

Bâtir des infrastructures critiques de confiance pour le transport IP



Cisco Connect 2026 France

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“Le fonctionnement de l’économie et de la société repose sur un ensemble de technologies numériques essentielles, telles que les réseaux de communication, les systems d’exploitation, le cloud et les applications logicielles.”

**SGDSN, STRATÉGIE NATIONALE
DE CYBERSÉCURITÉ 2026 – 2030**

Êtes-vous concerné ?



Capteurs



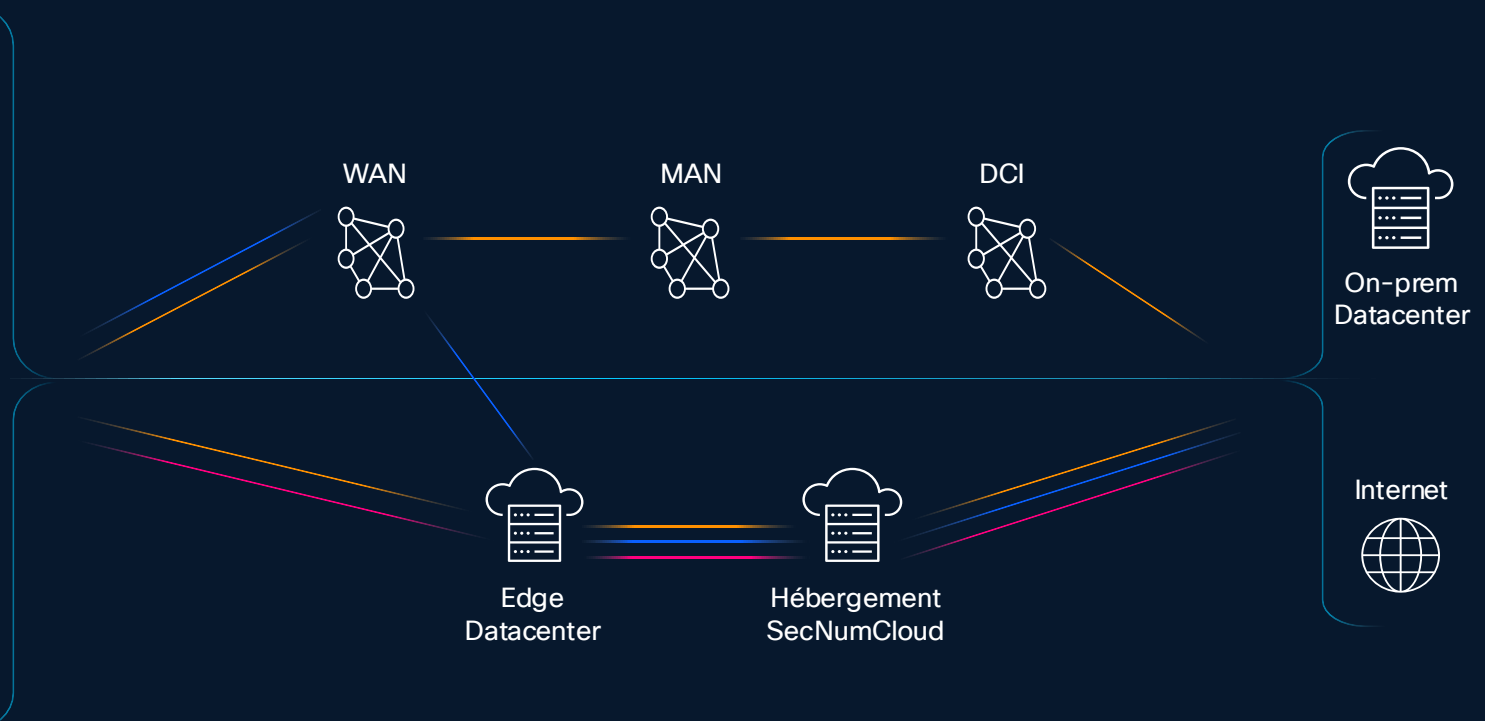
Véhicules



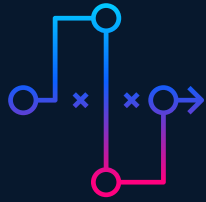
Campus



Systèmes industriels



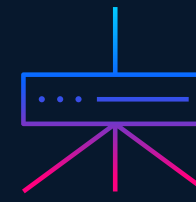
Qu'attendre d'une infrastructure critique ?



Simplifiée



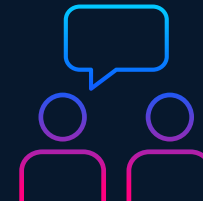
Protégée



Convergente

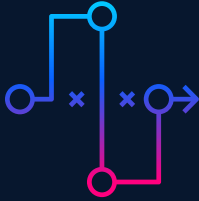


Automatisée

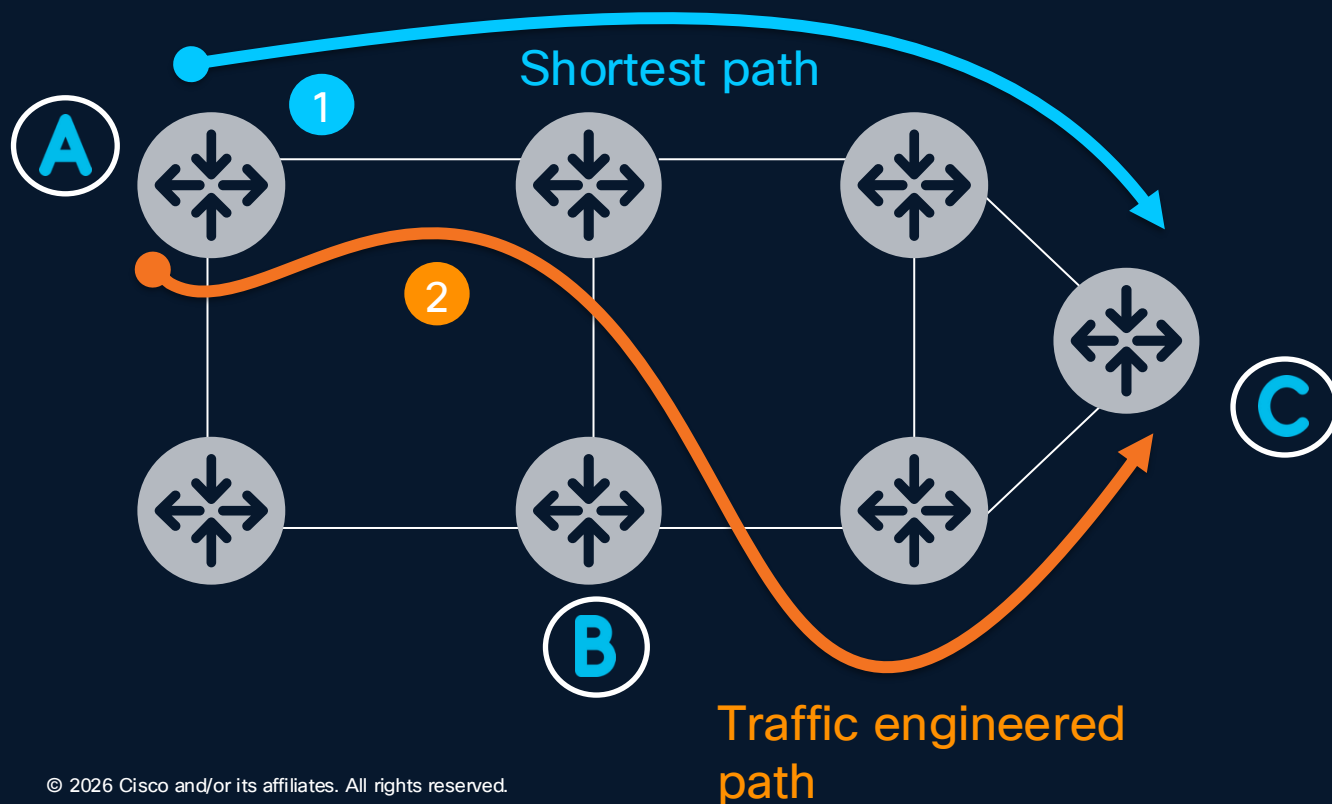
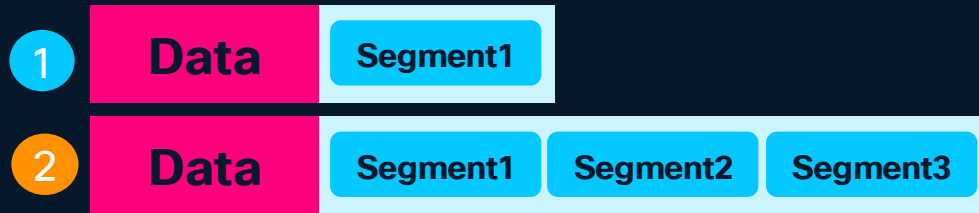


