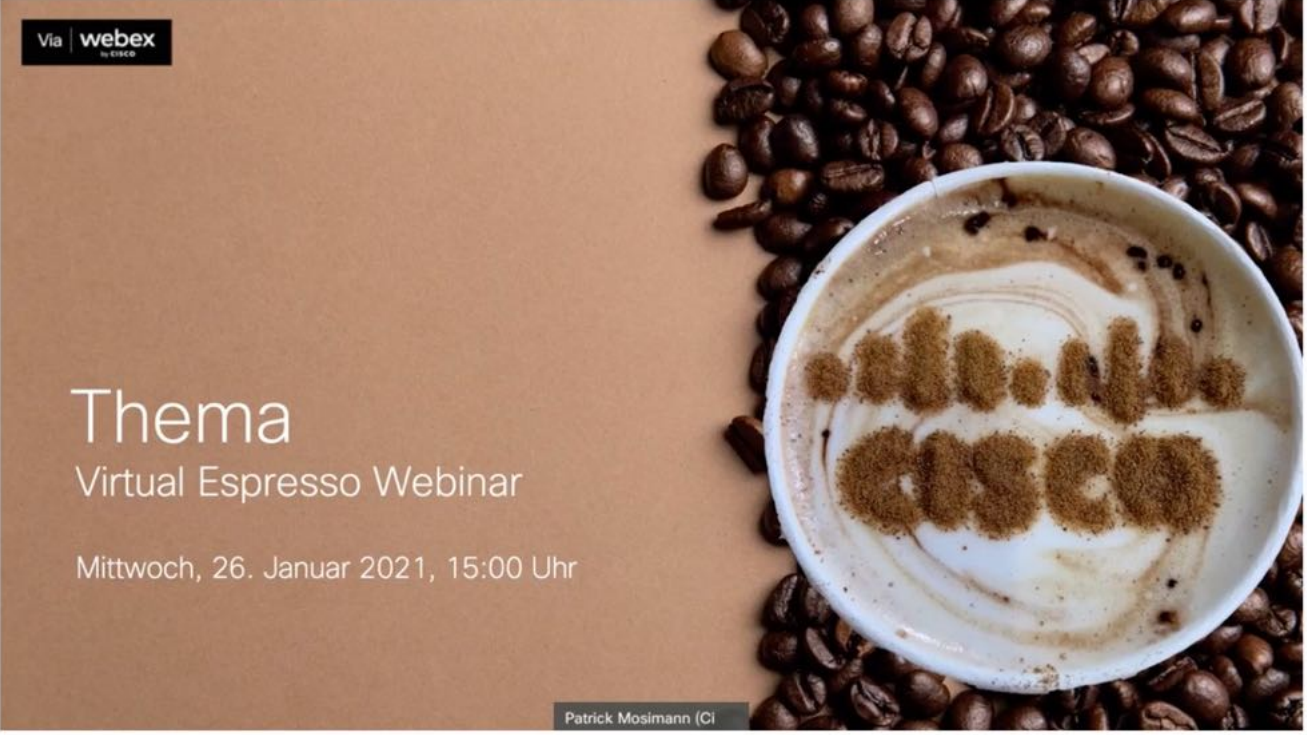




👉 please utilise the Q&A function to get your question answered



Video



Via **webex** by CISCO

# Thema

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Patrick Mosimann (CI)

Ereignisdetails


Virtual Espresso: Thema  
25. Jan. 2022 21:30 -- 25. Jan. 2022 22:00  
Moderator: Patrick Mosimann

Fragen & Antworten

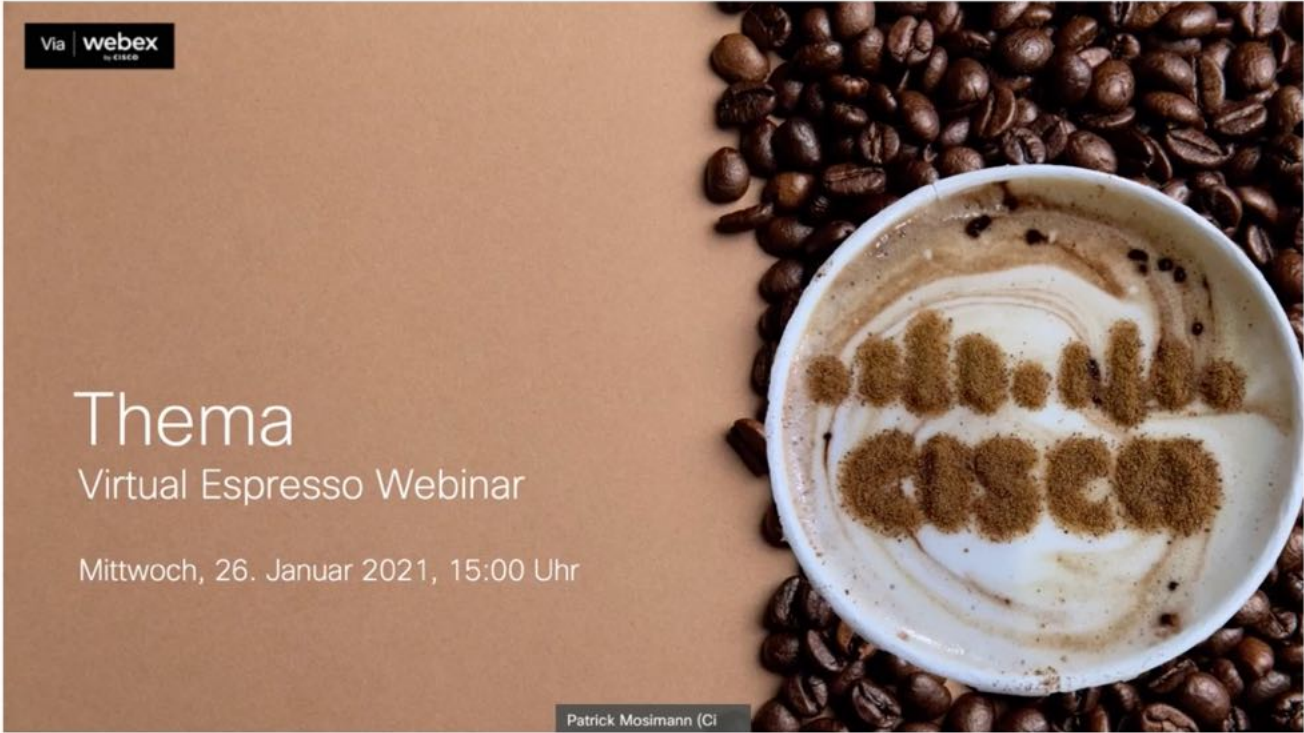
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# Thema

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Fragen & Antworten

Meine Fragen (0) Gruppenfragen (0)

[Absenden](#)

Von Ihnen gestellte Fragen sind hier aufgelistet.

?

