

**SCION**  
DAY 2026  
BENELUX EDITION

# THE WORLD OF SCION: OPTIONALITY FOR CRITICAL INFRASTRUCTURE



LUZIUS  
CAMERON  
CO-CEO



NICOLA  
RUSTIGNOLI  
CO-CEO

**SCION**  
ASSOCIATION

FOUNDING MEMBERS

SCHWEIZERISCHE NATIONALBANK  
BANQUE NATIONALE SUISSE  
BANCA NAZIONALE SVIZZERA  
BANCA NAZIUNALA SVIZRA  
SWISS NATIONAL BANK



Uli Sigg

Private individual

**ETH** zürich

**SIX**

ADOPTER MEMBERS



ASSOCIATE MEMBERS



# WHAT IS SCION?

SCION is a resilient inter-domain path-aware architecture that offers the following advantages:



## TRUSTED NETWORKS FOR REDUCED ATTACK SURFACE

Clear network governance with common trust domains with agreed trust policies.



## PATH SECURITY AGAINST HIJACKINGS

Paths are cryptographically secured at each hop. Networks can choose how they advertise their network topologies and how they send and receive traffic from other SCION networks.



## OPTIONALITY FOR DATA SOVEREIGNTY

Users can select both providers and paths by which to send their data across the Internet, based on optimal characteristics or other parameters (e.g. geofencing, latency, ...).



## MULTI-PATH AND FAST FAILOVER FOR PERFORMANCE AND UPTIME

SCION uses multiple paths and operators simultaneously, switching paths in less than a second, increasing resilience and performance.

UNIQUE TECHNOLOGY FOR HIGH CYBER-RESILIENCE

# ENABLING THE SUCCESS OF THE ECOSYSTEM

How we are driving progress in four core areas



## ADOPTION & MARKETING

We drive adoption across sectors and engage with relevant stakeholders.

We raise awareness on SCION through events while fostering an actively engaged community.

ADOPTION COMMITTEE

MARKETING COMMITTEE



## REGISTRY

We coordinate assignment of SCION identifiers (ISD & AS numbers) – starting from July.

REGISTRY COMMITTEE



## SPECIFICATION

We create open technical specifications to ensure interoperability and keep the market open to new vendors.

We represent the SCION community at standards development venues such as the IETF.

STANDARDIZATION COMMITTEE



## OPEN SOURCE

We coordinate and maintain a SCION implementation for research, development, and experimental deployments.



IMPLEMENTATION COMMITTEE

# SCION ROI

Cost and benefit analysis across different use cases

## 1. ENTERPRISE WAN CONNECTIVITY

### 1.1 HIGH AVAILABILITY WAN

#### SCION VS LEASED LINES

91%

reduction of  
yearly costs

1.34M

annual savings

2389%

ROI

<1 MONTH

payback time

#### SCION VS MPLS

81%

reduction of yearly  
costs

600K

annual savings

1110%

ROI

<1 MONTH

payback time

### 1.2 BRANCH NETWORK

#### SCION VS SD-WAN

33%

reduction of yearly  
costs

315K

annual savings

228%

ROI

<4 MONTHS

payback time

## 2. REMOTE ACCESS

### WEB SERVICES & APPS

#### SCION GATE BY ANAPAYA + CURRENT SOLUTION

142K

average annual savings  
across 3 years

71.6%

ROI (using 3-year  
amortized cost basis)

~9 MONTHS

payback time