



The bridge to possible

Chasing operational simplicity

Cisco Knowledge Network

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Today's Presenters



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Marketing



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Management, Crosswork
Network Automation



Agenda

- Picking goals
- A different POV
- Something new from us

Automation lifecycle



Planning



Doing

Markers for success

Raising responsiveness

Accelerating the building, deploying and updating of apps, services and infrastructure

Increasing simplicity

Easing both development and operations effort

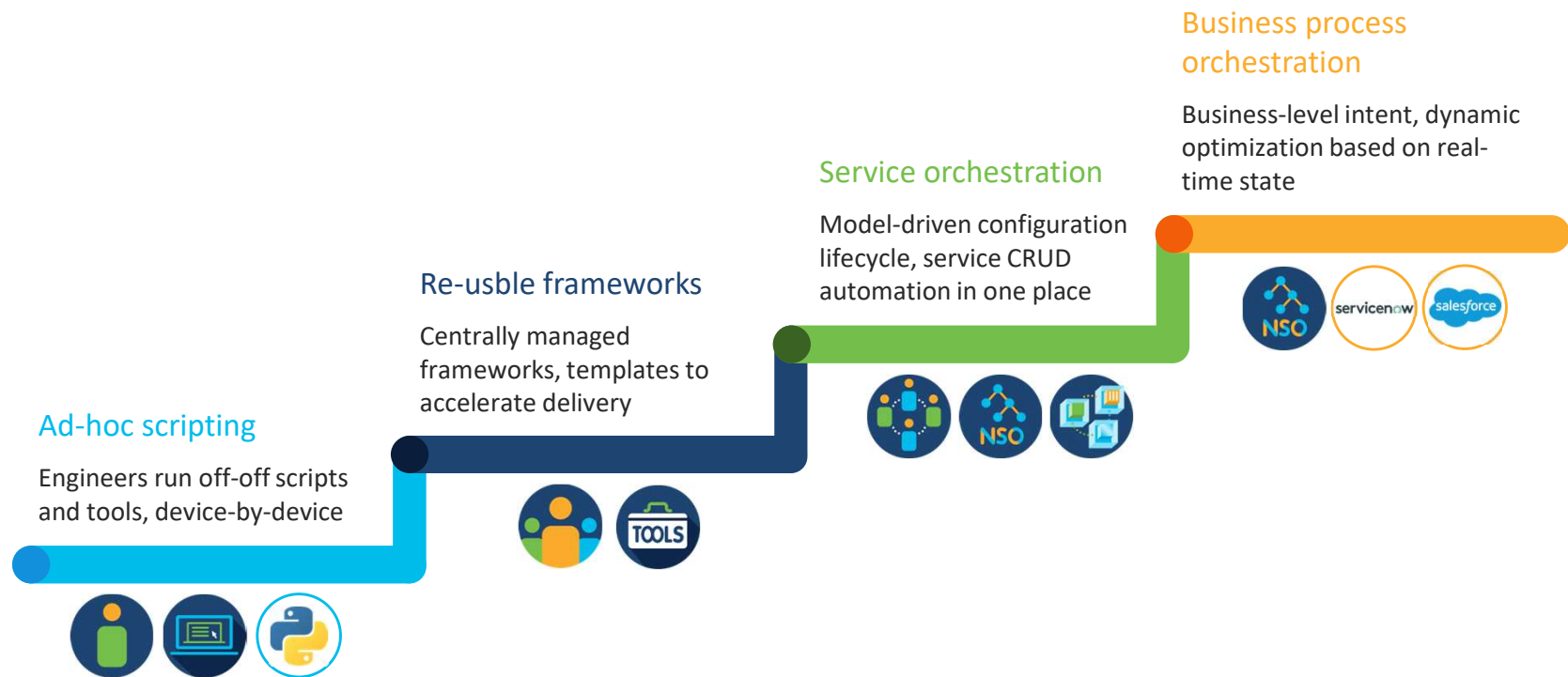
Getting smarter

Evolving from rapid + reactive to predictive + proactive

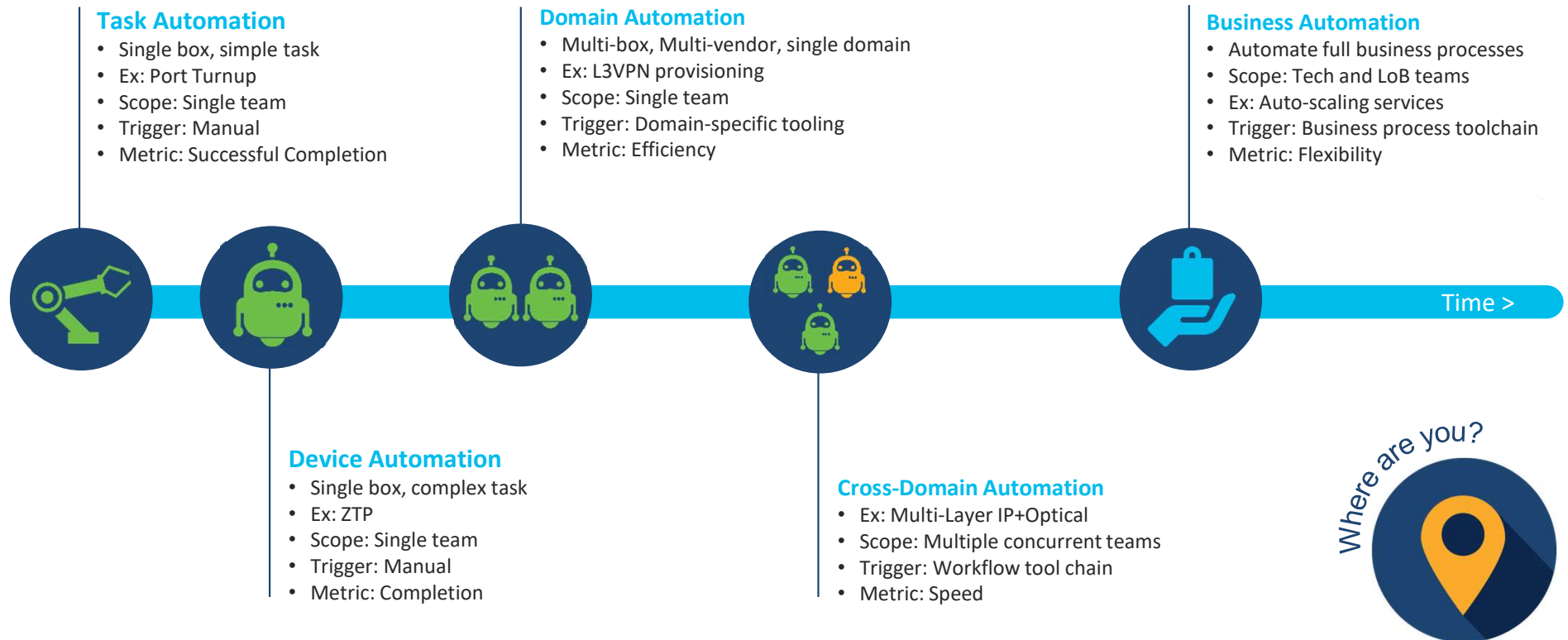
Becoming trusted

Broad adoption depends on reliable tools using accurate data to yield predictable outcomes

From science project to indispensable



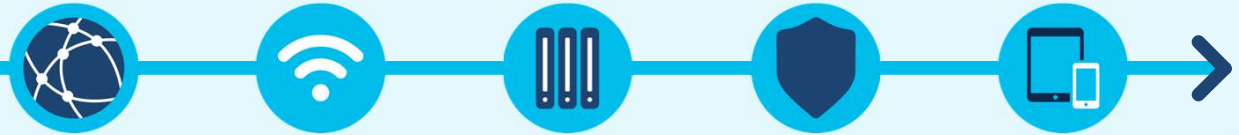
Value grows with scope...so does complexity



Picking the path forward (Hint: there isn't just one)