Eprouvée

Simplification



Le principe de Segment Routing



- Segment Routing est une architecture basée sur le principe du **Source Routing**
- Le chemin est codé à la source sous la forme d'une liste de segment
- Segment Routing génère une **fabrique IP stateless** scalable
- Il existe deux variantes du plan de données :
 - **SR-MPLS**
 - **SRv6**

Pourquoi SR pour un réseau de transport ?

Amélioration de la résilience réseau
Protection automatisée en 50ms avec TI-LFA

Simplification protocolaire
Élimination du LDP, RSVP et
d'autres protocoles

Mesure IP enrichie
Couverture complète des chemins
ECMP avec des métriques riches et
exploitables

Virtualisation de l'infrastructure IP
Flex-Algo permet la création de
différentes topologie d'IGP

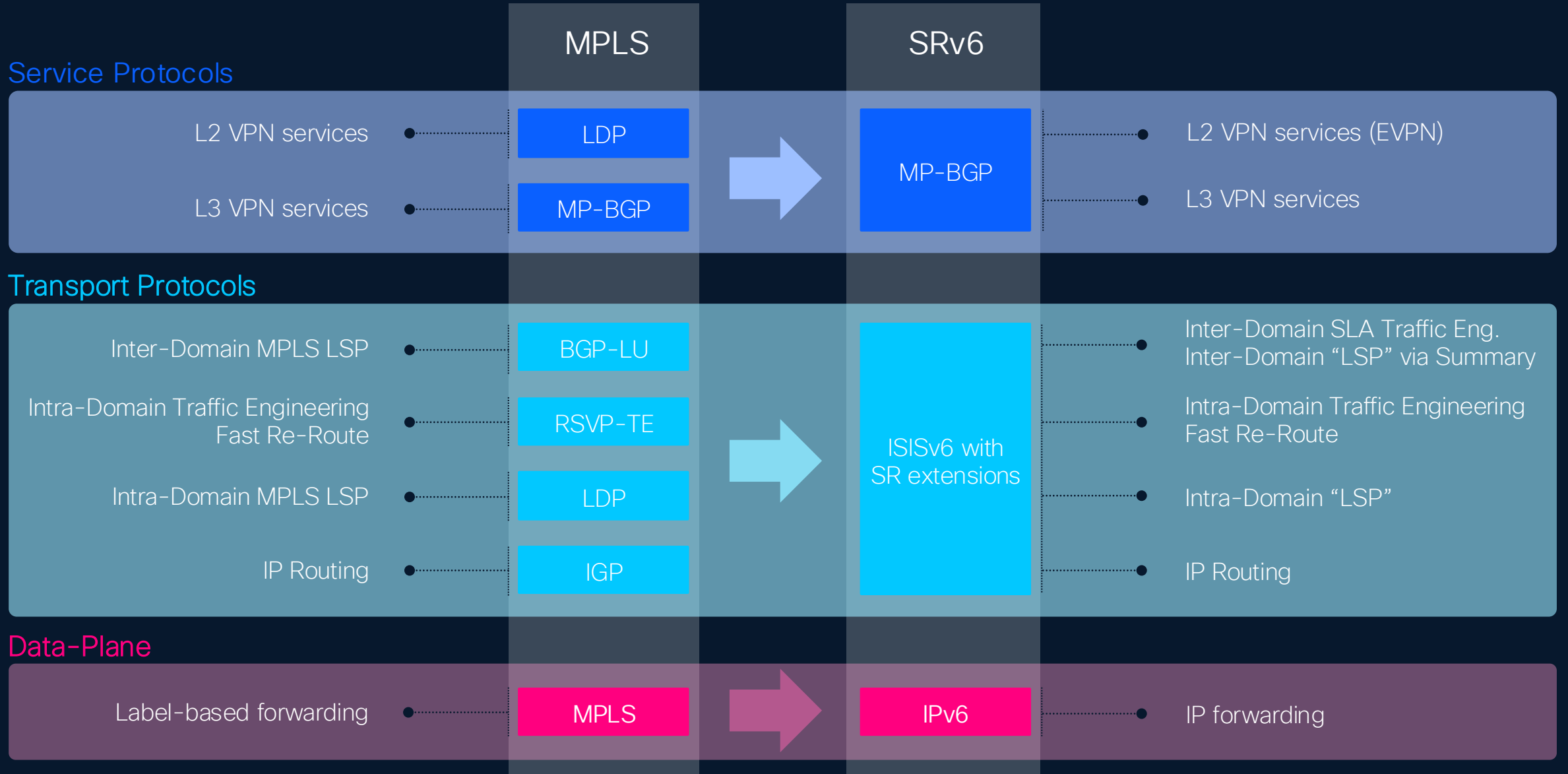
Traffic Engineering granulaire
Provisionnement dynamique et efficace
de chemins de trafic personnalisés

Connectivité Any-to-any
Grande extensibilité grâce au
format de l'en-tête IPv6

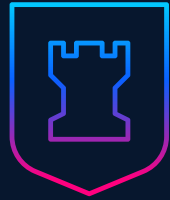
Opérations simplifiées
Un réseau facile à deployer et à
maintenir, natif SDN