# The fifth Element

## Use cases and outcomes

Markus Harbeck  
Principal Architect, CXPM Cross Domain  
January 2022



CCIE #8087  
CCDE #20130015



The Fifth element...  
... out of many





# Top Five Capabilities/Strength



NetOps

**Consistent and proactive** global Network Service **Delivery model** with unified single instance of tooling with increased **network automation** and **administration** to reduce service management overhead.



AIOps

Supply Chain connectivity optimized to support seamless business along value chain. Full stack Observability serving life cycle excellence.



SecOps

Overall solution must fulfill state of the art security requirements, e.g. zero trust architecture paradigm across the board, from branch of one to main R&D or Campus. **Seamless end-to-end integrated security policies** to centrally manage DB systel security framework compliance and policy administration.



DevOps

Enhanced **speed to market**, **service provisioning** and agility with zero-touch or low-touch provisioning reducing deployment and maintenance issues.



CX Cloud

Cisco services will provide a stable yet flexible networking environment to increase capabilities (XaaS) and act as a platform for transformational global communications that will enable DB systel to deliver quality and value globally.

*The one stop  
corner to operate  
your IT*

know

*We ~~believe~~ that is long overdue*



# Today's Conversation



01 | Intro

02 | The Why

03 | The How

04 | What's Next

05 | Summary



The Why



1

Where can I find all my assets incl the  
once on stock? And what's the status  
of my contracts?

2

I need to be "compliant"  
and minimize down time!

3

Can I predict outages and avoid them?  
(Predictive Maintenance)  
How about automatically detect and  
mitigate faults?

SD Access in one  
click





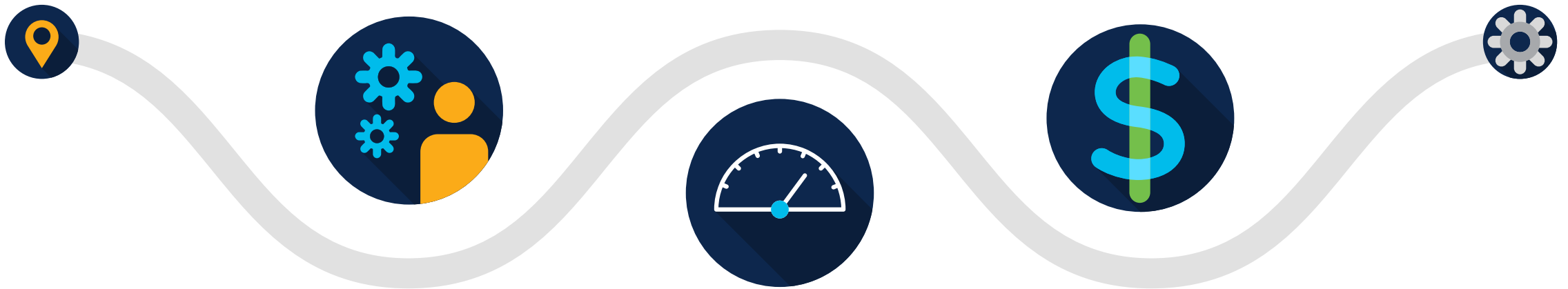
# Accelerating your automation journey

## Standardize for Scale

Software Defined | Use Cases | aaS

## Transform for Value

Cross Domain | Process Integration | Biz Outcome



## Digitize for Speed

Skills Update | Expert Advisory | AI Ops

While Automation = automation + analytics

# Automation covers day 0 to Day N

Top customer automation and analytics use cases



## Network wide visibility

End to end visibility of all assets



## Day 0 deployment

New site or migration of an existing network



## Software conformance

Seamless software upgrade for the network

# Simplified automation cloud-delivered

Components of CX Automation



Automation  
workbench



Recommendation to  
Remediation

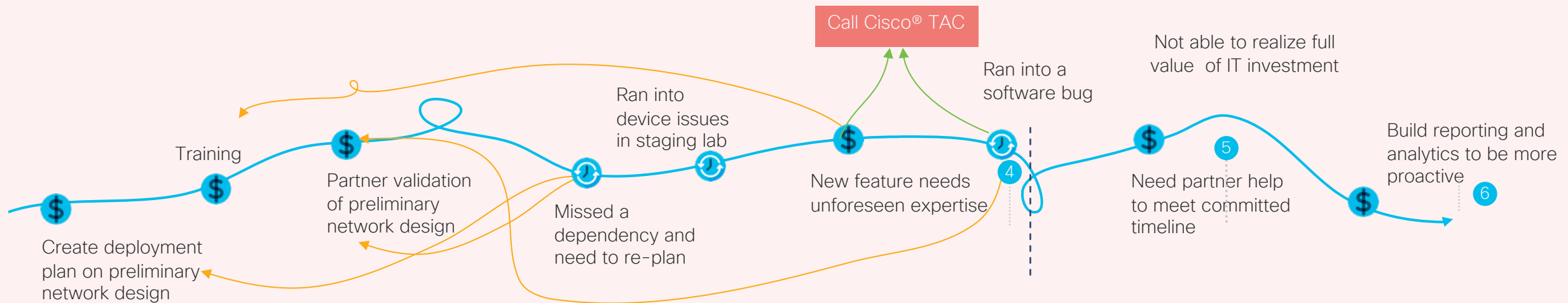


Integration with  
IT Tools



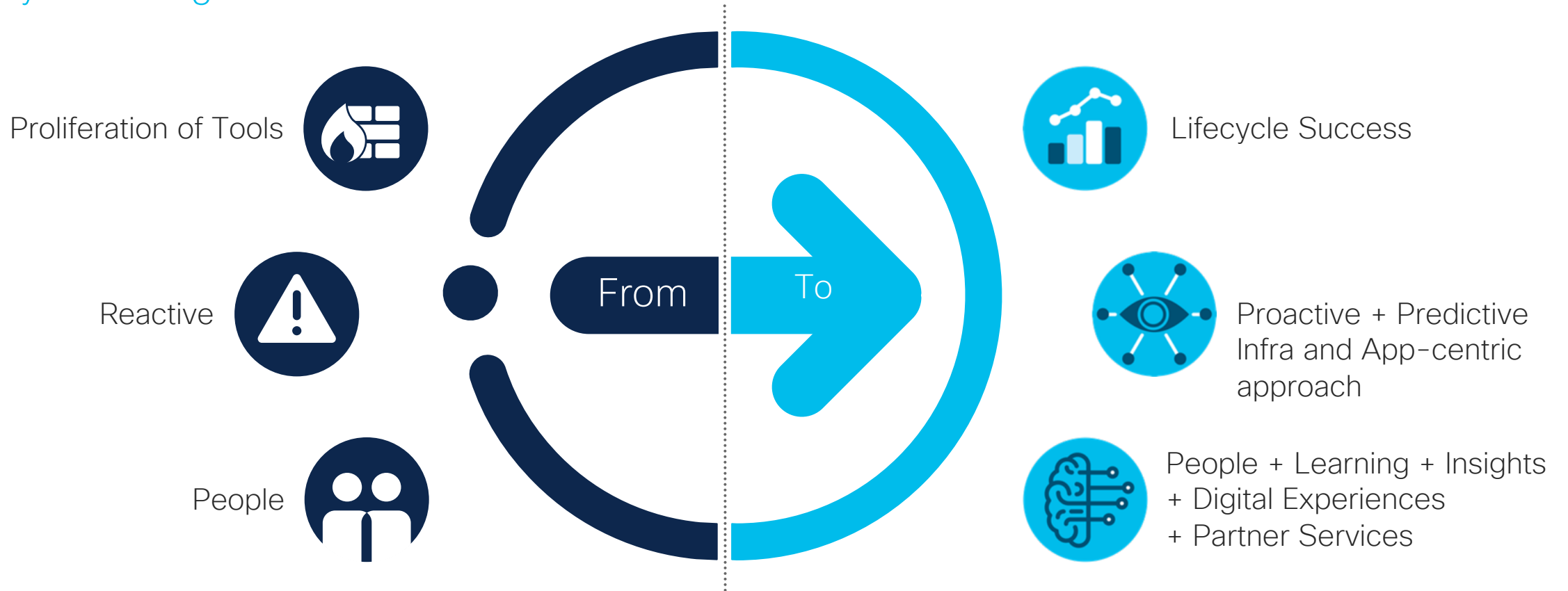
# How are your projects organized ?