Technology-led

Automate a technology domain then progress to another



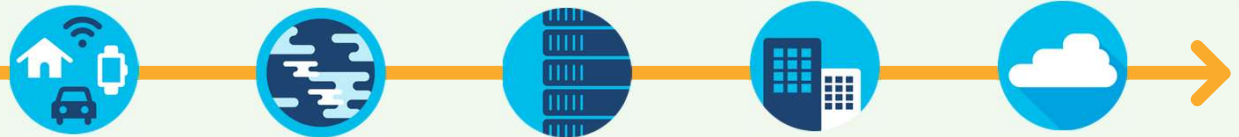
Process-led

Automate an end-to-end workflow then to another



Location-led

Automate based on geographic location

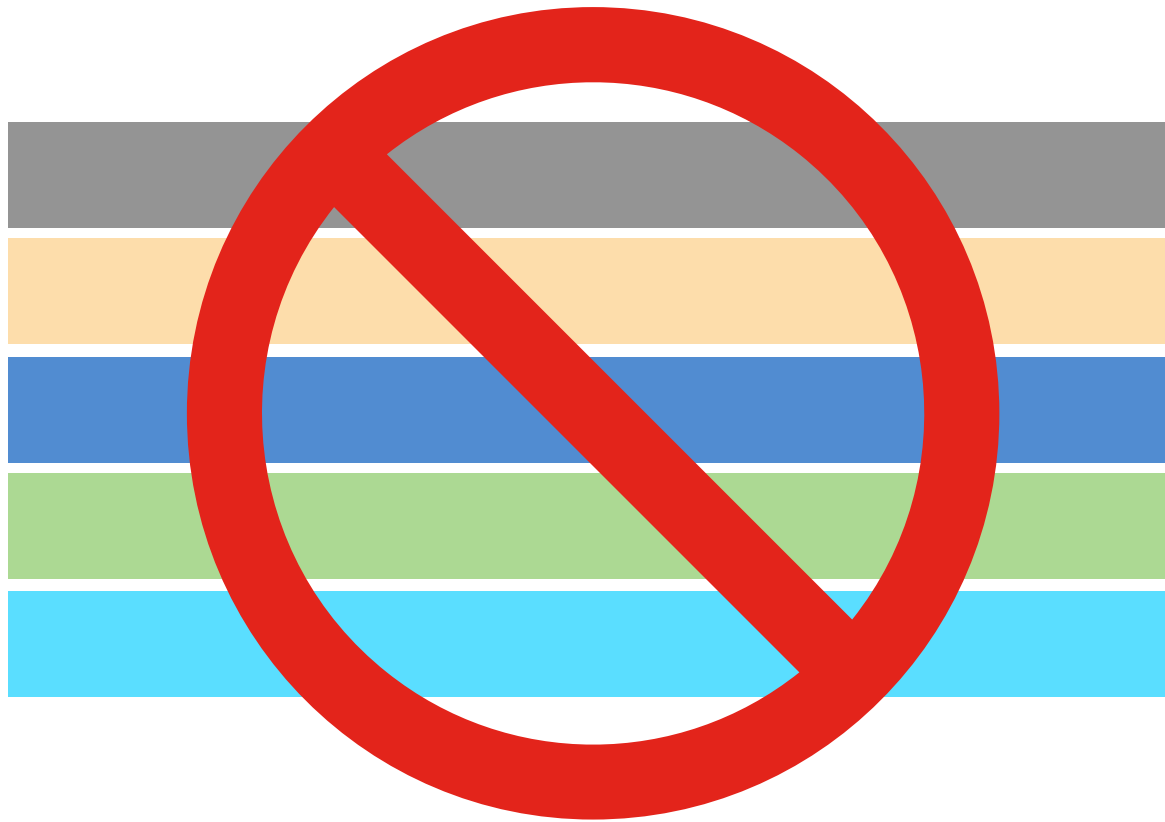


- Each approach has its benefits and drawbacks
- You will likely end up doing a bit of each
- The paths eventually converge

