

# 시스코 INTERSIGHT

시스코 코리아

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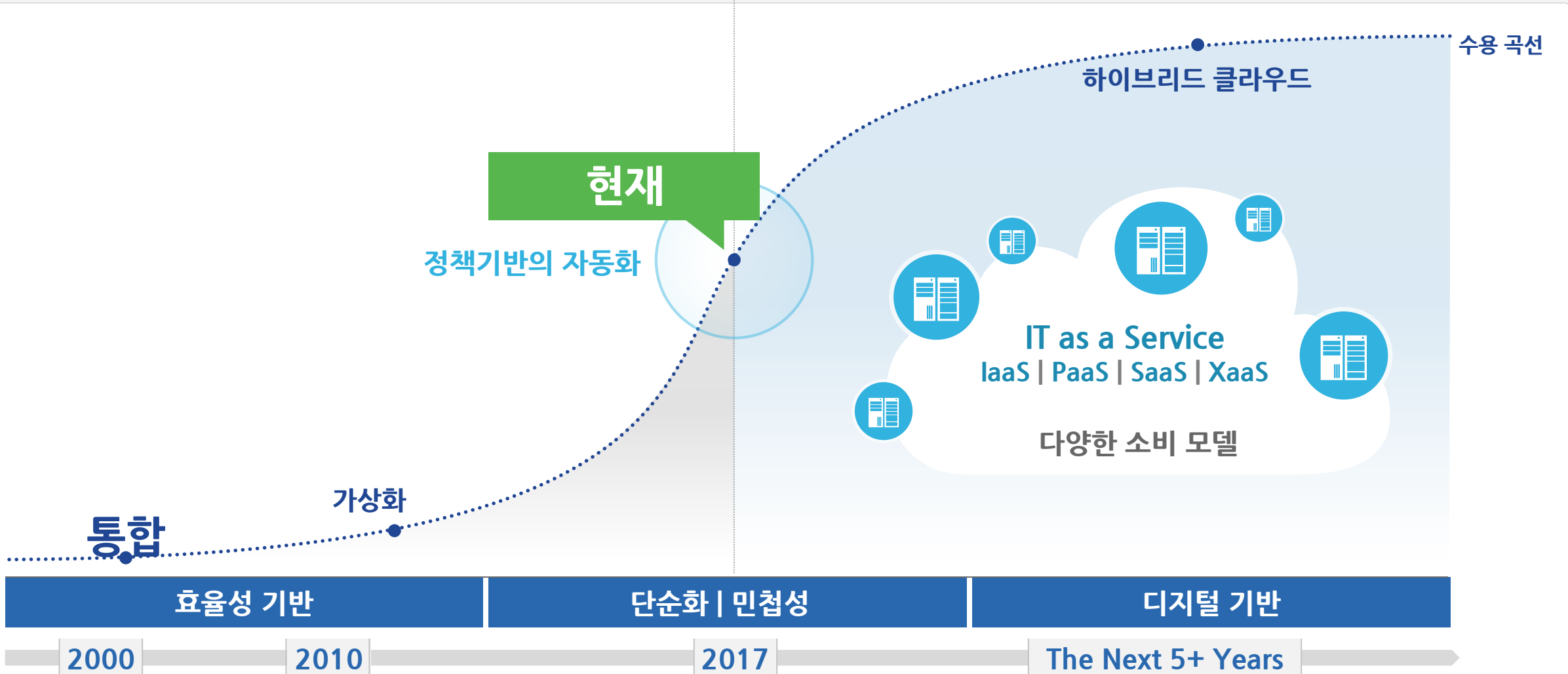
Nov. 2017

# *Changing IT Landscape*

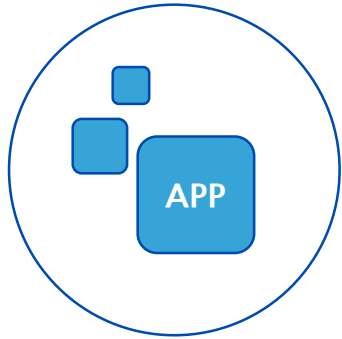
# 데이터센터 변혁의 기점에 서다.

전통적인 데이터센터

클라우드 기반 데이터센터



# 데이터센터, 클라우드의 요구



## 어플리케이션

On-Premise or cloud?  
Build/Buy/Rent?