Customer's current path



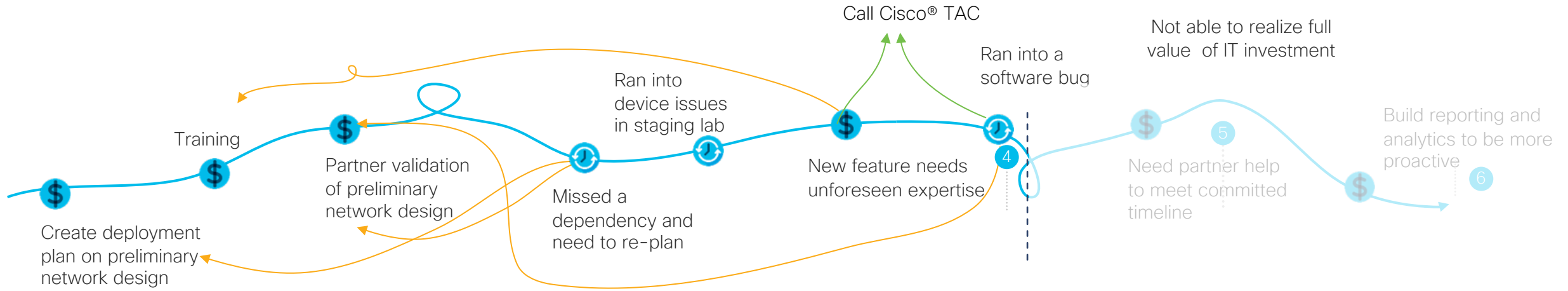
# Delivering Customer Outcomes

## Today's Challenges

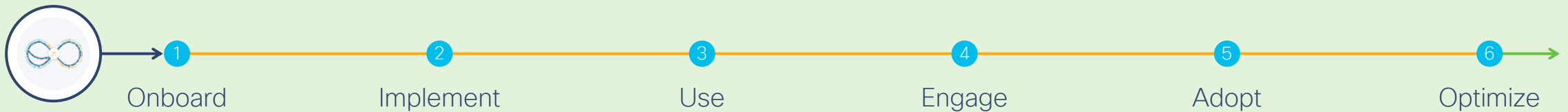


Requires: New service offers & enhanced customer engagements

# That's how you want to work



## with Success Tracks



One-stop digital experience