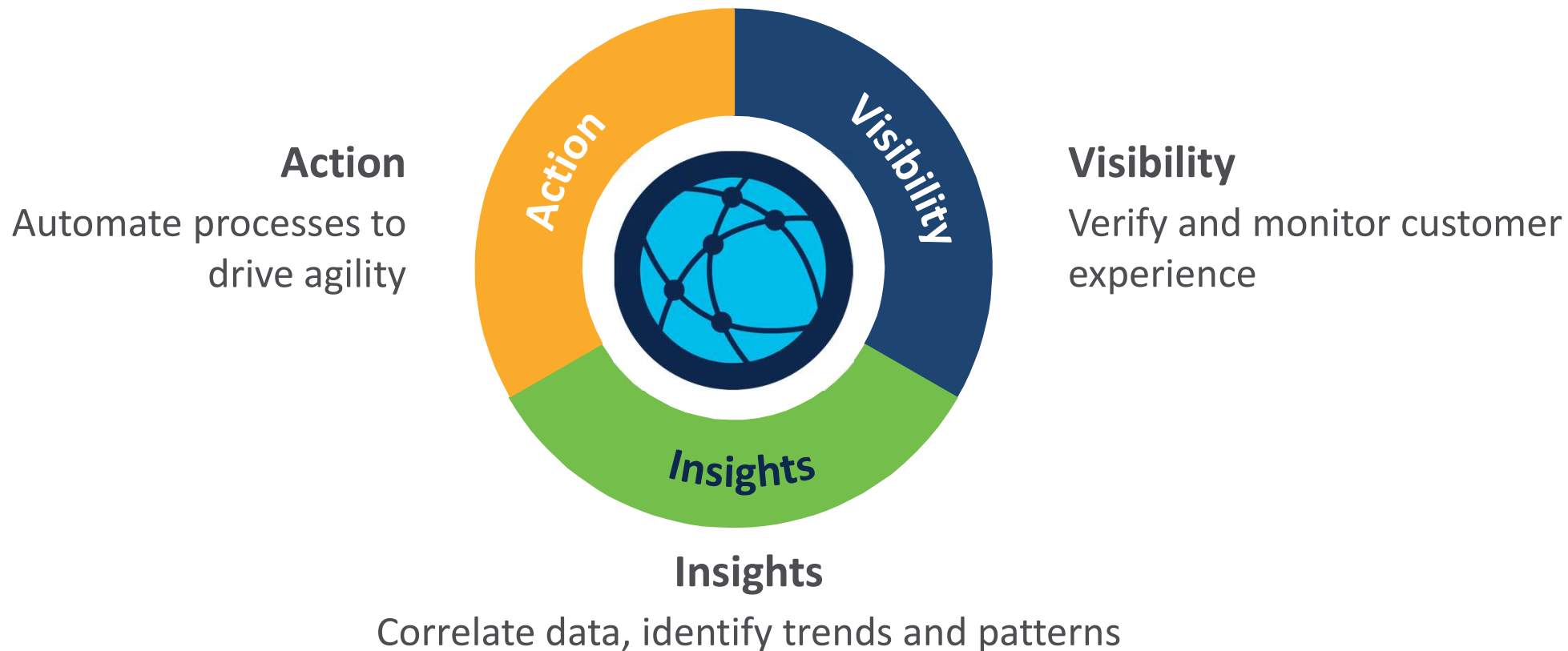
Automation is a team sport

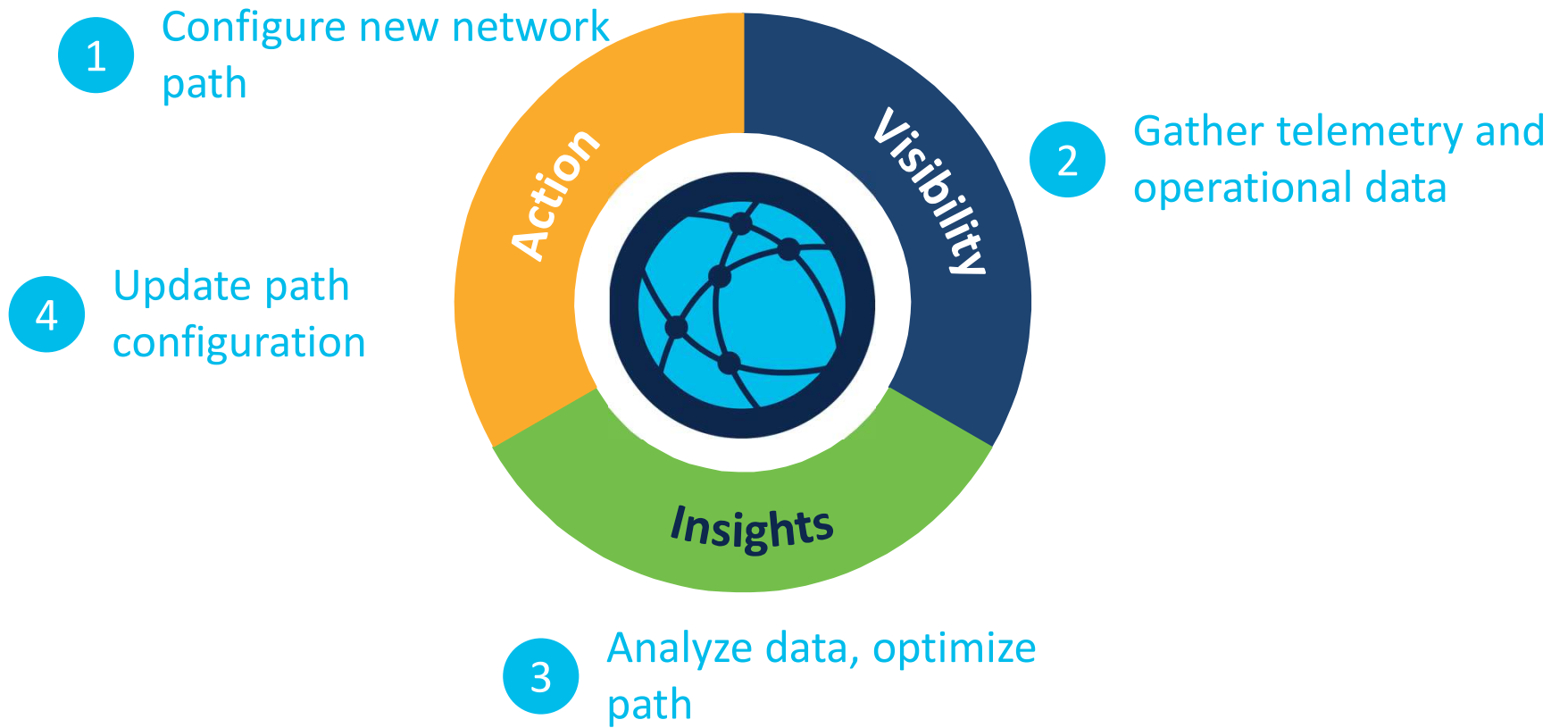


The cake is a lie

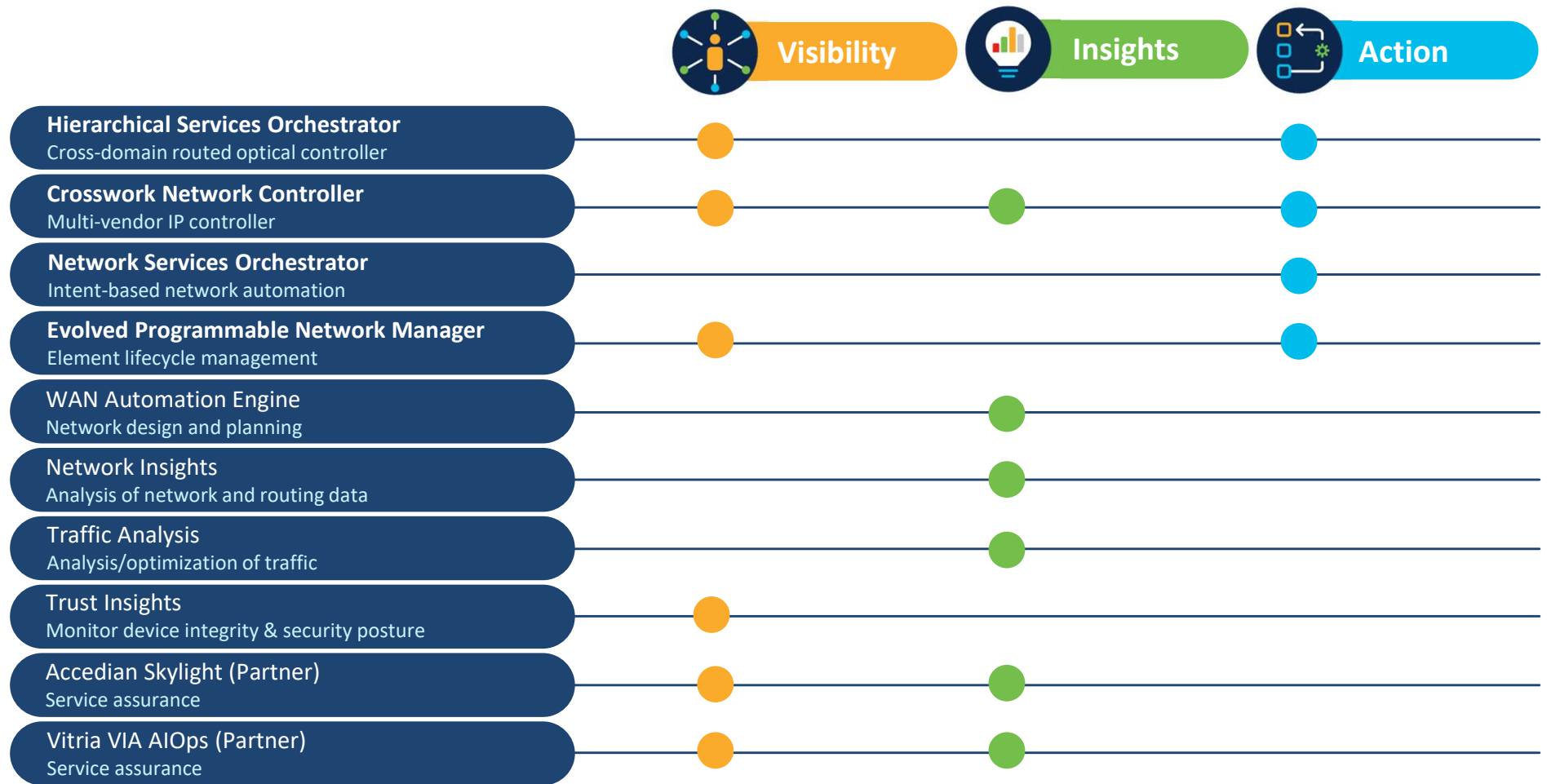


A better operating model: focus on outcomes





Cisco Crosswork™ automation portfolio



Crosswork, simplified



Visibility

Verify and monitor customer experience



Insights

Correlate data, identify trends and speed troubleshooting



Action

Automate processes to move with confidence and agility



Crosswork Essentials

Designed for network operations teams
Improves device lifecycle ease of operations

Network Service Orchestrator & Cisco NEDs | Evolved Programmable Network Manager (Essentials) | Cisco Data Gateway | Bundled use cases

Crosswork Advantage

Designed for automation teams
Improves speed, efficiency, decision-making

NSO CFPs & 3rd-party NEDs | Evolved Programmable Network Manager (Advantage) | WAN Automation Engine | Crosswork Network Controller | Crosswork Hierarchical Controller

Crosswork Automation Suites

Simple	3 components: right to use flat fee, small/large right to manage for devices, and 1, 3 or 5 year term