Basé sur les standards
Groupe de travail IETF SPRING

Comparaison MPLS & SRv6



Protection



Protection logicielle et matérielle

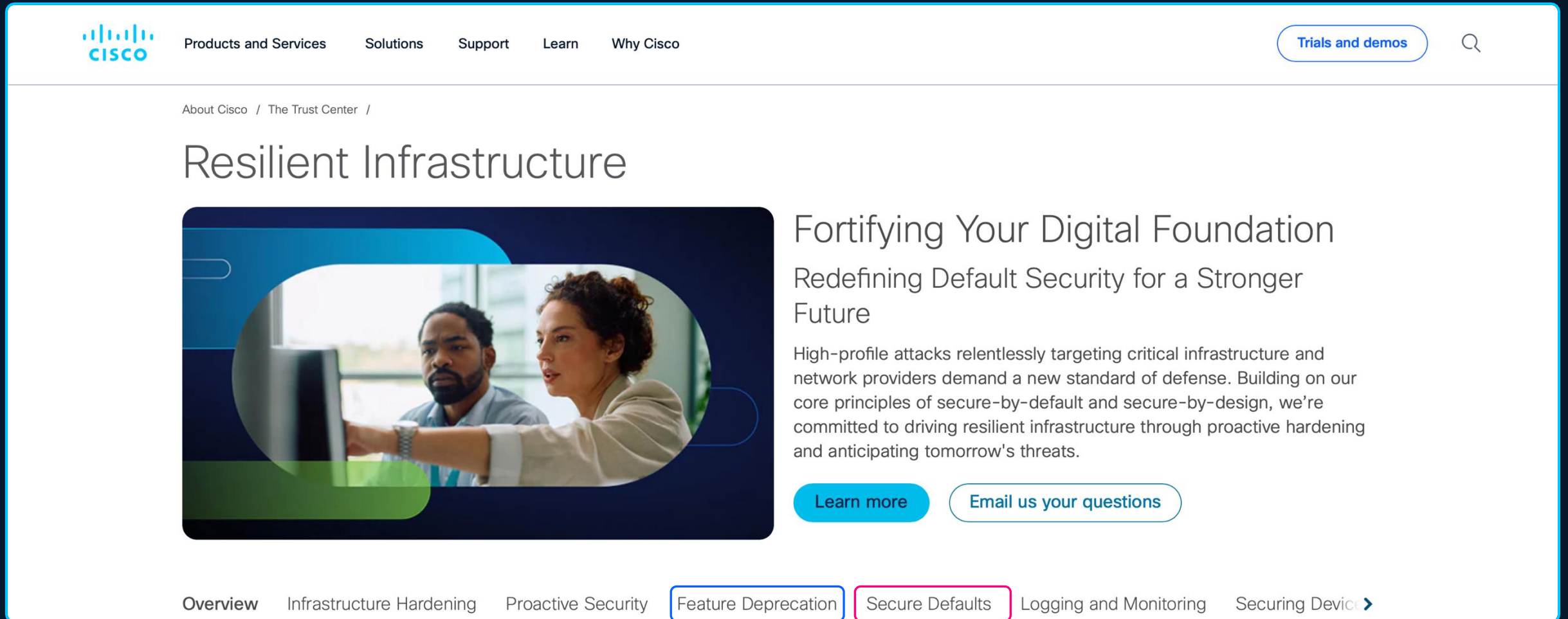
Matériel Cisco

I-Temp
Conformal Coating
Certs. environnementales
Filtre à air
Puce TAm
Redondance RP
MACsec


Logiciel Cisco

Cycle de vie IOS-XR (4.5)
Signature des images
Démarrage Sécurisé
MMP/LPTS
SRv6 TI-LFA
EVPN MH
Live Protect

L'initiative "Resilient Infrastructure"




The screenshot shows the Cisco website's "Resilient Infrastructure" page. At the top, the Cisco logo is on the left, and navigation links for "Products and Services", "Solutions", "Support", "Learn", and "Why Cisco" are in the center. On the right, there is a "Trials and demos" button and a search icon. Below the navigation, a breadcrumb trail reads "About Cisco / The Trust Center /". The main heading is "Resilient Infrastructure". To the left of the main text is a large image of two people, a man and a woman, looking at a computer monitor. To the right of the image, the sub-heading is "Fortifying Your Digital Foundation" followed by "Redefining Default Security for a Stronger Future". Below this is a paragraph of text: "High-profile attacks relentlessly targeting critical infrastructure and network providers demand a new standard of defense. Building on our core principles of secure-by-default and secure-by-design, we're committed to driving resilient infrastructure through proactive hardening and anticipating tomorrow's threats." At the bottom of this section are two buttons: "Learn more" and "Email us your questions". At the very bottom of the page is a horizontal menu with several items: "Overview", "Infrastructure Hardening", "Proactive Security", "Feature Deprecation", "Secure Defaults", "Logging and Monitoring", and "Securing Devices" with a right-pointing arrow. The "Secure Defaults" item is highlighted with a pink border.

[Trials and demos](#) 

About Cisco / The Trust Center /

Resilient Infrastructure



Fortifying Your Digital Foundation

Redefining Default Security for a Stronger Future

High-profile attacks relentlessly targeting critical infrastructure and network providers demand a new standard of defense. Building on our core principles of secure-by-default and secure-by-design, we're committed to driving resilient infrastructure through proactive hardening and anticipating tomorrow's threats.

[Learn more](#) [Email us your questions](#)

[Overview](#) [Infrastructure Hardening](#) [Proactive Security](#) [Feature Deprecation](#) [Secure Defaults](#) [Logging and Monitoring](#) [Securing Devices](#)

<https://www.cisco.com/c/en/us/about/trust-center/resilient-infrastructure.html>

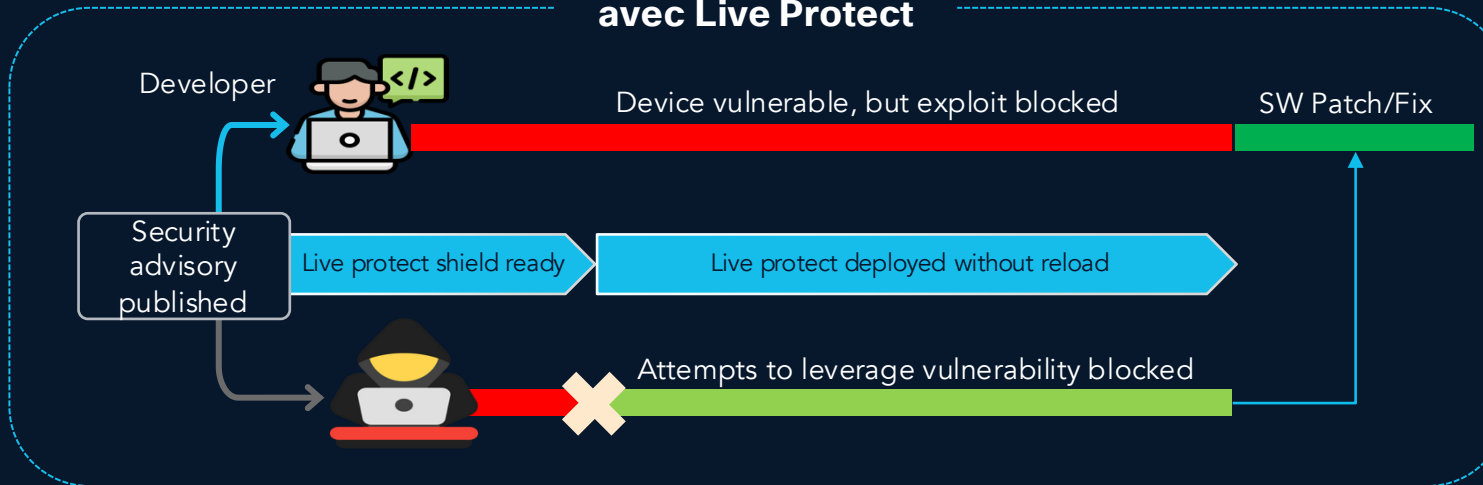
Quand il faut patcher plus vite que son ombre