## 민첩성

Provision Infra @  
어플리케이션 개발



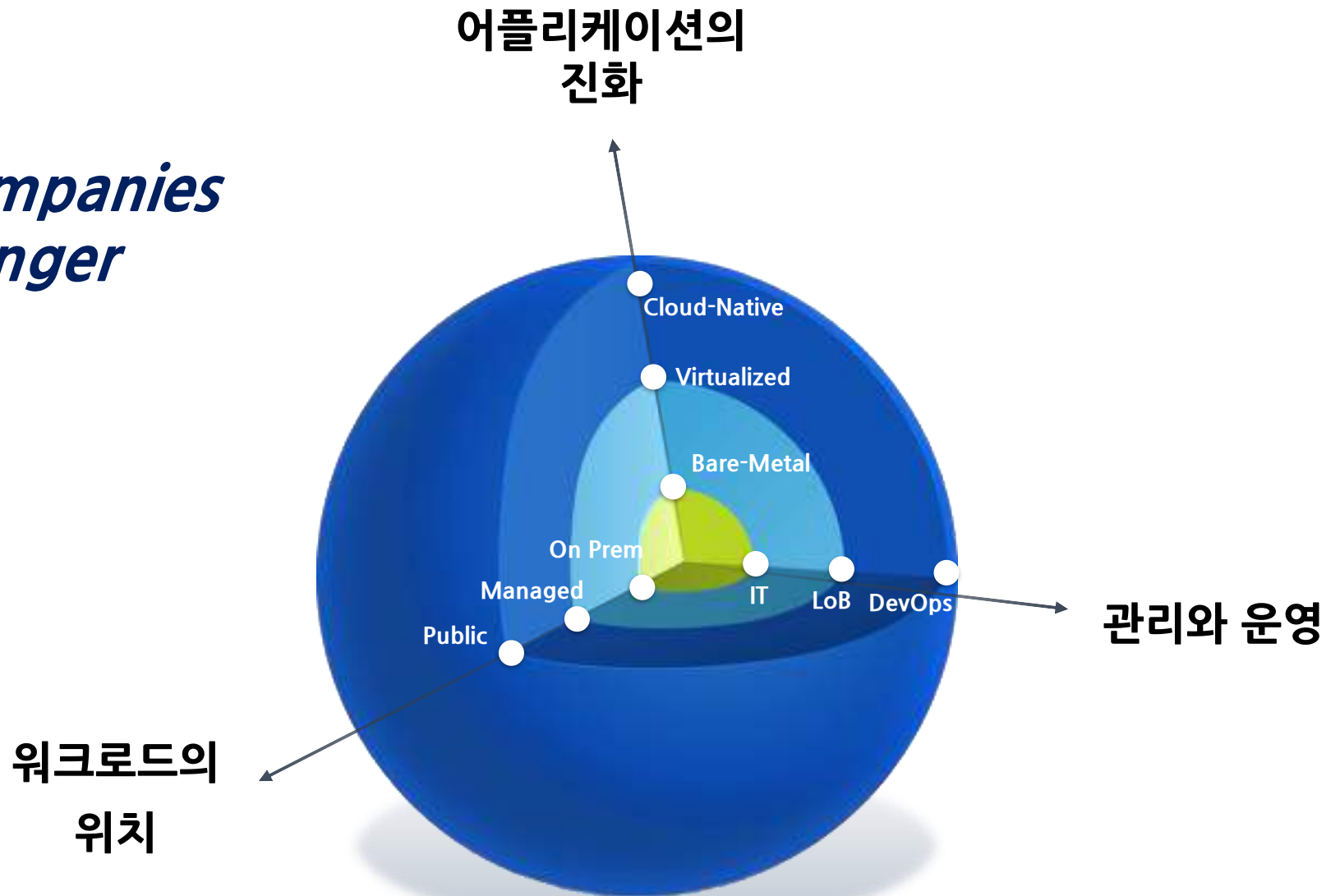
## RISK의 최소화

보안, 호환성

# 데이터센터, 클라우드에 대한 디지털 트랜스포메이션

*“50% Fortune500 companies are expected to no longer exist within 10 yrs”*

- John Chambers



A photograph of a server room with rows of server racks. A person is walking in the background. The text '시스코는?' is overlaid on the left side of the image.

**시스코는?**

# 통합관리 통한 완벽한 서버 라인업을 완성

## 단일 인프라 관리 모델

UCS Manager

UCS Director

Enterprise Cloud Suite

The grid displays three main management models and their associated server solutions:

- UCS Manager:** Includes icons for email, shopping cart, analytics, network, storage, and settings. It features **UCS Mini** (a small server rack) and **4세대 UCS 솔루션** (fourth-generation UCS solution, shown as a rack of servers).
- UCS Director:** Includes icons for a cloud and a server rack. It features **하이퍼플렉스 시스템** (HyperFlex system, shown as a FlexPod server rack).
- Enterprise Cloud Suite:** Includes icons for a server rack, cloud, Ceph, and VMware. It features **UCS 랙 시리즈** (UCS rack series, shown as a rack of servers) and **UCS C3160** (shown as a laptop).

Below the grid, three categories are listed:

- 주요 컴퓨팅 서비스 인프라** (Major computing service infrastructure) - associated with UCS Manager.
- 통합 인프라** (Integrated infrastructure) - associated with UCS Director.
- 하이퍼컨버지드 인프라** (Hyperconverged infrastructure) - associated with UCS Director.
- 스케일 아웃 인프라** (Scale-out infrastructure) - associated with Enterprise Cloud Suite.

