



SCION ASSOCIATION: MEMBERSHIP

Join the SCION community for exclusive resources, networking, and solutions.

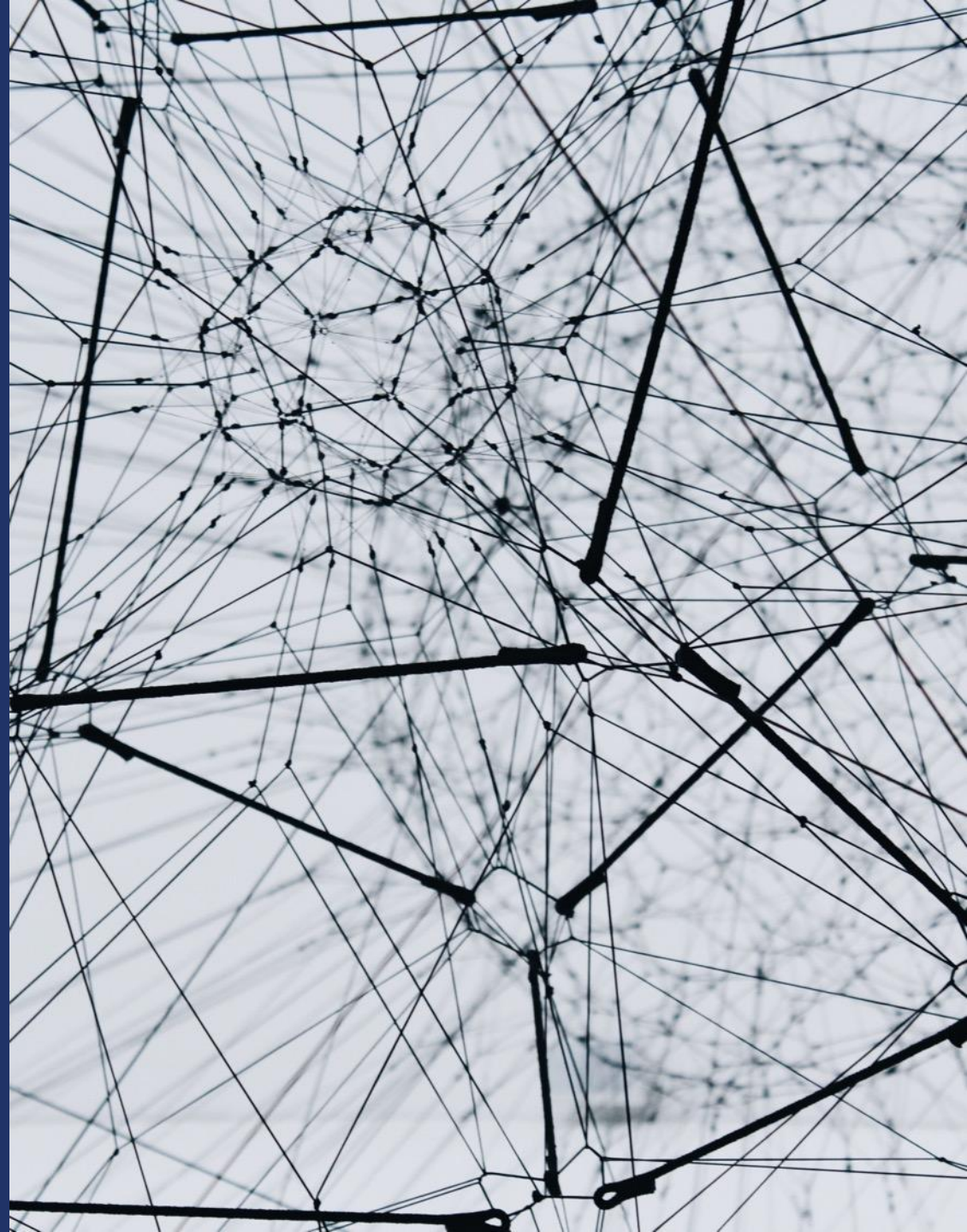
March 2025



TODAY'S INTERNET

Designed in the '80s, the current Internet – made up of more than 70,000 networks (or paths) through which data, such as pictures, videos, calls, financial and personal information, flows – can no longer meet the security, reliability, and performance needs of today's society.