Guided, proven adoption path

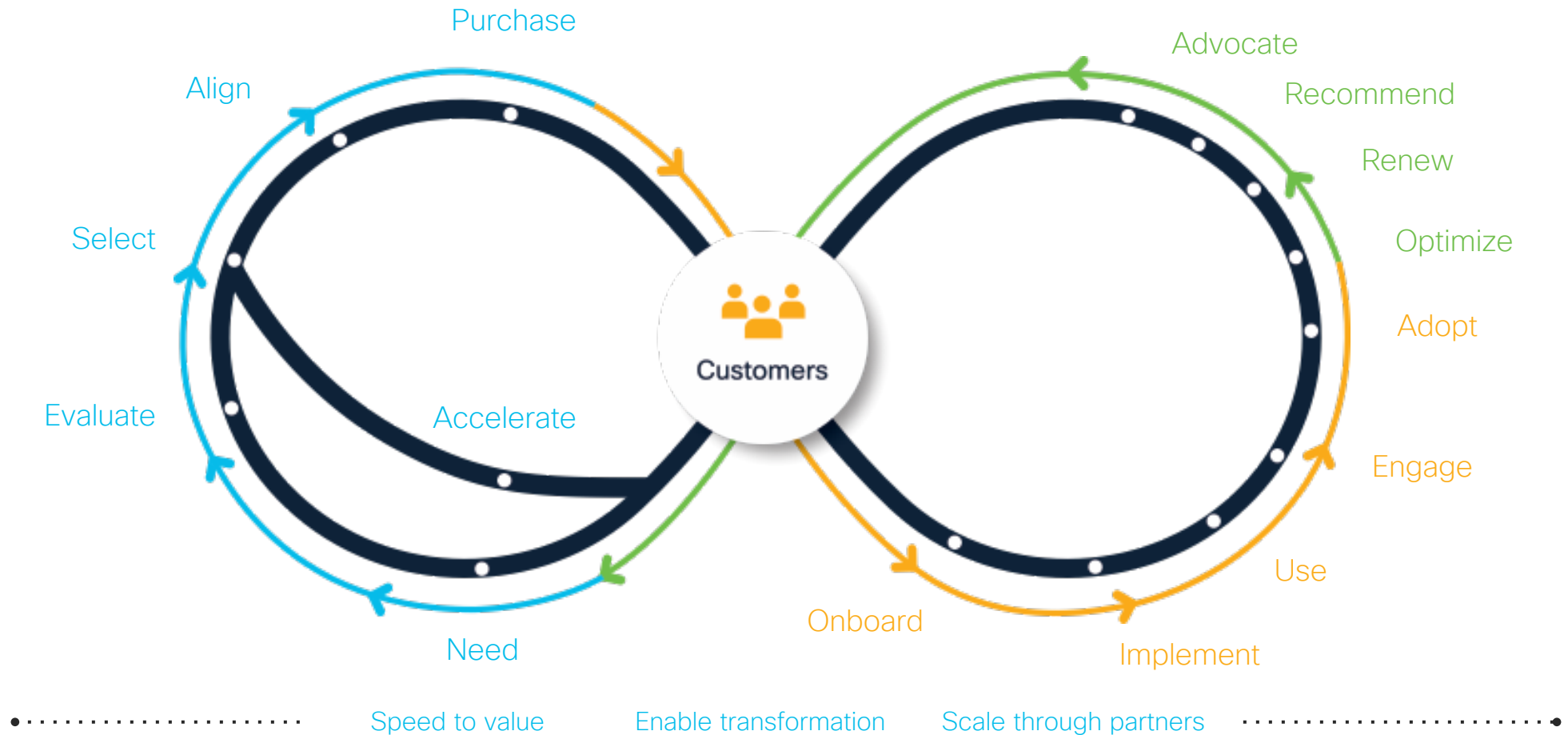
Meaningful use case-driven content

Contextual learning



# Reimagining our Customers' Experience

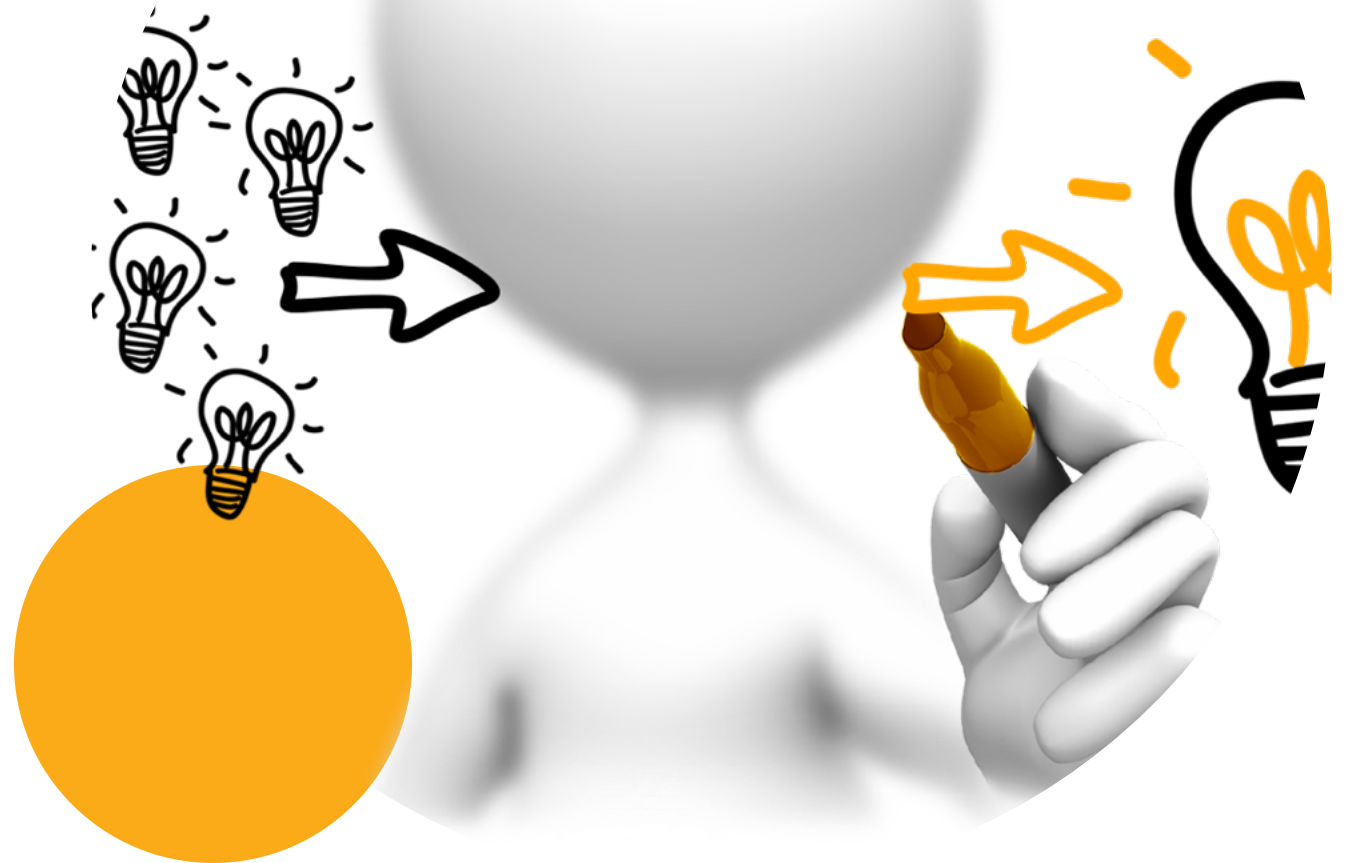
Simplicity, Agility, Innovation



Simple

› Integrated

› Outcome