사용자 엣지

코어 데이터센터

클라우드



# Power of Cisco UCS

FlexPod



NetApp

Vblock



VCE

Cisco  
VSPEX



EMC<sup>2</sup>

HDS UCP  
Select



Hitachi

SmartStack



Nimble  
Storage

Cisco UCS for  
Red Hat  
OpenStack



Red Hat  
OpenStack

VersaStack



IBM

Flash Stack CI



Pure Storage

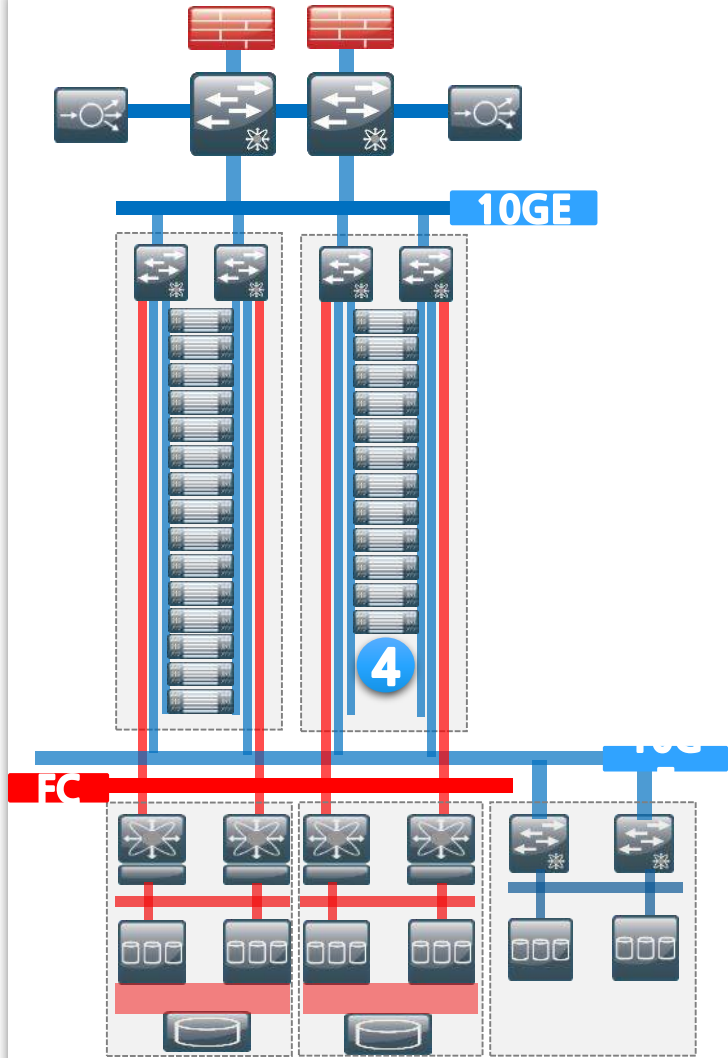