When data is sent from one device to another, the route it takes is determined automatically, without the sender having any control over it. As a result, data can be routed through vulnerable, unsafe, or congested networks, which puts its integrity, availability, and performance at risk.



ROUTING ISSUES OF THE INTERNET

Issues with BGP have been understood for many years

VULNERABLE TO ROUTE LEAKS AND HIJACKING



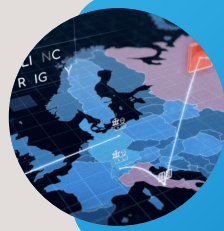
Service disruption, traffic interception, redirection or modification, and potential for large-scale Distributed Denial-of-Service (DDoS) attacks.

LACK OF PATH SELECTION, LONG FAILOVER TIMES



Data can be (and often is) routed through different countries and over unsafe or congested networks. Failure reaction time is too long for critical infrastructure.

NO WAY TO ENFORCE DATA SOVEREIGNTY



Traffic can be disrupted, intercepted, or monitored by bad actors, and data can be sent outside of particular jurisdictions, which can breach national and supranational data protection legislation, such as FADP and GDPR.



ELEVATING SECURE COMMUNICATION

What's clear is that the Internet can no longer meet the security and reliability needs of many organizations and users, particularly those in the finance, healthcare, utilities, and public sectors, as well as operators of critical infrastructure.

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.



GEOFENCING FOR DATA SOVEREIGNTY

Users can select the path(s) 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.

SCALABLE AND INTEROPERABLE FOR EASY DEPLOYMENT

THE WORLD OF SCION

A growing ecosystem

THE EXPERTS DRIVING INNOVATION

With over sixty researchers and hundreds of practitioners using SCION in real-world scenarios, the deployment of SCION's technology continues to expand.

Research



BUILDING INFRASTRUCTURE FOR COMPETITIVE EDGE

Service providers, integrators and vendors play a crucial role in managing and maintaining the infrastructure that enables SCION. They offer SCION services to the users, enabling SCION's use today.

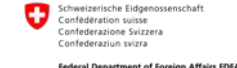
ISPs,
Integrators,
Vendors

SCION
ASSOCIATION

Users

THRIVING THROUGH SECURITY, RELIABILITY AND PERFORMANCE

With SCION, enterprises in various verticals, non-profits, app developers and blockchain developers can have complete control over their online data flows, benefitting from security, reliability and performance advantages.



INSIDE THE SCION ASSOCIATION

Open, trusted, connected and curious



OUR PURPOSE

CREATING A SAFE CONNECTED WORLD

Our Purpose is to create a safe connected world. Because we believe in a future where the exchange of information can be made trustworthy; anytime, anywhere and for anyone. Our openness, curiosity to learn and innovate continuously pushes the boundaries of what is possible. It's what drives us and it's what makes SCION a truly transformative catalyst. Fast, reliable and scalable. This is why SCION is the first choice for everyone looking to elevate the secure exchange of data.



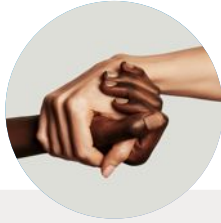
OUR VALUES

The guiding principles we live by



WE ARE OPEN

- We actively seek and welcome new ideas, empowering innovation and continuous improvement.
- We cultivate a culture of broadening horizons and learning, constantly challenging ourselves to explore new ways of making SCION and everyone within even better.
- We are inclusive and nurture a community that celebrates diversity, embracing everyone's unique contributions.
- SCION is an inviting space where collaboration and teamwork thrive.
- Together, we build an open ecosystem, uniting diverse talents and perspectives to continuously elevate SCION as the transformative leap in internet technology.