Live Protect

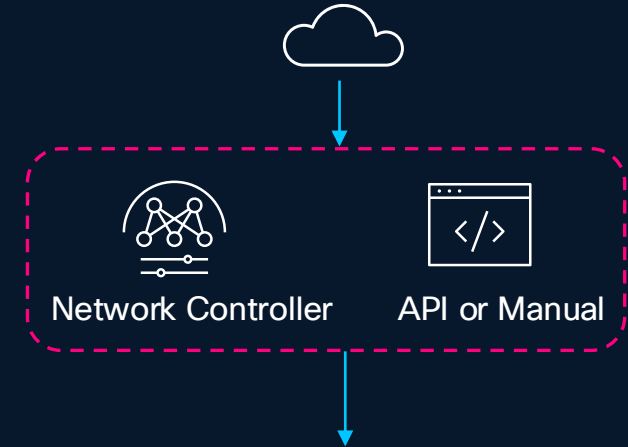
une vulnérabilité aujourd'hui



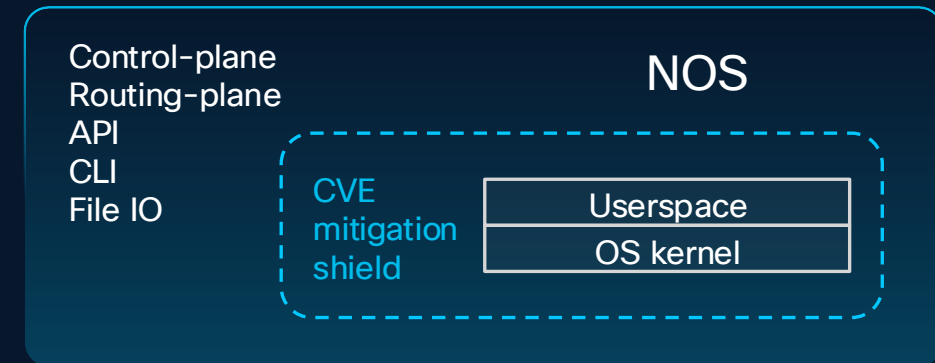
avec Live Protect



Cisco.com



Cisco generated eBPF based shield



Vivons heureux, vivons isolés



Press Release · Sep 24, 2025 · 4 min read · 4 min listen

Cisco Announces
Sovereign Critical
Infrastructure Portfolio



Sovereign Critical Infrastructure Portfolio

Licences perpétuelles pour les routeurs

Specific License Reservation pour les contrôleurs

Déploiements On-prem et Air-gapped supportés

Mises à jours logicielles en mode déconnecté

Classified Network Services

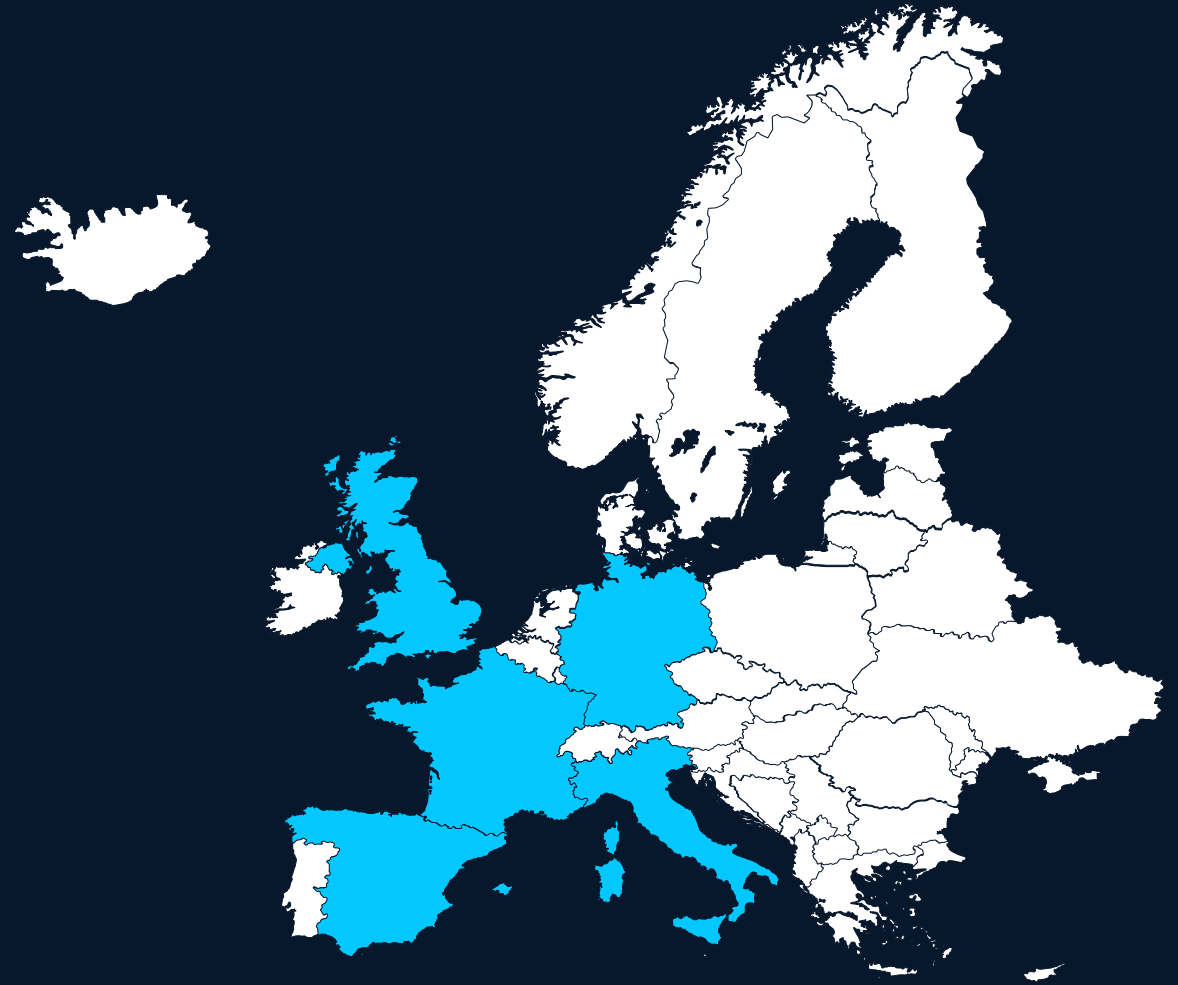
Un centre de services critiques national