**150,000 유저 VDI**

**300,000 VM 클라우드 / 가상화**

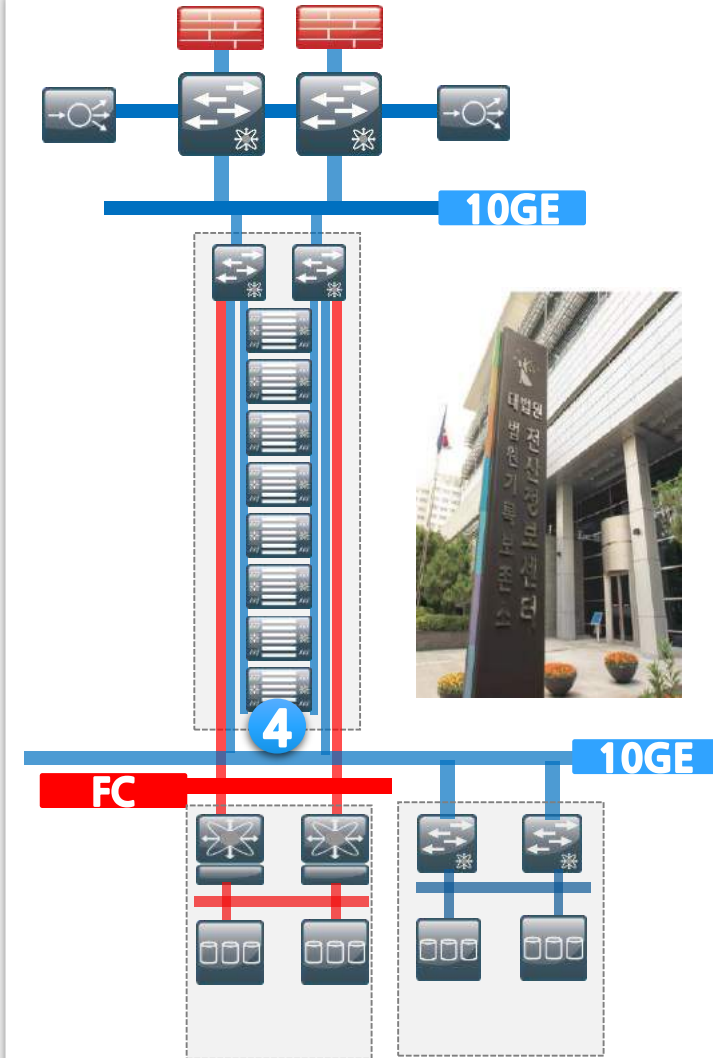


# 시스코 UCS 국내 고객 사례

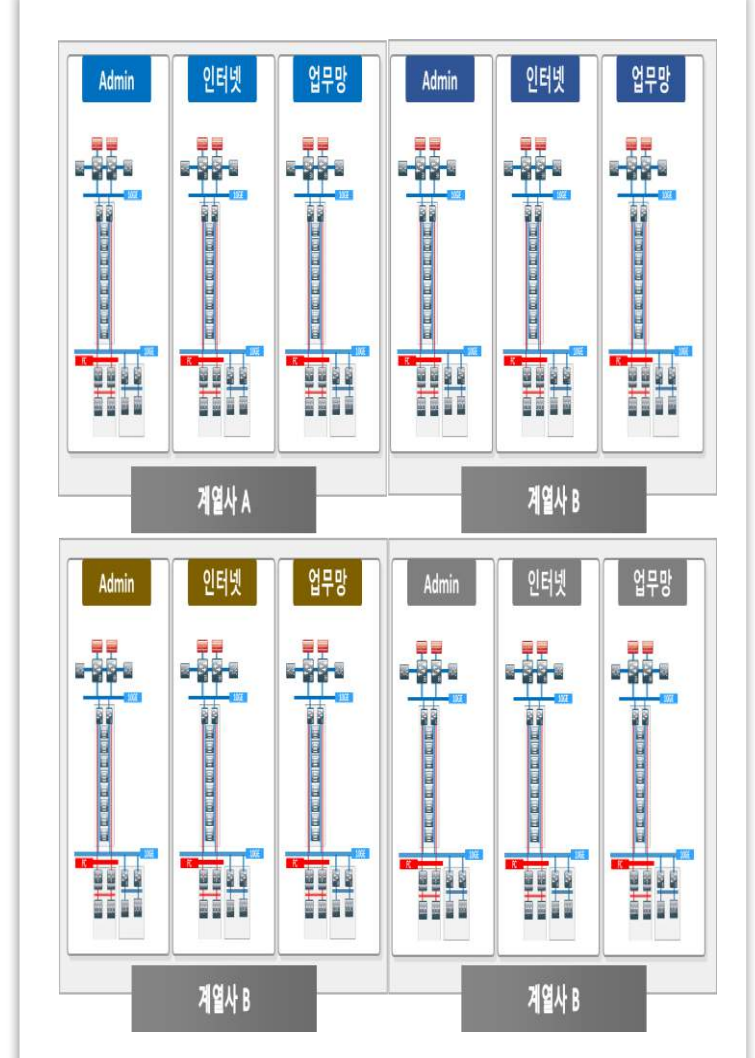
## 국내 최대 규모 제조 VDI



## 국내 최대 규모 공공 VDI



## 국내 최대 규모 금융 VDI

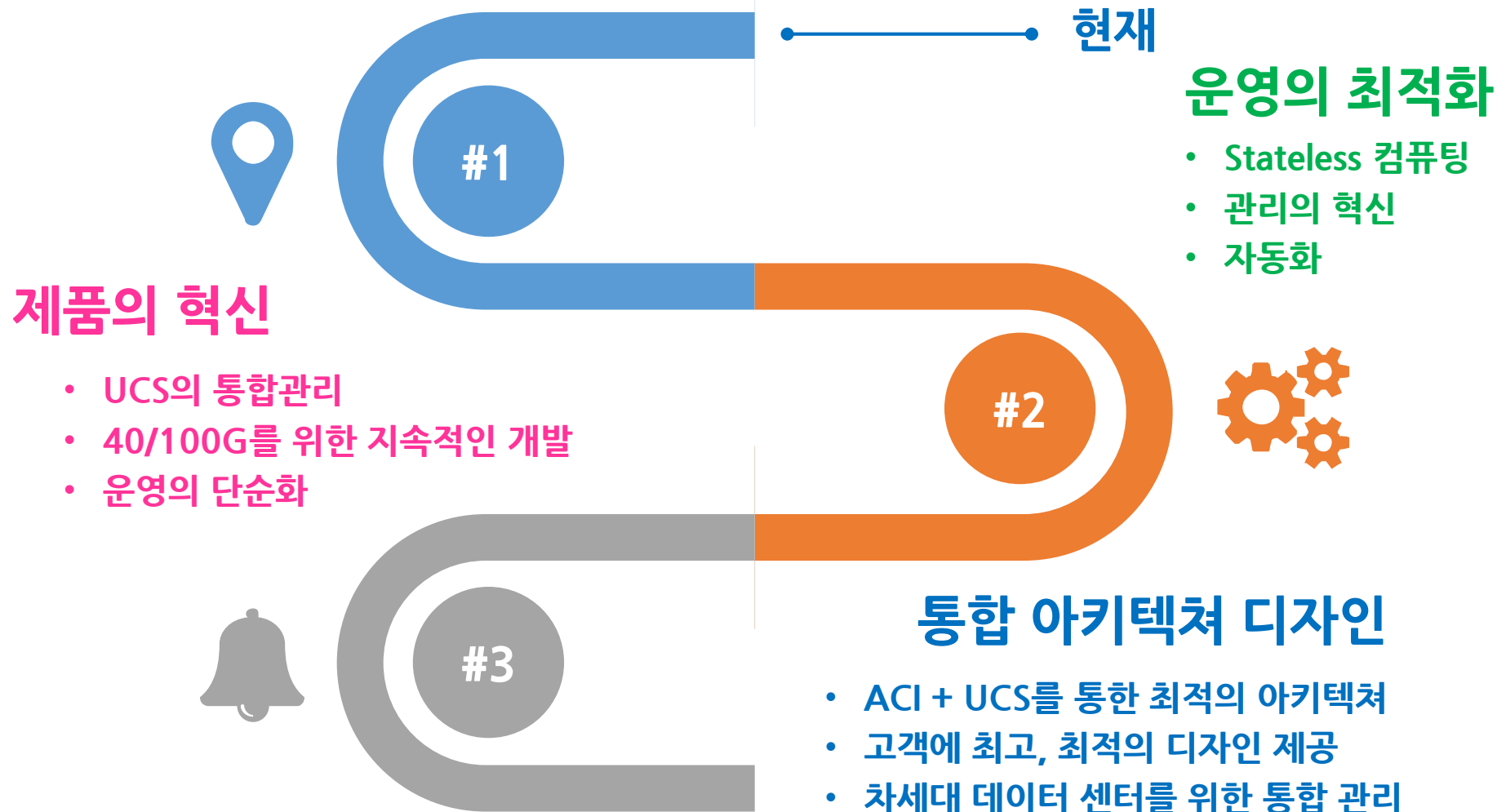






A photograph of a server room with rows of server racks. A person is walking in the background. The text '시스코 INTERSIGHT' is overlaid on the image.