WE ARE TRUSTED

- At the core of our motivation lies a deep commitment to the safety of information exchange – making our lives safer and better.
- But it's not just about protecting sensitive data; it's about safeguarding the trust and confidence placed in the SCION technology we continuously elevate.
- This extends to the people we collaborate with, fostering a culture of mutual trust and respect in our entire ecosystem: academics, researchers, implementation partners, users etc.
- We believe that building strong relationships lays the foundation for a reliable and successful future of SCION.



WE ARE CONNECTED

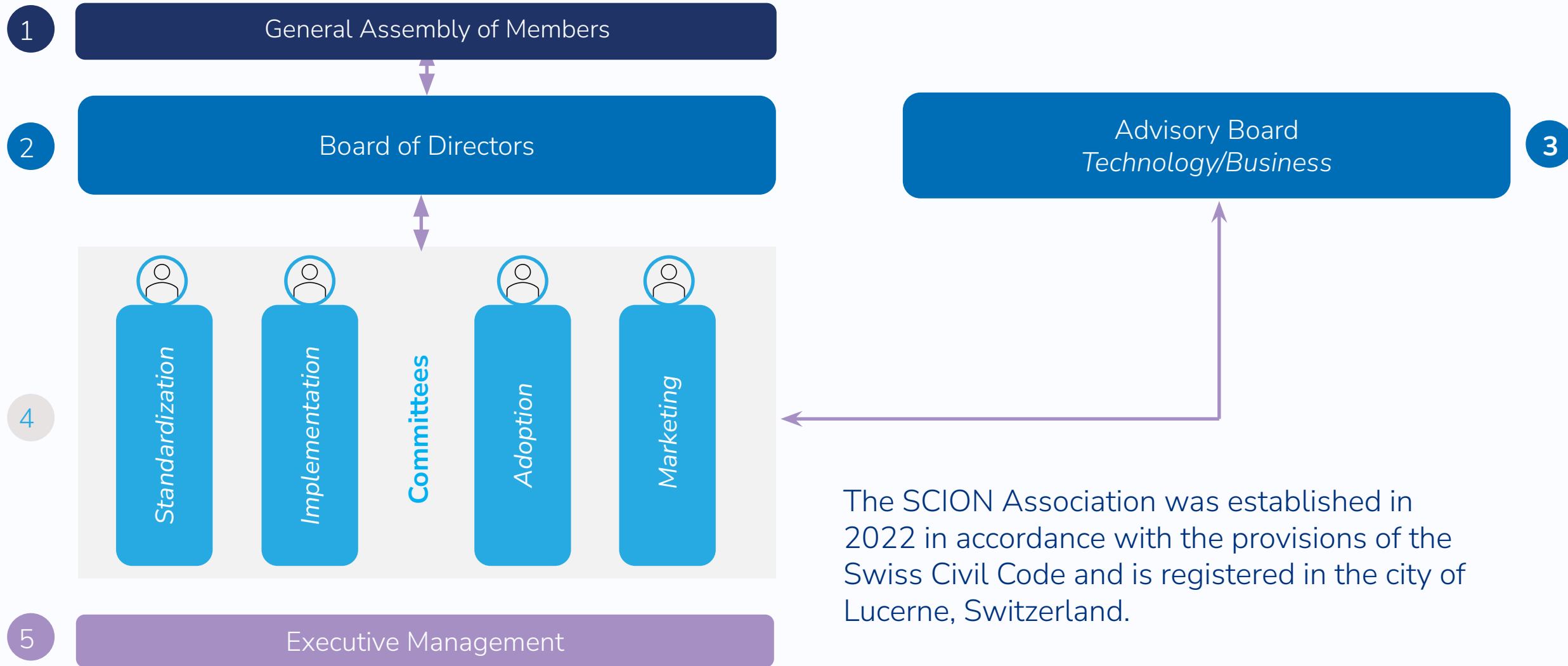
- Connectivity is the heartbeat of SCION and our society. It links our revolutionary technology with the real world.
- And it fuels our passion to continuously think and build secure data exchange technology, fostering deep trust and collaboration within and beyond our ecosystem.
- We forge bonds that transcend boundaries, uniting as teams and individuals.
- With SCION technology as our catalyst, we revolutionize internet architecture, driven by the profound belief in a future where every connection matters, anytime, anywhere and for anyone.