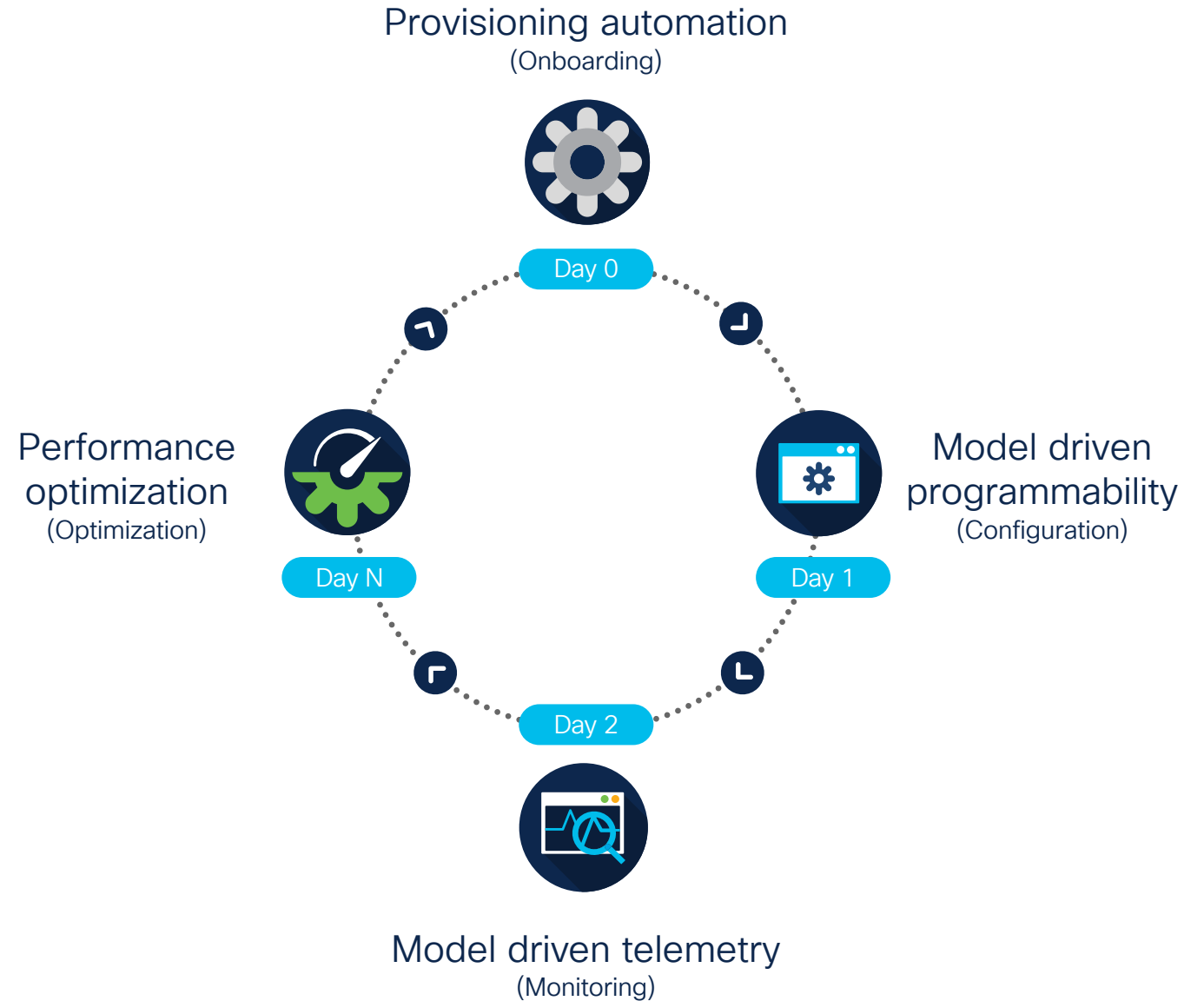


The How



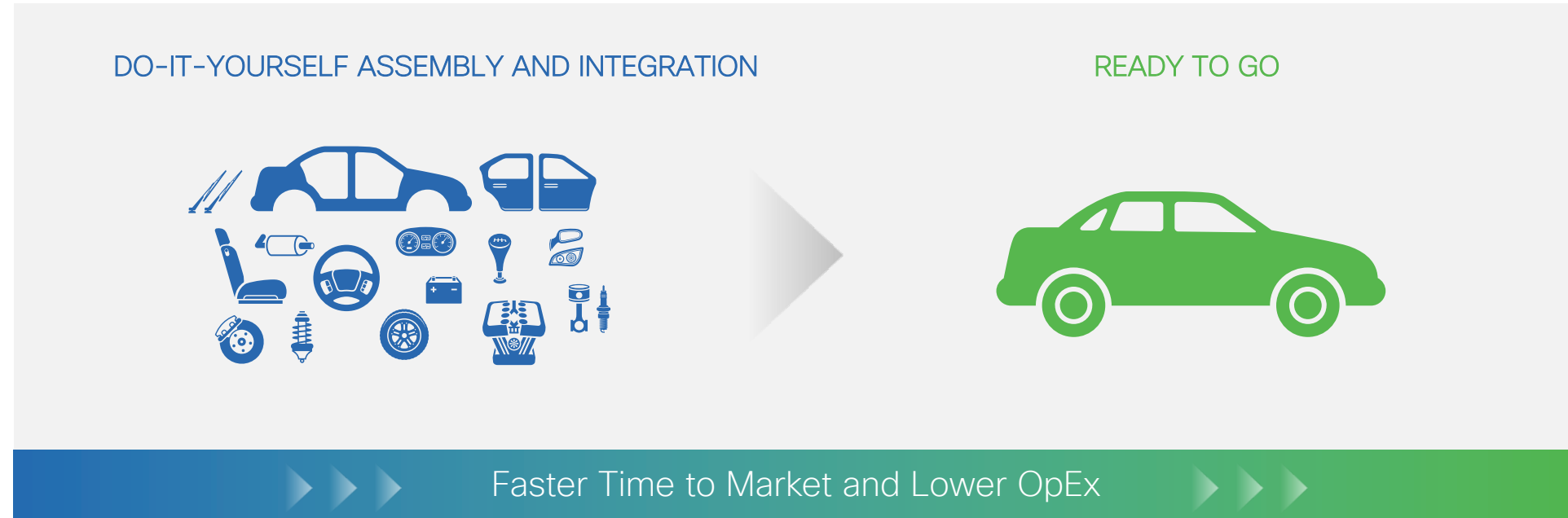
# Automation strategy

Cover all aspects of device lifecycle



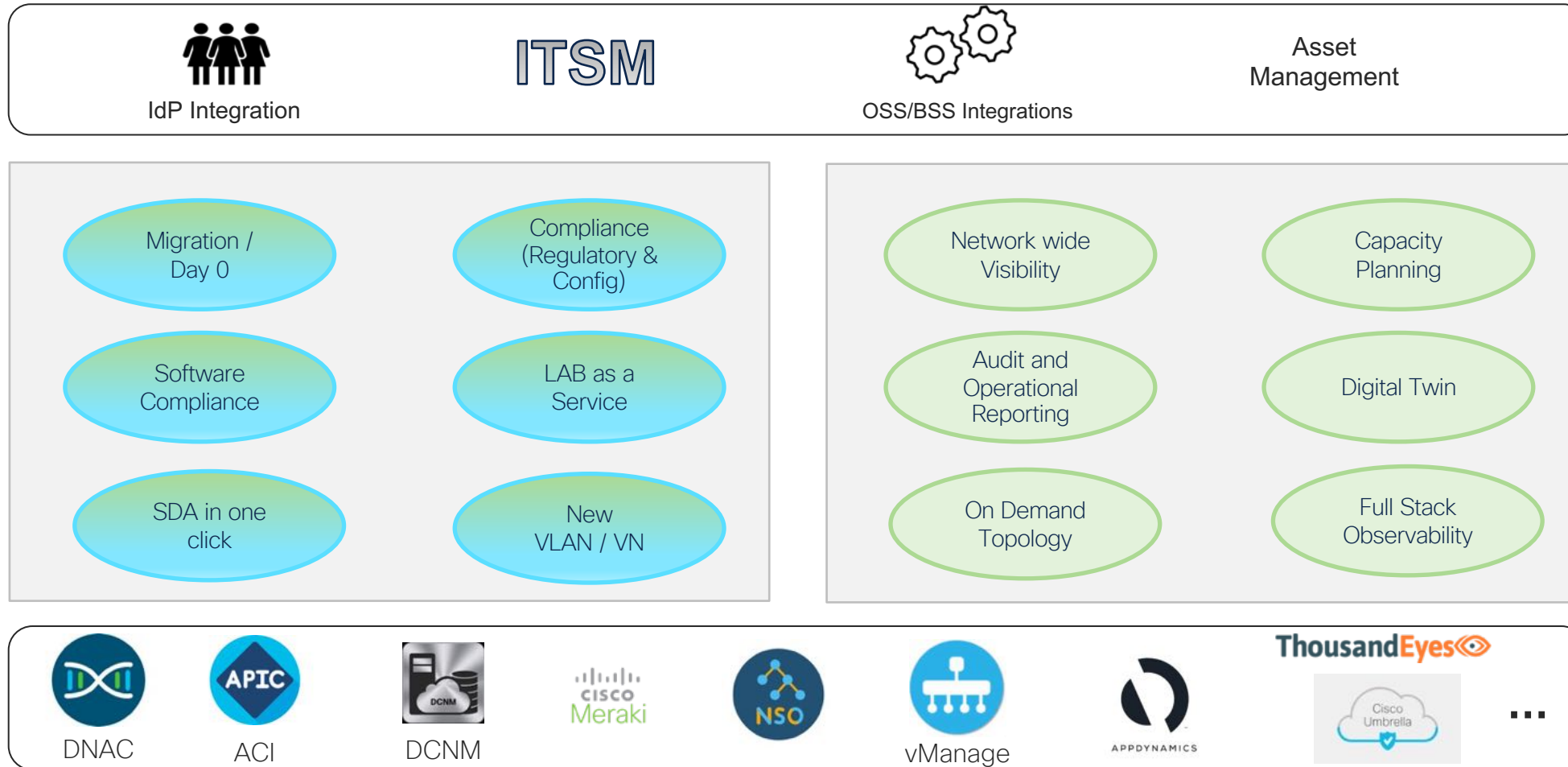


# We had outcomes we called solutions



Outcomes and Use cases are Platform independent!