Comprehensive	Targeted bundles, everything you need
Cost-Effective	Volume discount on RTM, no RTM stacking, 40%+ savings over a la carte pricing on multiple products
Availability	Available now!

NADM

Network automation delivery
model



developer.cisco.com/docs/network-automation-delivery-model

- 6 Run
- 5 Operationalize
- 4 Expand

Build automation practice

Automation mindset part of organizational
DNA Predictable, repeated success at scale

- 3 Deploy
- 2 Demonstrate
- 1 Define

Getting started

Start to build capability and learn from first
deployment. Increased organizational
readiness for automation



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For more information on Cisco's Crosswork Automation portfolio, please visit

cisco.com/go/crosswork

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Cisco Crosswork Network Automation

Transform your customer's network experience with an automated network that delivers service faster, operates efficiently, and reacts with greater responsiveness.

[Watch overview \(2:00\)](#)

Accelerate outcomes with network automation

Simplify network operations by bringing together visibility, insights, and action to deliver closed-loop automation.

- Visibility**
Gain consolidated views on state and operations to verify and monitor customer experience.
- Insights**
Gather operational intelligence through correlated data to identify patterns on network services health and trends.
- Action**
Plan, design, test, and implement changes using automated, intent-based actions to drive agility.

[Watch overview](#)

Move quickly and precisely across dynamic environments

Crosswork is multivendor and multidomain, centered on programmatic infrastructure control and access to operational and state data, and spans both cloud(SaaS) and on-premise tooling. The tools in the portfolio encompass the full-service lifecycle and deliver a closed operational loop that includes planning and design, implementation, and ongoing monitoring and assurance.

- Software defined**
Programmatic control and access to data
- Autonomous**
Time for zero-touch operations
- Multivendor + multidomain**

Questions?





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