WE ARE CURIOUS

- We live relentless curiosity, encouraging everyone in our environment to embrace a thirst for knowledge, explore new frontiers, and challenge the status quo.
- We always go deep and love to dissect complexity – and then to resurface with simplicity.
- The desire to learn and innovate, pushing the boundaries of what is possible to make the internet a more secure place is what drives us.
- It's what makes SCION a truly transformative catalyst to safely exchange information. Fast, reliable and scalable.

GOVERNANCE - OVERVIEW



BOARD OF DIRECTORS



LOTHAR THIELE

Professor,
ETH-Delegierter für Digitale
Transformation, ETH Zürich



PROF. RETO FRANCONI

UBS European Chair



DR. ULI SIGG

Private individual



DR. THOMAS WELLAUER

SIX Group BoD



PROF. VANESSA WOOD

ETH Board, VP Corporate
relations



DR. THOMAS MOSER

SNB Observer



ANDREA MAECHLER

BIS Observer

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Director of Architecture, Strategy and Analytics, Telefónica Germany



MARTIN BOSSHARDT

CEO Anapaya



MARKUS NISPEL

CTO EMEA, Extreme Networks



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Professor, ETH Zürich



HAUKE STARS

Member of the Executive Board / CDO, Volkswagen Group



PETER THÜRING

Head IT, SNB



KLAAS WIERENGA

Chief Information & Technology Officer, GÉANT



HUI ZHANG

Chief Scientist, Chairman of the Board, Conviva



MIKE DARGAN

Chief Operations and Technology Officer at UBS

OUR TEAM



NICOLA RUSTIGNOLI

Co-CEO



LUZIUS CAMERON

Co-CEO



KATARINA GARIC

Marketing & Communications
Manager



JEAN-CHRISTOPHE HUGLY

Software Engineer



KEVIN MEYNELL

Community Engagement Manager



KATYA TITKOVA

Software Engineer



ROMAN SCHARKOV

Software Engineer

GROWING THE SCION MOVEMENT

Empowering communities, creating value

TECHNOLOGY

The technology keeps evolving to provide more and more benefits to its users, more use cases are developed and deployed.



ECOSYSTEM

The ecosystem keeps growing together, creating new adoption areas and building up a larger and larger SCION network.



CREATING A SAFE CONNECTED WORLD

Together with our Members



ENABLING THE SUCCESS OF THE ECOSYSTEM

How we are driving progress in three core areas



SPECIFICATION

We create the technical specifications to implement SCION, with the goal of ensuring interoperability and keeping the ecosystem open. We represent the SCION community at standards development venues such as the IETF.



OPEN SOURCE

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



BRAND & COMMUNITY

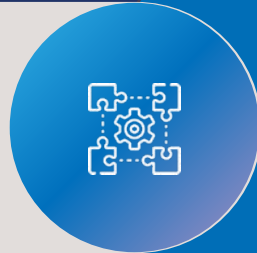
We raise awareness of the benefits and features of SCION while fostering an actively engaged community.

SCION SPECIFICATION

A big step towards global adoption

INTEROPERABILITY

Multiple implementations ensuring compatibility.



OPEN ECOSYSTEM

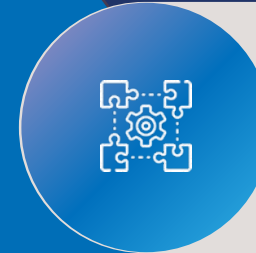
Anyone can succeed with a clear specification.