# 시스코 INTERSIGHT



구축의 단순화

Because it's a system, not a server



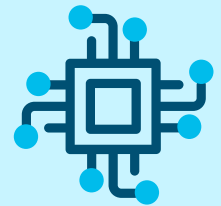
다양한 성능

One system, all workloads



검증된  
아키텍처

Unified yet modular architecture



# 자동화를 통한 검증된 결과



## Speed

**83%** | Reduction in provisioning times<sup>4</sup>

**75%** | Reduction in UCS execution time<sup>5</sup>

**29%** | Faster application development life cycles<sup>1</sup>



## Efficiency

**48%** | Lower IT infrastructure costs<sup>1</sup>

**68%** | Reduced staff time needed for server management

**30% - 50%** | IT productivity savings<sup>3</sup>



## ROI

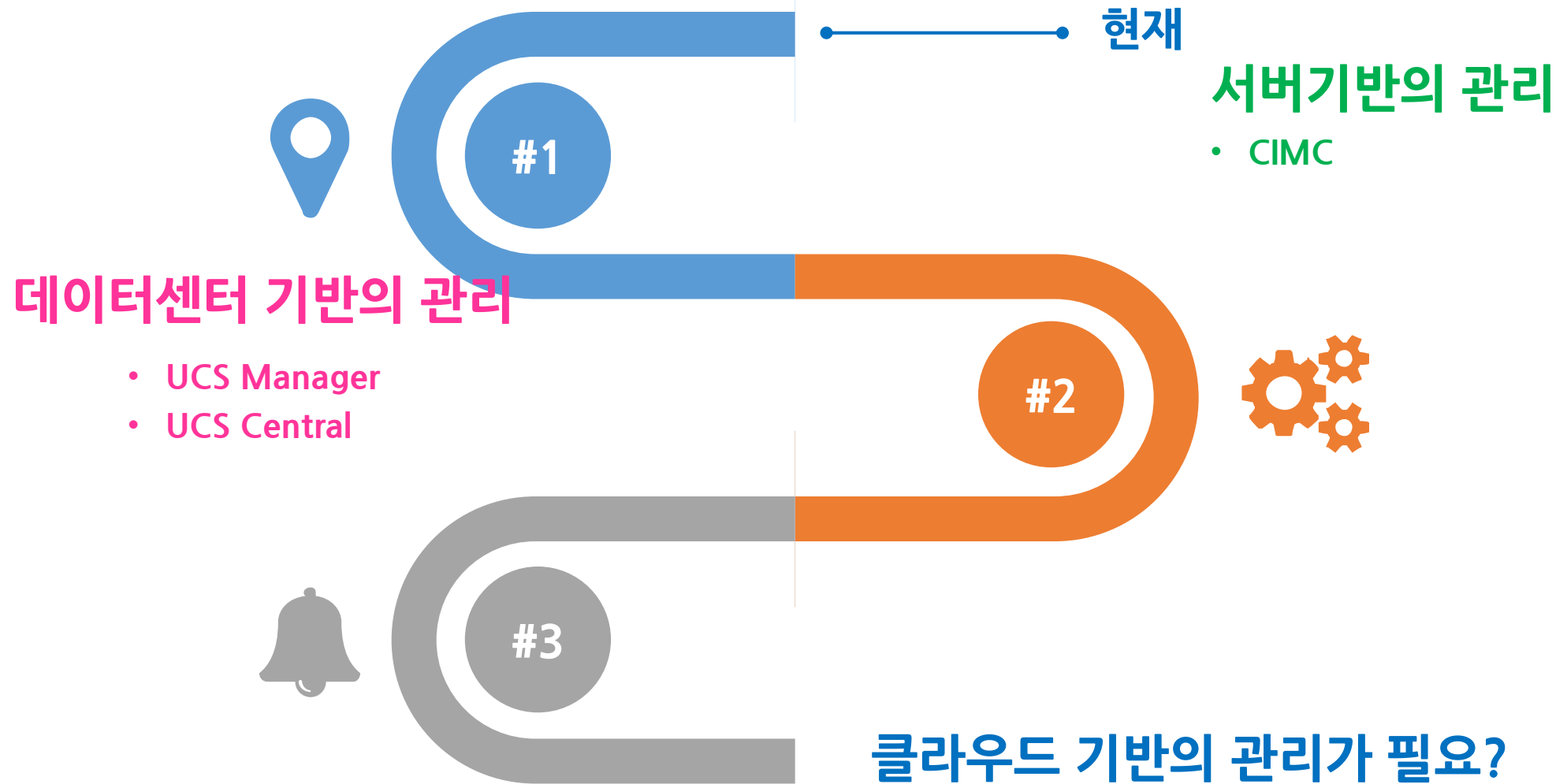
**528%** | 5-year ROI<sup>1</sup>

**368%** | 5-year ROI<sup>4</sup>

**202%** | ROI<sup>2</sup>

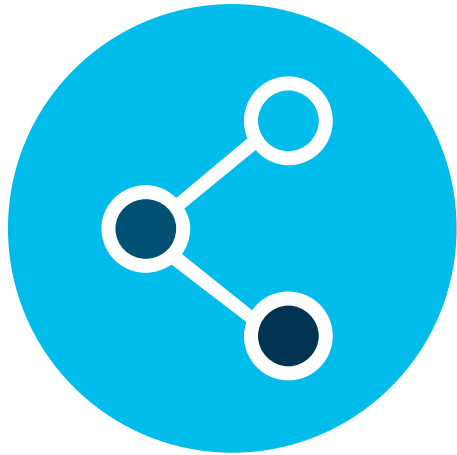
### Sources:

1. IDC, "The Business Value of Cisco UCS Integrated Infrastructure Solutions for Running SAP Workloads", #US41084916, Dec-16
2. Forrester Research, "The Total Economic Impact of the SmartStack Integrated Infrastructure Solution", Jul-16
3. IDC, "The Total Economic Impact of Cisco Unified Computing System", Jul-14
4. Based on 103 customer case studies
5. IDC, "The Business Value of Cisco UCS as a Platform for SAP HANA:", Sep-14





# 우리가 직면한 도전



분산된  
Apps 그리고 IT

---

Physical and Virtual Sprawl,  
IoT, Microservices



Human  
Limitations

---

Scale, Speed, Complexity in  
Modern Data Centers is  
Unmanageable



전통적인 관리

---

Building a Monster to  
Manage the Monster

# 차세대 시스템 관리를 위한 전략



Use the Cloud

1

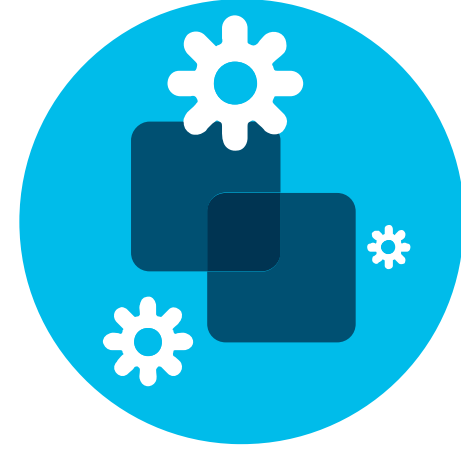
Connect Everything



Analyze the  
Telemetry

2

Create Actionable Insight



Combine Insight  
with Automation

3

Have Machines  
Manage Machines



## 트렌드 #2: Analytics, Machine Learning, AI



### Example:

Advanced Driver Assistance Systems (ADAS)

**Definition:** Automate, adapt and enhance driver activities for better driving and safety

**Examples:** blind spot monitor, collision warning, lane departure warning, automated parking, etc.



### Cisco Vision for Data Center

Intuitive Infrastructure

**Definition:** Automate, augment and continuously optimize operations for efficiency and security

**Examples:** predictive analytics, recommendation engines, proactive support, autonomic optimization and orchestration, etc.