# Use Cases



# Big Picture



Orchestration

Cross Domain  
Automation

Cross Domain  
Analytics

Campus

WAN

DC /  
Cloud

Security

SP

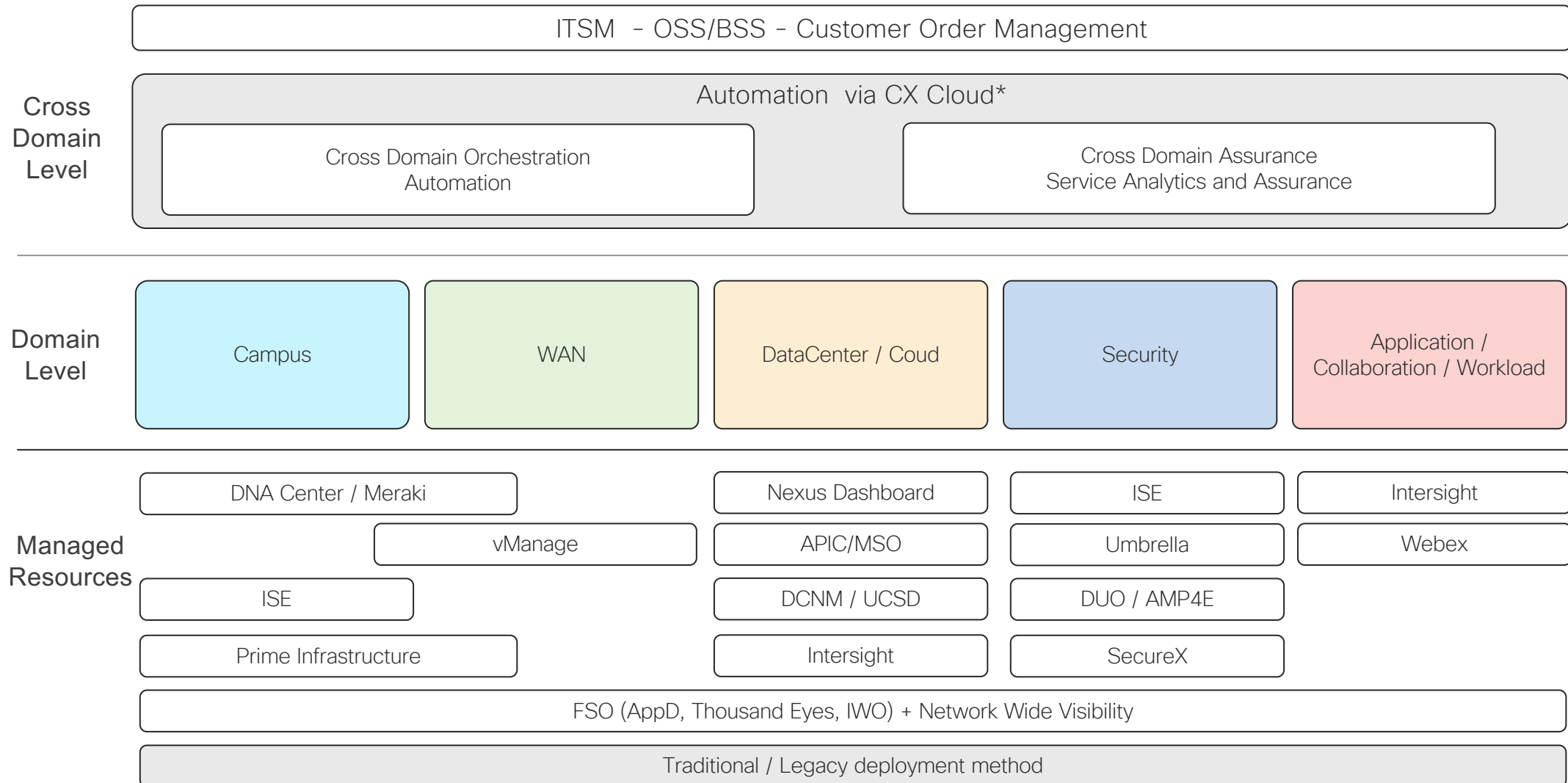
Collaboration

Visibility

3<sup>rd</sup> party

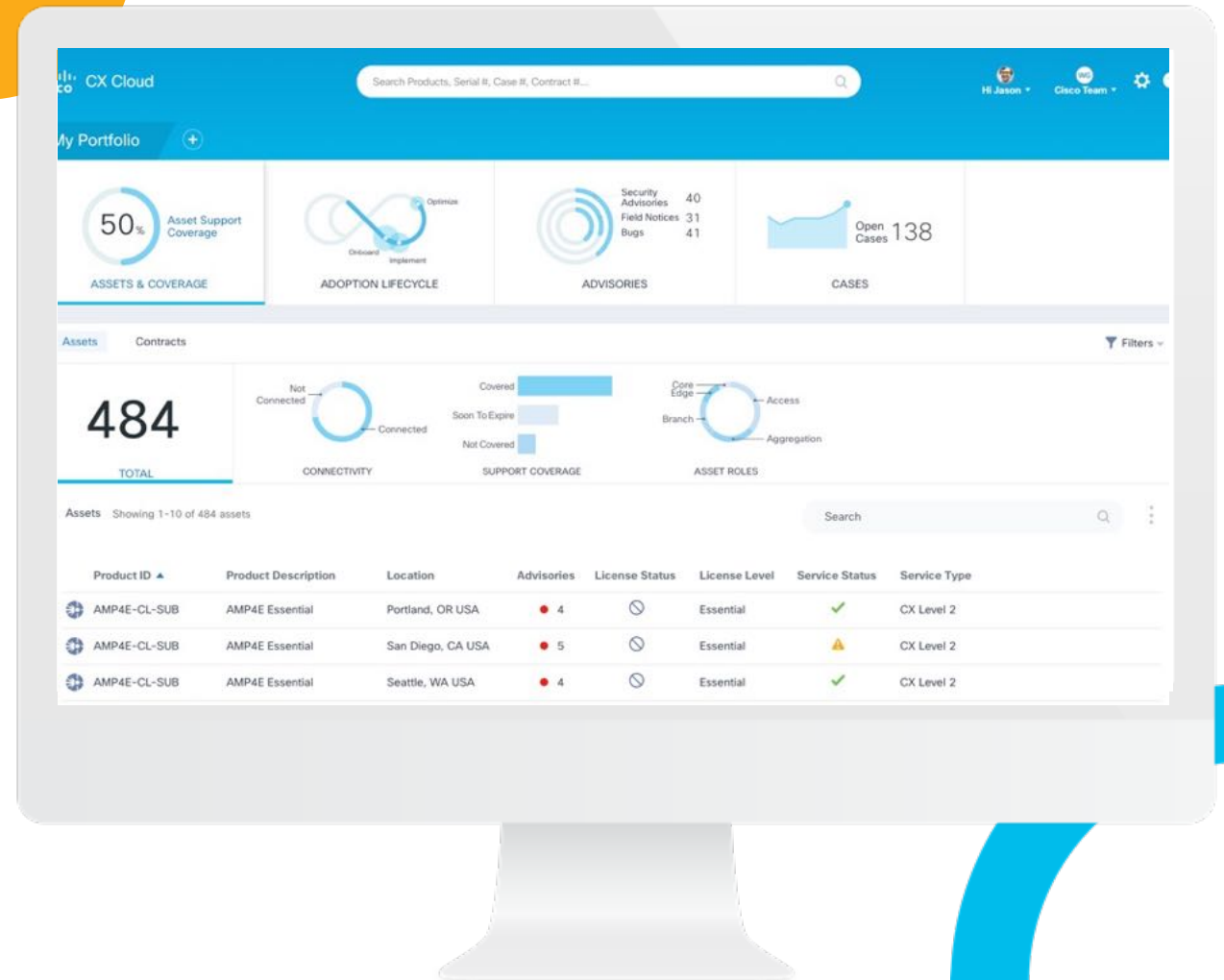
Domain  
Controller

# Automation and Service Assurance is Required in the Domain as Well as the Cross-Domain Levels





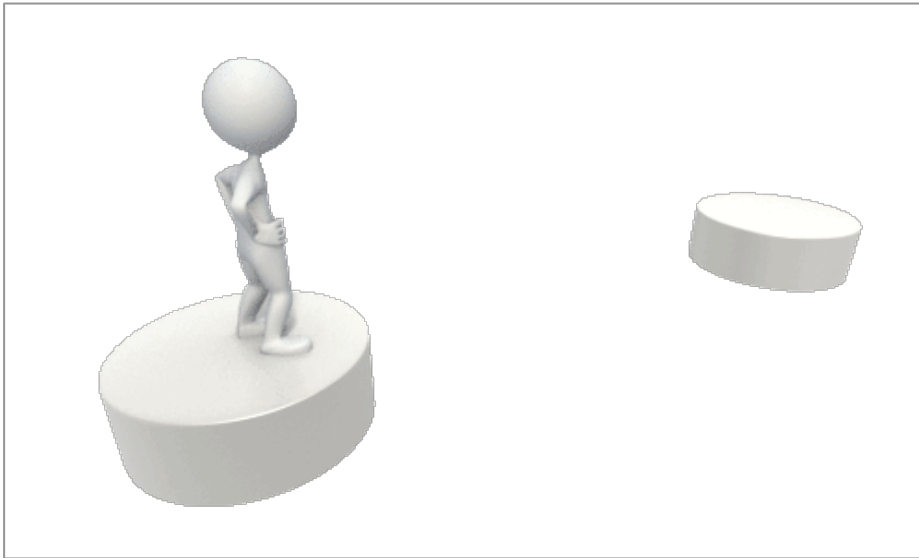
# CX Cloud Demo



The What's Next



# Think use case & Outcomes



“Too much thought into the process kills innovation and at times, the outcome altogether.”