Critical National Services

Entité juridique dédiée basée à Paris

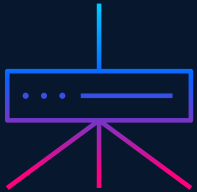
Infrastructure et outillage indépendant

Centre de service et personnel habilité

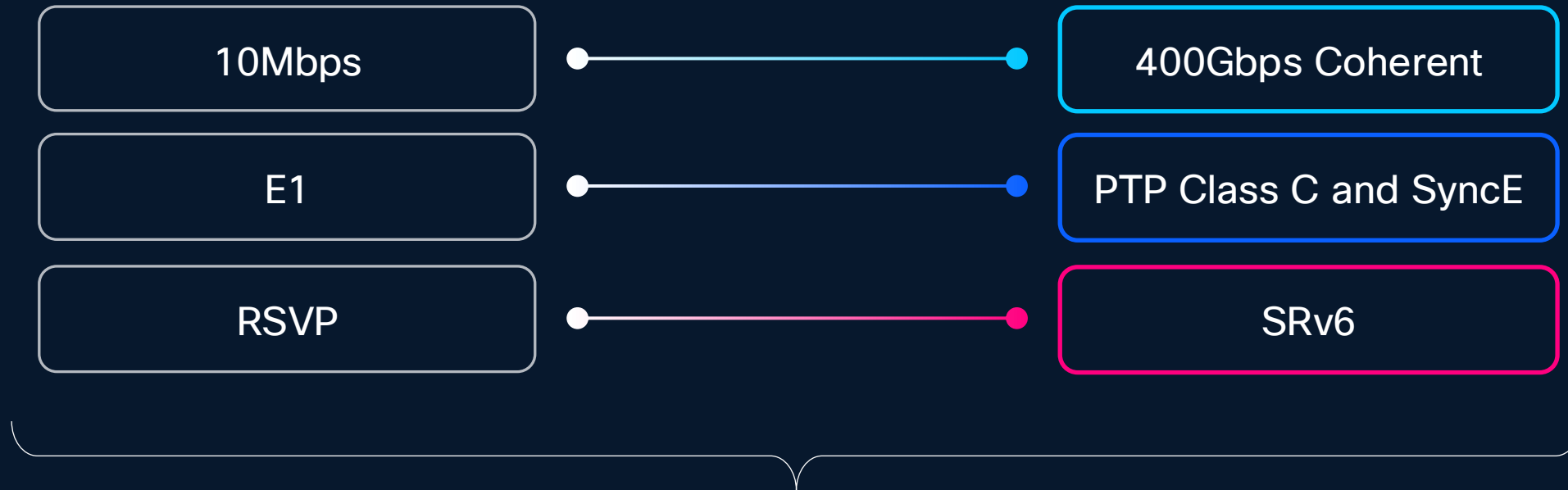


Centres CNS

Convergence



Le patrimoine et le futur



Provider Connectivity Routers

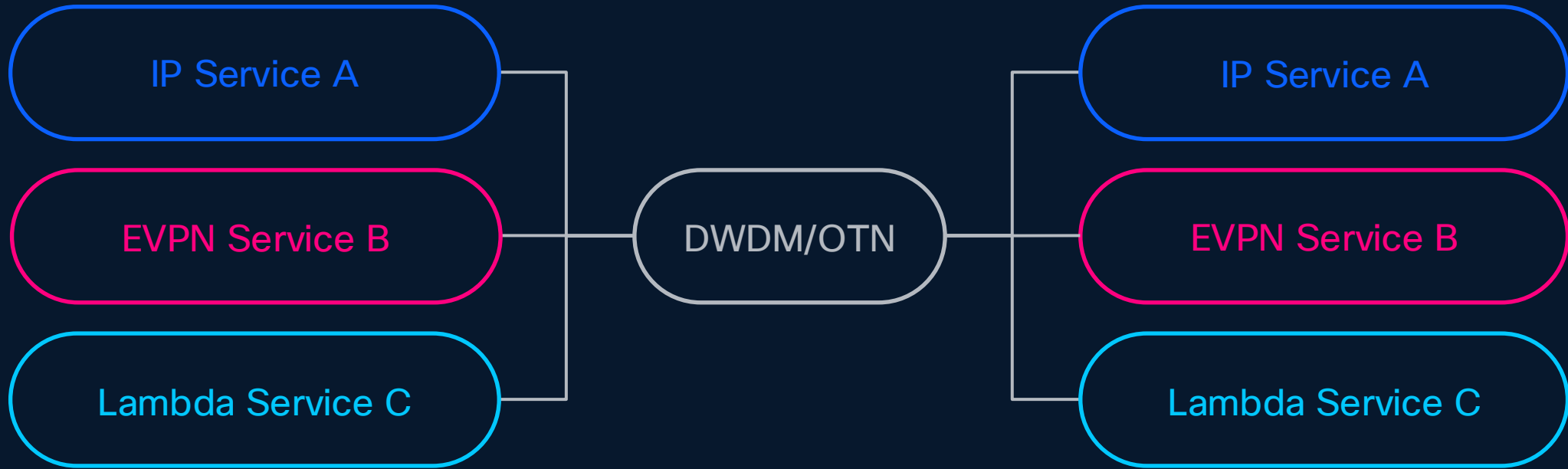
NCS 540 | Cisco 8000 | NCS 5700 | ASR9900

Êtes-vous prêt pour un projet de convergence IP/optique en 3 jours ?

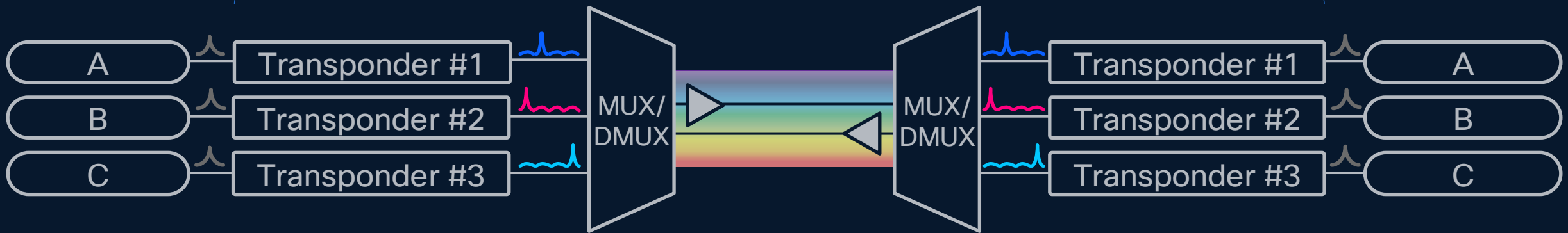
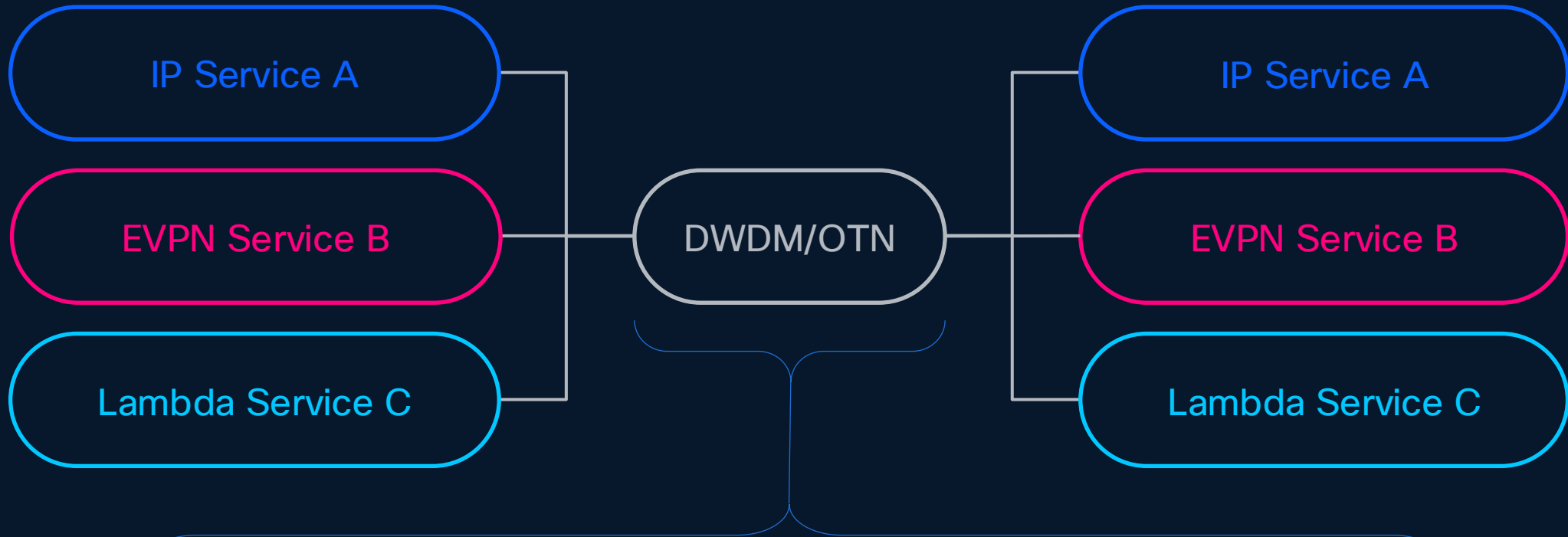
TOP#3 des déclencheurs

1. Ajout d'un nouveau service gourmand en bande passante
2. Gestion de la fin de vie des couches C/DWDM ou OTN
3. Plans de réduction des OpEx/empreinte carbone