# Cisco Intersight



Intuitive  
Experience



Enhanced  
Support



Proactive  
Guidance



Secure and  
Extensible

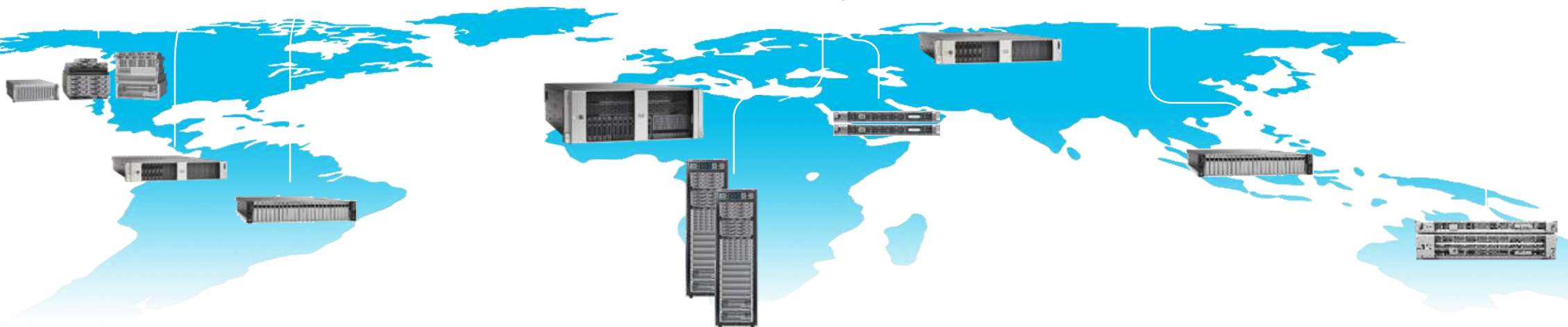


SaaS  
Delivered

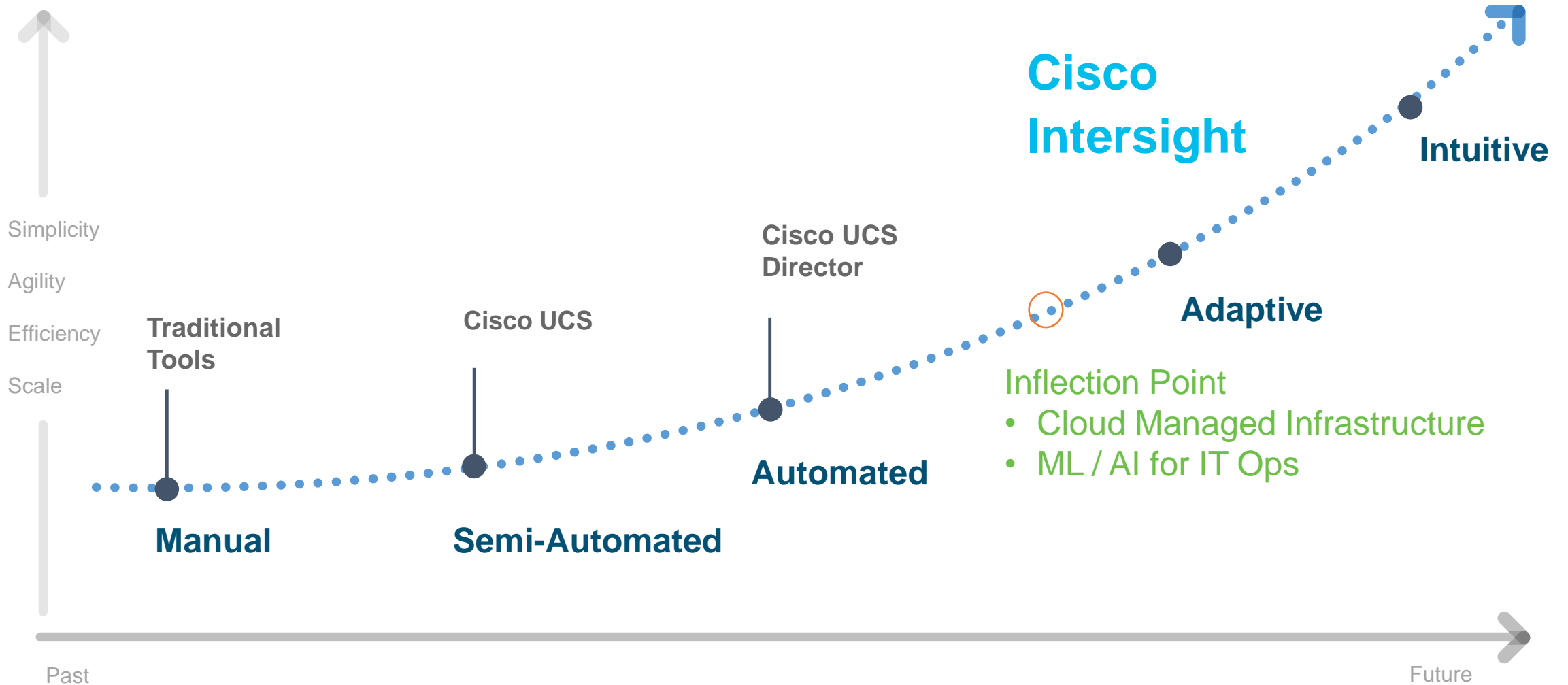
SaaS  
Simplicity



Actionable  
Intelligence



# 인프라 관리의 Evolution



# Introducing Cisco Intersight



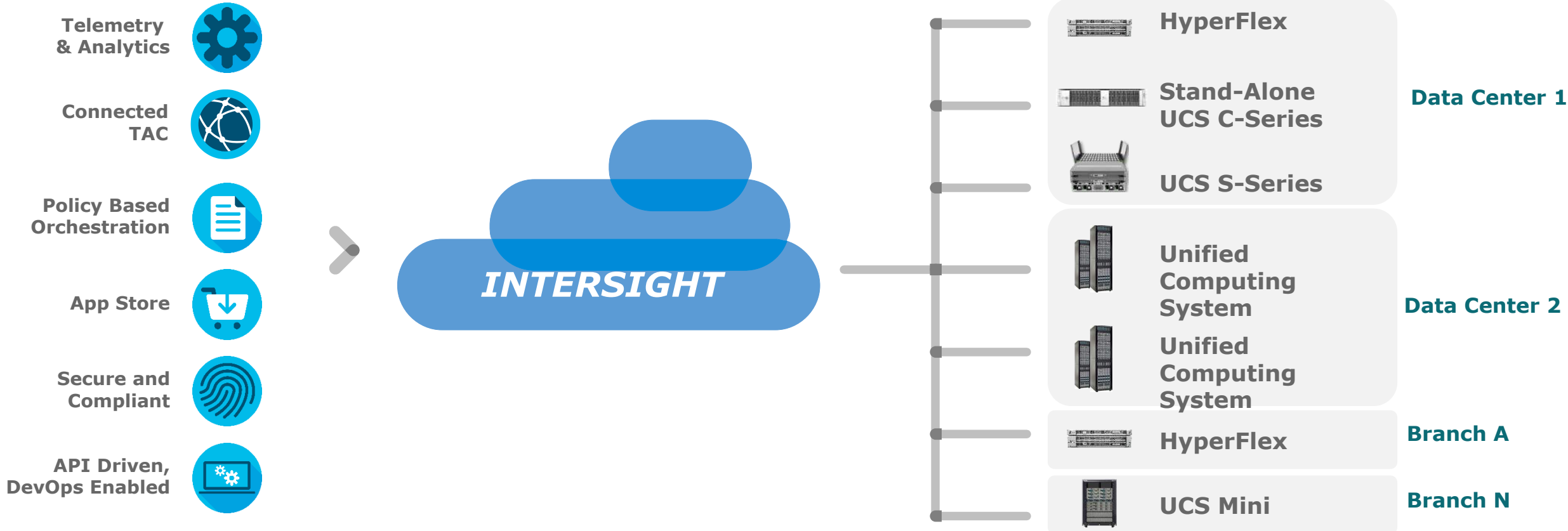
*IT'S NOT A SERVER.*



*IT'S A SYSTEM.*

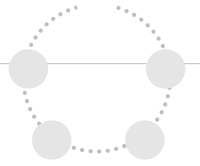


# UCS INTERSIGHT: Cloud Managed Infrastructure





# Cisco Intersight: 직관적인 Experience Role-Customized



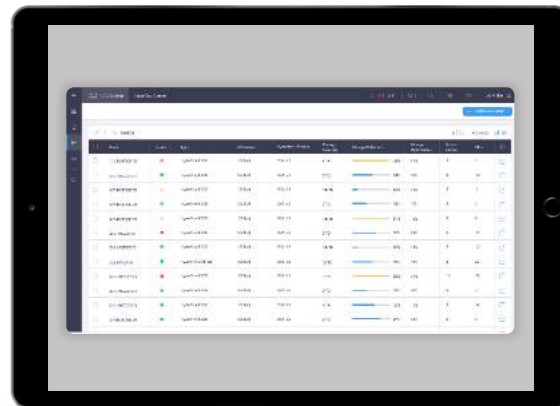
- Role-based access control + customized portals and dynamic content