Torrón-Lee Dewar,  
[Creativity is Everything](#)

# Network Wide Visibility





# Customer Pain Points and Problem Statement



Multiple instances

Multi-controller deployment in a single domain (single domain MoM)

*Examples: Multiple DNAC appliances, Multiple ACI deployment, Multiple vManage*



Controllers deployed across multiple domains

*Examples: Branch with DNAC/Meraki & vManage, Data Center with Intersight, DCNM and ACI*



Northbound tools integration (ITSM, IPAM, etc)

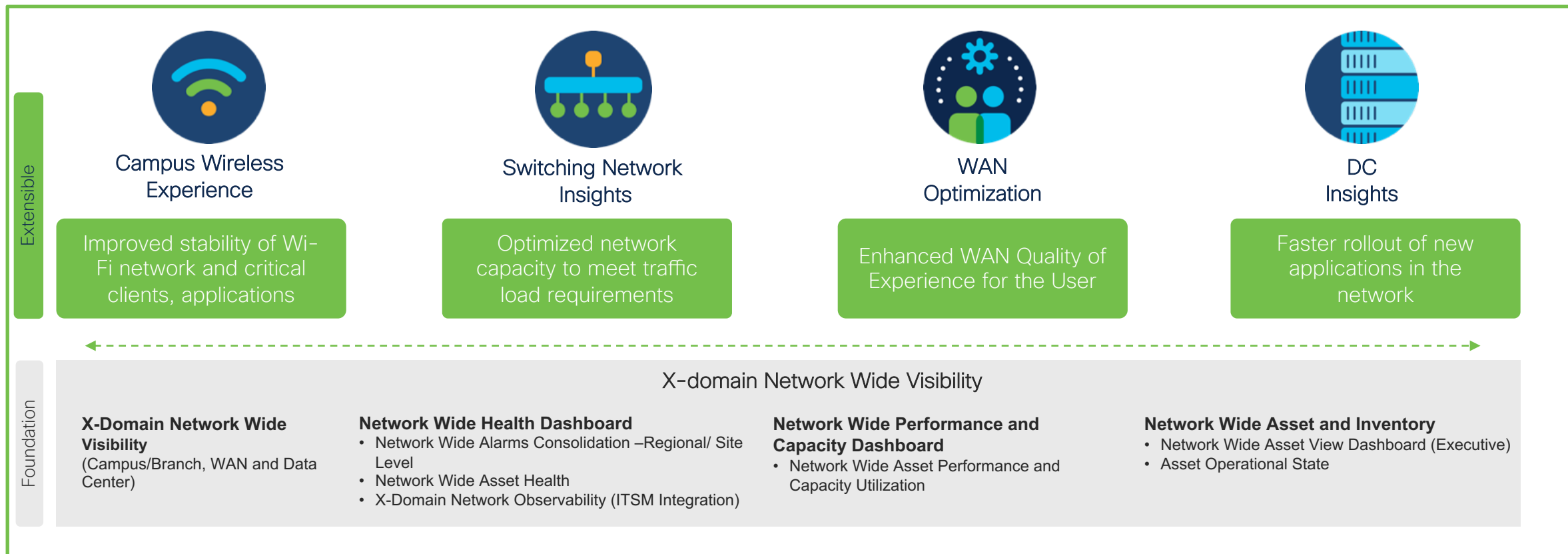
*Example: CMDB integration with DNA Center, vManage, ACI, etc*