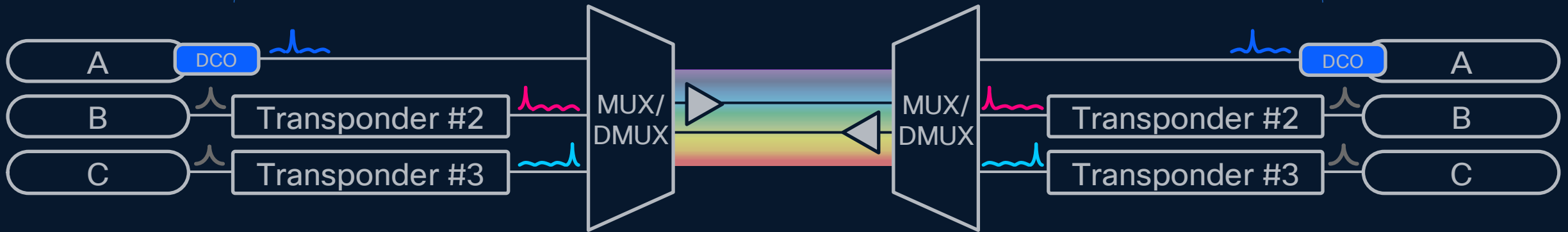
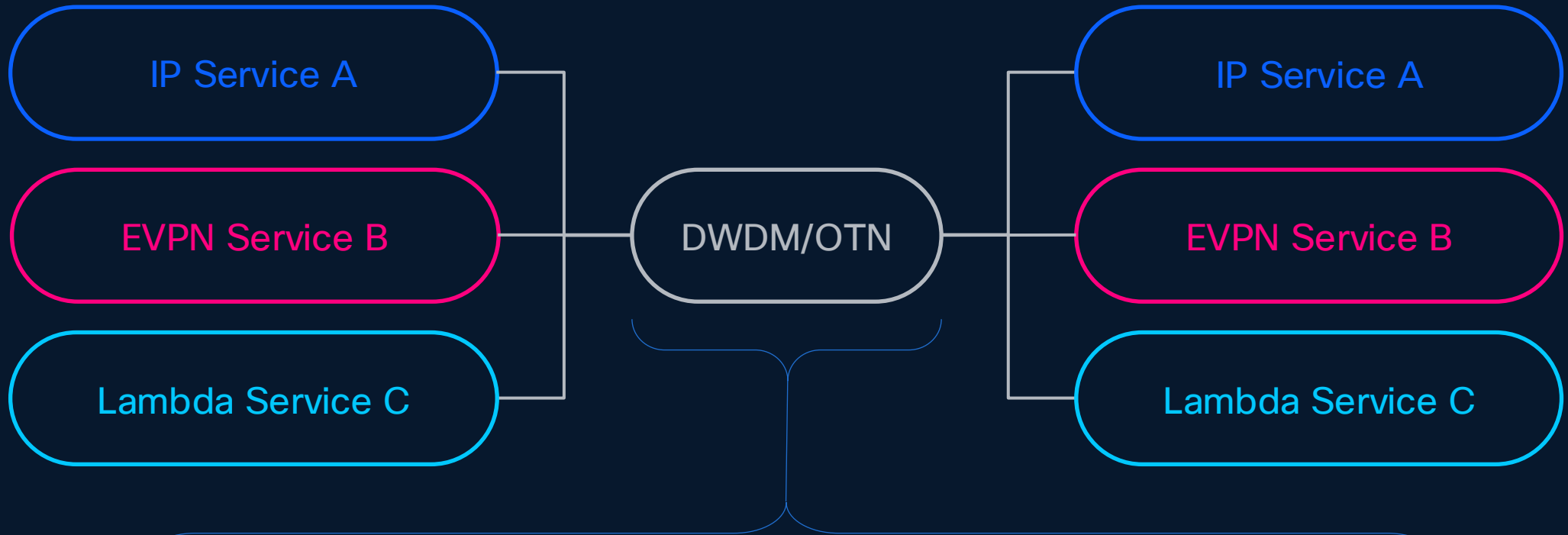
Day-0



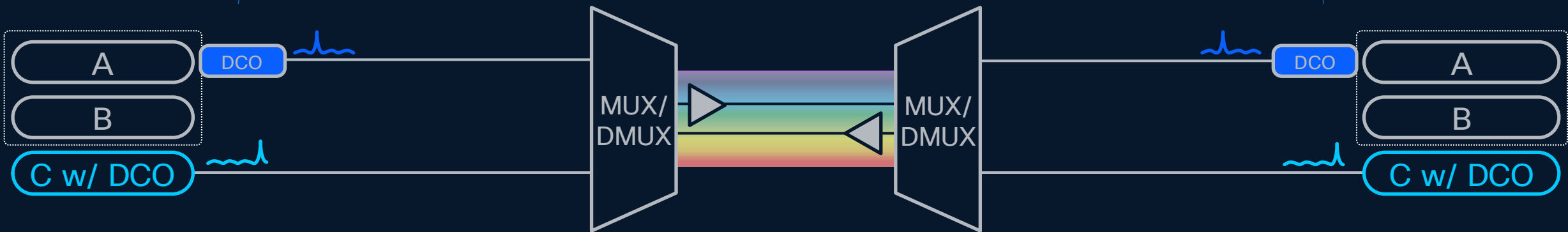
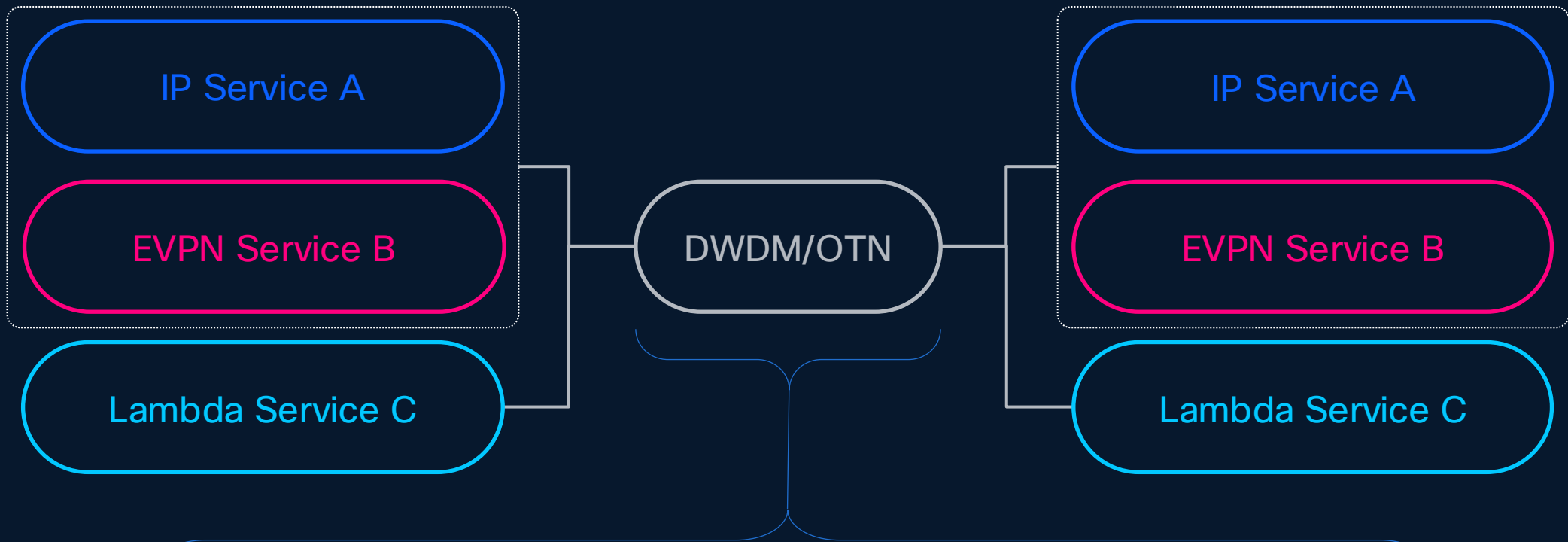
Day-0