- User customizable interface; tagging & search
- Drill down to specific information and tools



IT Admin



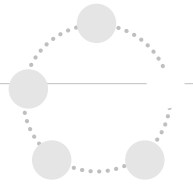
DevOps Admin



Developer

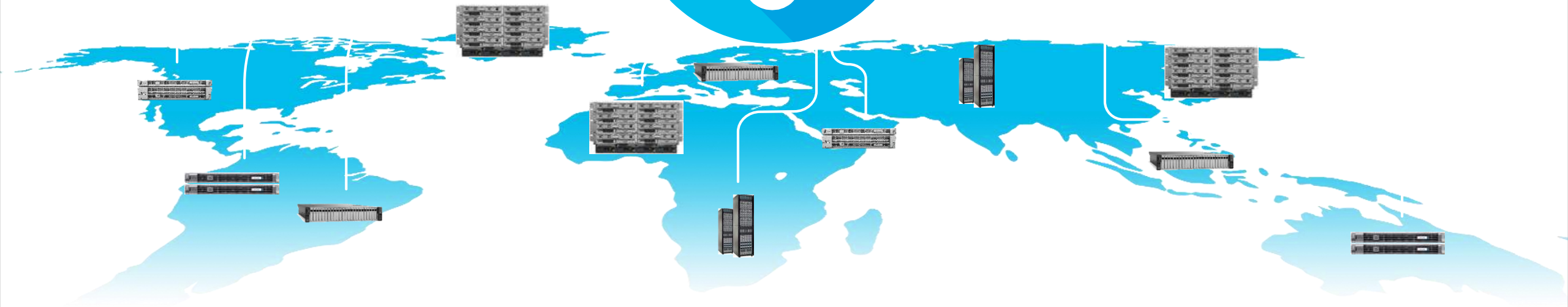


# Cisco Intersight: Enhanced Support Connected TAC

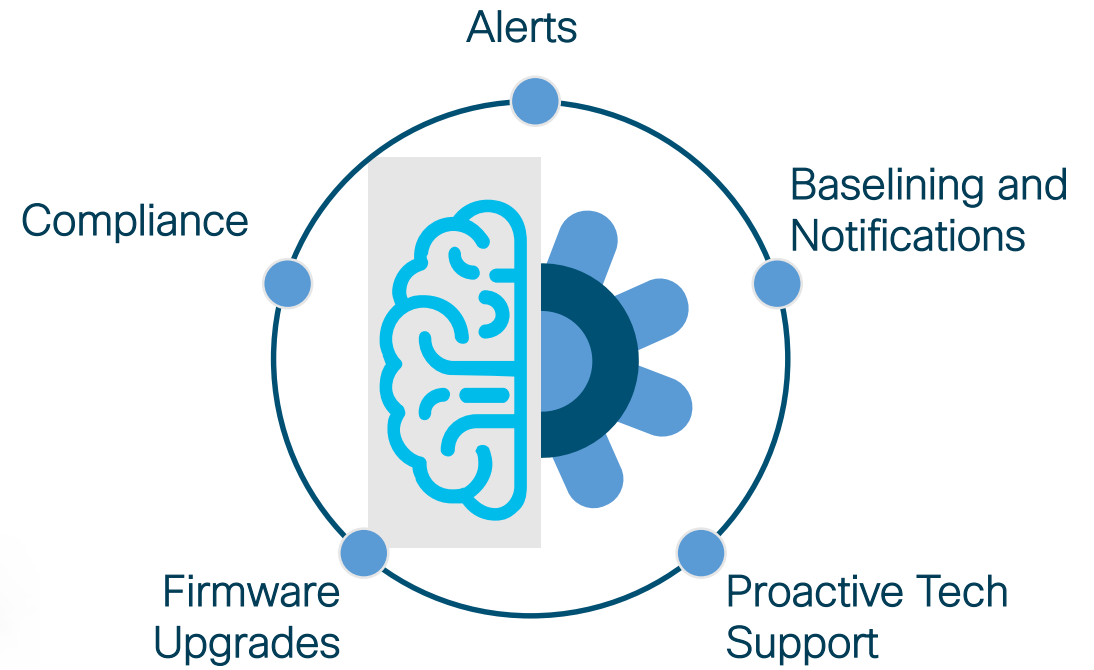
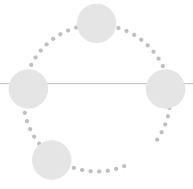


**Today:** Automated transmission of technical support files to the Cisco Technical Assistance Center (TAC) for accelerated troubleshooting

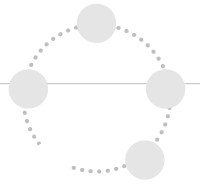
**Future:** Telemetry collection, issue fingerprinting, proactive alerting & remediation