Centralized Alarm dashboard and correlation across domains

*Example: Alarms across DNAC, vManage, ACI and correlation of alarms across adjacent domains*

# Enterprise Network Analytics: Domains & x-domain NWV



# Network Wide Visibility Demo



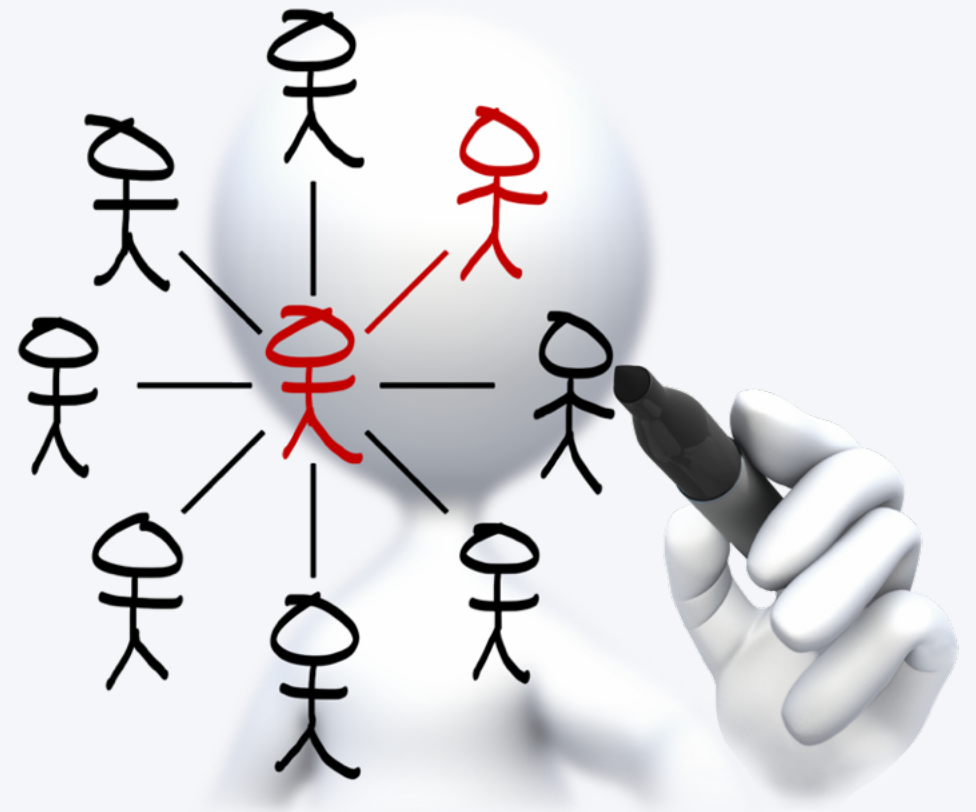
# What's Next

How can I start with CX Cloud?

- You need a CX Collector, Smart Account and a DNA Center or supported domain – lets go!

Our advice

- Try it out (Try and Buy available soon) or purchase your license
- Import your assets
- Start a pilot and get into production





# Summary



# Automation-X Use Case examples



Automation X  
WorkCentre on CX Cloud



Software Conformance  
Network wide SW upgrade



Migration  
Simplify transition to next-gen arch



Security Policy  
Enterprise Security & Policy Management



ZTP / Device Activation  
PnP, New devices, Migration support



RMA  
Device replacement



Golden Config / Template  
Golden config compliance and enforce



HW / SW Life Cycle  
Life Cycle Management



Network Wide Visibility  
Unified Dashboard for network



Alarms and Incidents  
Alarm management and correlation



FSO  
Full Stack observability



Compliance  
SW, Certs, Configuration



E2E QoS  
QoS Provisioning, Maintenance  
and Visibility



Cross Domain Technology  
Network + Security + 3<sup>rd</sup> party

# Additional Resources

Discover the business benefits of Cisco Success Tracks

CX Cloud on CCO:

<http://www.cisco.com/go/cxcloud>

We invite you to download the Forrester report (in English) to learn more about Cisco Success Tracks.

Please use this [link](#) for download.

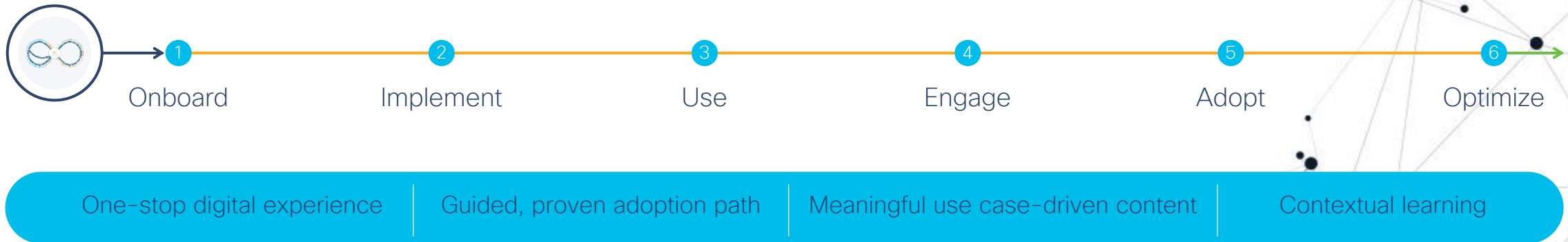
(<https://cloud.path.cisco.com/forrester-study-lp?ccid=cc001428&oid=otrsas026489&dtid=odicdc000509>)



# *The one stop corner to operate your IT*

*Here is how you can accelerate*

with Success Tracks





Fragen?





# OUTLOOK Upcoming Virtual Espresso

- Blog:  
<http://cs.co/vEspresso>
- Topics:
  - 09.02.2022: von 0 auf 100-ThousandEyes
  - 23.02.2022: Netzwerk Trends in der hybriden Arbeitswelt
  - 09.03.2022: Switching Innovations
  - 23.03.2022: WiFi Innovations
  - 06.04.2022: Routing Innovations





dankä villmal  
grazie mille  
merci beaucoup  
grazia fitg  
thank you