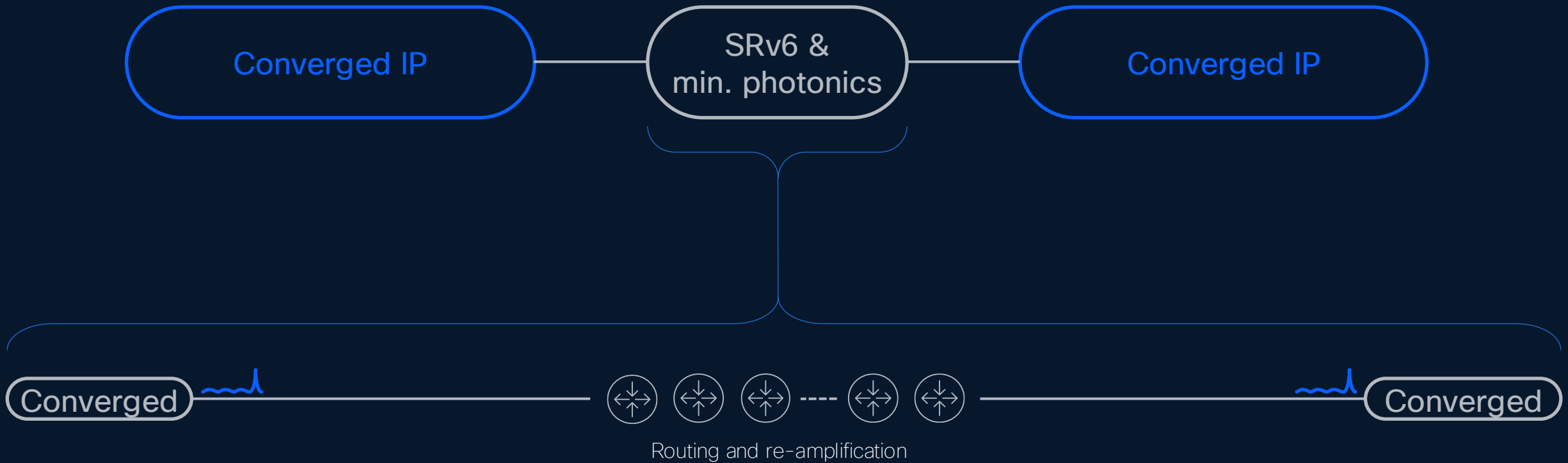
Day-1



Day-2



Day-3



IPoDWDM ou RON



66%

Réduction des coûts
d'investissement

92%

Moins de conso.
électrique

91%

Moins d'espace
occupé

Automatisation



De l'audit au monitoring de la production

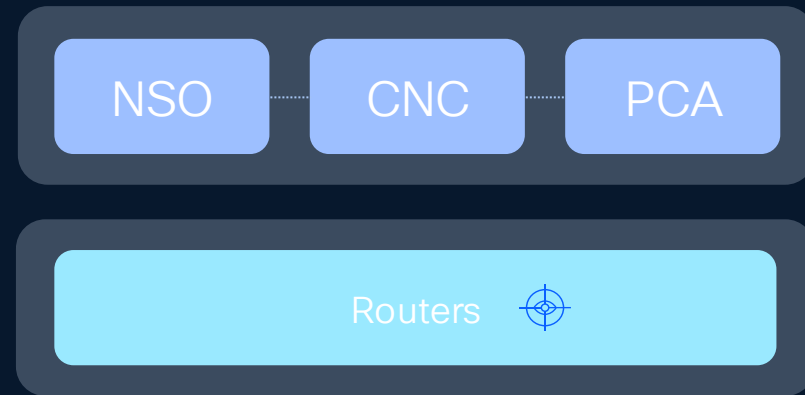


Crosswork Automation Portfolio *for IP*

NSO | CNC | PCA

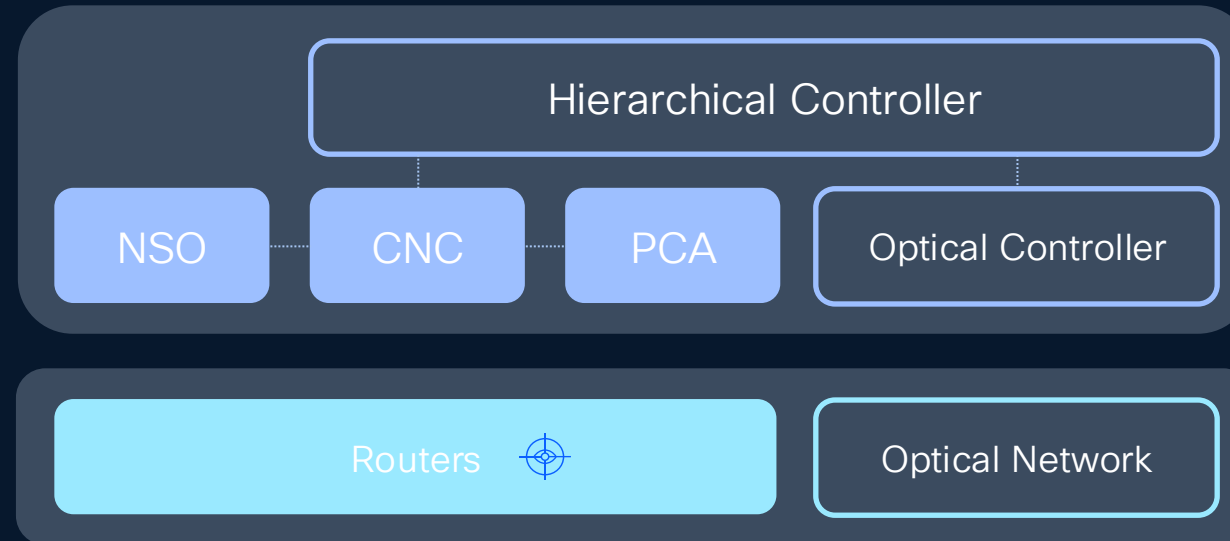
Et ce n'est que le début

Crosswork Automation Suite



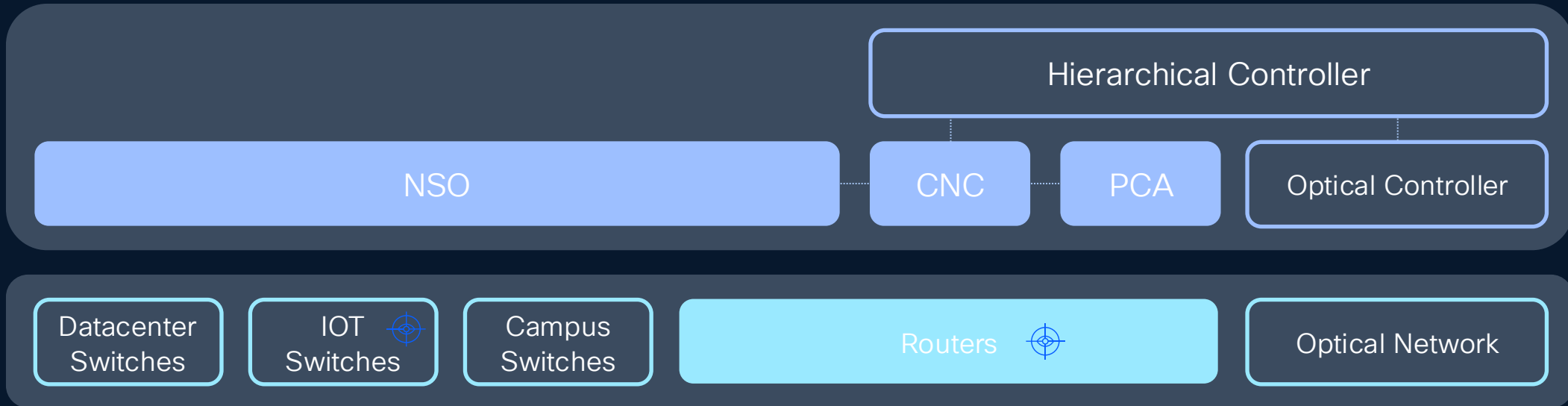
Et ce n'est que le début

Crosswork Automation Suite

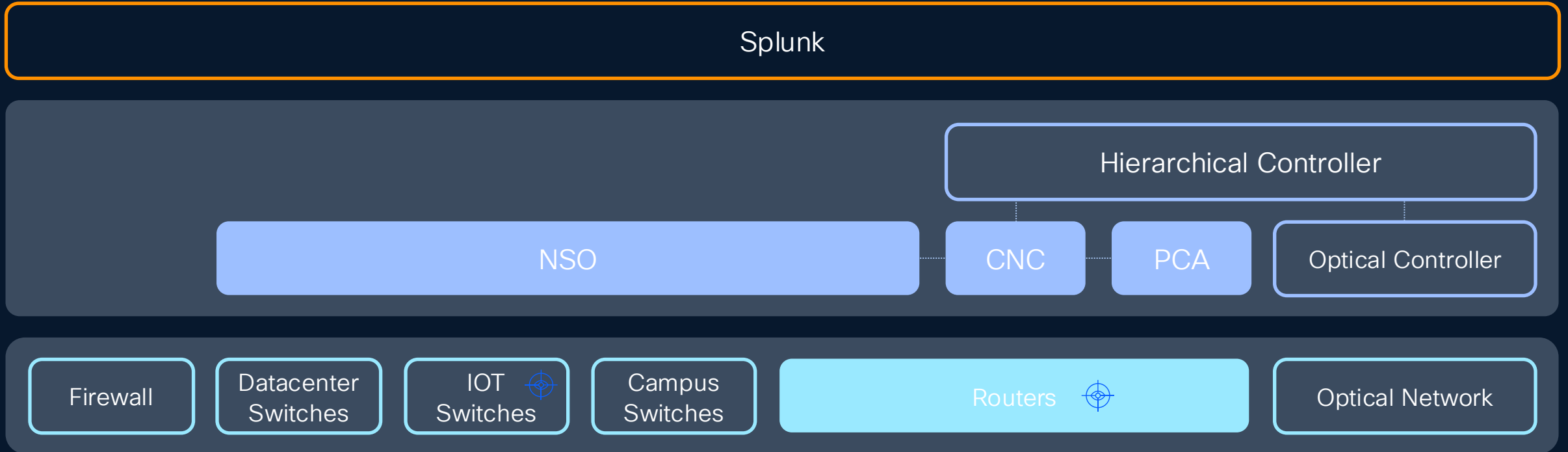


Et ce n'est que le début

Crosswork Automation Suite



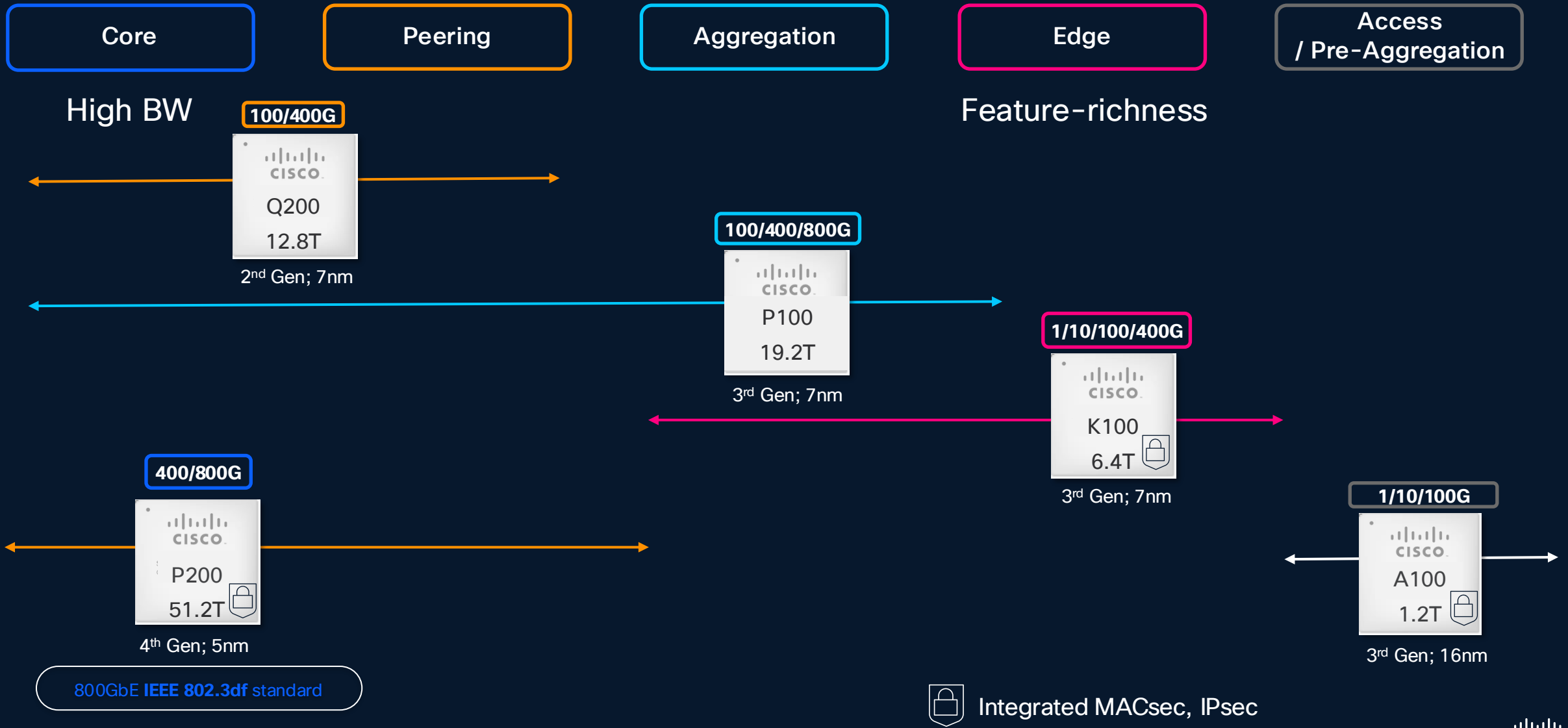
Et ce n'est que le début



Mise à l'épreuve



Indépendance et innovation avec Silicon One



Testé et Approuvé

GÉANT DEMONSTRATES 400G TRANSMISSION OVER 3,403KM TERRESTRIAL LINK USING CISCO COHERENT PLUGGABLE OPTICS

STAND C4316

20TH AUGUST 2025



Cisco 8000 and OVHcloud a successful adoption since 2020

Cisco Blogs / SP360: Service Provider / Cisco at OFC

March 7, 2023



SP360: Service Provider

Cisco at OFC 2023: Announcing Successful Test with Sipartech to Deliver 400G Over 1,337 km

2 min read

[Bill Gartner](#)

L'interopabilité, un élément clé

EANTC
EUROPEAN ADVANCED NETWORKING TEST CENTER

**Transport & Cloud Networks
Interop Test Report**

2026

Use Case Scenarios
EVPN
Orchestration and Automation
Segment Routing
Time Synchronization

Access the Full Test Report Online
<https://eantc.de/interop26>

UPPERSIDE WORLD CONGRESS
★ 24/26 MARCH 2026 PARIS

CISCO Connect

Merci.