# Cisco Intersight: 사전 예방적인 Guide Recommendation Engine



# Key Features in Intersight Security Architecture



Use of industry standard security protocols



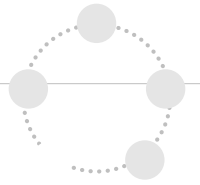
Encryption of all data



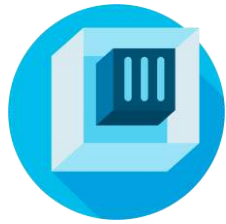
Compliance with stringent Cisco InfoSec security and data handling standards

# Device Connector

## Enabling Cisco UCS SaaS Hosted Management



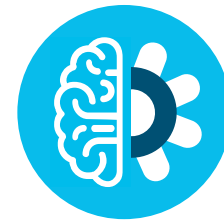
UCS Cloud Connector Enables Cloud Hosted Management of Cisco UCS Hardware



**Pre-Packaged**



**Secure**



**Telemetry**



**Connected**



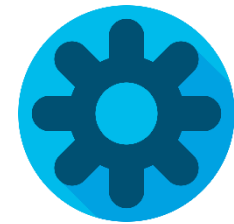
**Configurable**



**Instrumented**



**Intelligent**



**Policy-driven**



# UCS INTERSIGHT: HyperFlex/UCS Multi-site Management

Automation | Analytics | Proactive TAC | Recommendation Engine

**UCS INTERSIGHT +  
HyperFlex &  
HyperFlex Edge**



**Simplified Compute and  
Storage Management Across  
Sites**



Branch 1



Branch 2



Branch 3



Branch 4



Branch 5

# UCS INTERSIGHT: Benefits



## Unified Management

Single pane of glass, consistent operations model and experience for managing all systems and solutions



## Recommendations

Embedded recommendation platform with insights sourced from across Cisco installed base and tailored to each customer



## SaaS/Subscription

Hosted management will free customers from care/feeding of management tools and eliminate upgrade dependencies



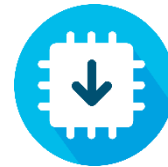
## Enhanced Support Experience

Hosted platform allows Cisco to address issues platform-wide and experience extends into TAC supported platforms



## Programmability

End to end programmability with native API, SDK's and popular DevOps toolsets will enable customers to consume natively



## No-Impact Transition

IMC/UCSM/HX embedded connector will allow customers to start consuming benefits without forklift upgrade

# UCS INTERSIGHT: Simplified Automation with API

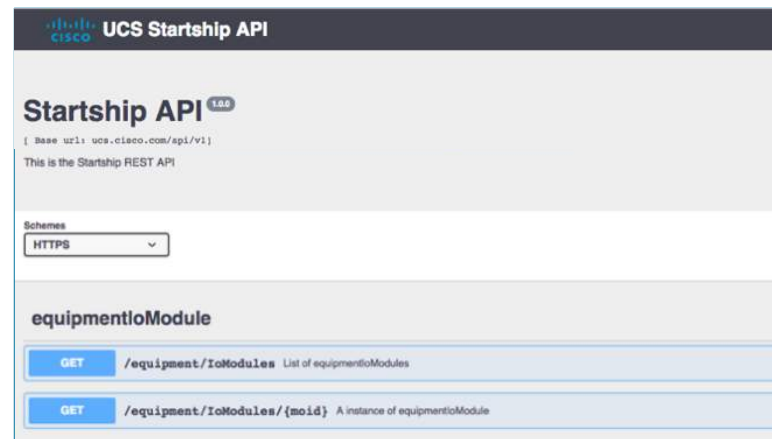
One programming model  
(infrastructure and solutions)

- Deploy, Configure, Manage, and Monitor: at scale, all from one API

OData: interoperable RESTful API

- RESTful: a Design Pattern
- OData: a RESTful API Specification
- MSFT Azure, SAP, many others export OData APIs

API the foundation of SDK and  
DevOps Integrations



SDKs and  
DevOps  
Tools



CHEF™



ANSIBLE



puppet

Try it out

View the Docs and  
Generate Code in  
One Interface

# UCS INTERSIGHT Demonstration

# 맺음말

# UCS INTERSIGHT: Cisco Communities



Communities

Welcome, Guest | Help | Login

Search Cisco Communities

Find a Community

Partners

Global

Developer

Cisco Customer Connection

Contact a Sales Specialist

Cisco Communities > Technology > Data Center > Compute & Storage > Unified Computing System (UCS) > Documents

Browse



## UCS Starship: Cloud Based Management

Version 7

created by dsoper on Aug 1, 2017 8:25 AM, last modified by dsoper on Aug 22, 2017 11:33 AM

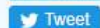
### UCS Starship Overview

This document provides an overview of the UCS Starship Service which can be used for cloud based management of UCS devices including Hyperflex, UCS Manager domains, and standalone UCS C-Series Servers. The UCS Starship service is currently in Tech Preview and available to anyone with a cisco.com ID and devices capable of connecting to the Starship Service.

Like 0



Share 29



### Currently Supported Devices

- HyperFlex version 2.5
  - Navigate to Settings->"Cloud Management Preview" to enable a Starship connection to your HyperFlex cluster
- UCS Manager 3.2
  - Navigate to Admin->"Device Connector" to enable a Starship connection to your UCS Manager domain
  - Read more on how UCS Manager 3.2(1) ushers in the UCS M5 generation servers and the next generation UCS management platform
- C-Series Standalone Software 3.1
  - Navigate to Admin->"Device Connector" to enable a Starship connection to your Integrated Management Controller (IMC)
  - Read more on Cisco IMC Software 3.1(1): Enabling UCS C-Series M5 servers and the next generation UCS management platform

### Actions

Post and Share (Login Required)

### More Like This

Cisco UCS Management Handbook

BT Cisco Technical Newsletter - June Edition

EMEAR Data Center and Cloud Partner Readiness Schedule

Cloud Connected Solution

The Next Generation of the Internet Revolutionizing the Way We Work, Live, Play, and Learn (Point of View Paper)

### Incoming Links

Cisco UCS Management Handbook

# UCS INTERSIGHT: Preview Available Now!

1. Cisco Communities INTERSIGHT article.
2. INTERSIGHT Portal <https://ucs-INTERSIGHT.com>
3. Send Us Feedback via Communities INTERSIGHT article.





**감사합니다.**

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