SCION
ELEVATING SECURE COMMUNICATION

BETTER TECHNOLOGY

Multiple Wider community review by renowned experts and global recognition.



CERTIFICATION

Fundamental for a certification program.



WHAT IS OUR ROLE?

Standardization technical committee

SCION draft specification (see: datatracker.ietf.org)

Representation at standardization development organizations

Define future protocol evolution

SCION Overview

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has been successful beyond even the most optimistic expectations. It is intertwined with many aspects of our society, the world-wide communication system guarantees security, the Internet has not primarily been built with scalability in mind. The next-generation Internet - SCION (Scalability, Control, and Isolation on Networks) aims to address these issues. We signed from the trust to offer security and default. The architecture provides routing, and the trust information for end-to-end also enables multi-path routing between the motivations behind "

...ed scion...



NICOLA RUSTIGNOLI
Chair, SCION Association

FRITZ STEINMANN
SIX Group

ROGER LAPUH
Extreme Networks

WILLIAM BOYE
Swiss National Bank

SAMUEL HITZ
Anapaya

JUAN GARCIA PARDO
ETH Zurich

MIKAEL HOLMBERG
Extreme Networks

TONY JOHN
OvG Magdeburg

JONAS BEHRING
Swisscom

KEVIN MEYNELL
SCION Association

SCION OPEN SOURCE

Fostering a healthy community with transparency and collaboration at its heart

WHAT IS OUR ROLE?

- Custodians of the open-source SCION implementation.
- Actively contribute to software development projects.
- Support through code contribution reviews.
- Provide documentation.
- Define the open-source roadmap.
- Organize member community meetings.

WHY DO WE DO THIS?

- To make sure the SCION ecosystem can rely on a stable, quality reference implementation.
- To have a vendor-independent, low-barrier entry point to SCION.
- To ensure that there are multiple software options for SCION adopters.

scionproto/scion

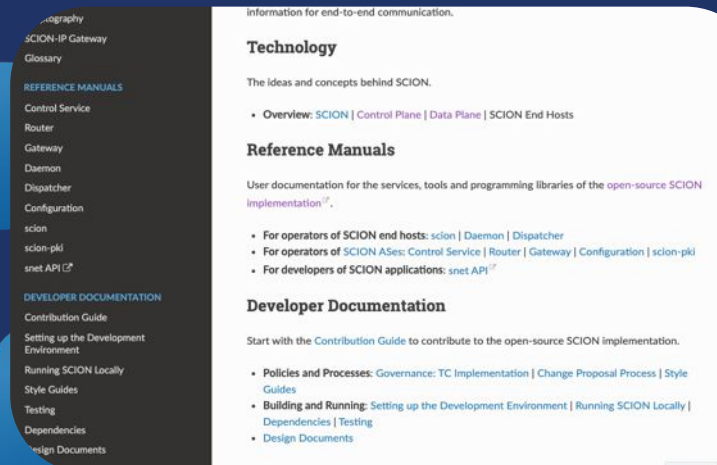
SCION Internet Architecture

68
Contributors

25
Used by

244
Stars

107
Forks



HOW CAN MEMBERS GET INVOLVED WITH IMPLEMENTATION?

Unlock exclusive benefits

Opportunity to contribute to the development of the SCION open source.



Have a direct say in determining the next steps of SCION's progress



Participate in hackathon projects at worldwide events.



IMPLEMENTATION COMMITTEE



JC HUGLY
Chair, SCION Association



KATYA TITKOVA
SCION Association



ROMAN SCHARKOV
SCION Association



MARC FREI
ETH Zurich



DOMINIK ROOS
Anapaya



JORDI SUBIRA NIETO
ETH Zürich



MARKUS LEGNER
Mysten Labs



FRANCOIS WIRZ
ETH Zurich



LUKAS VOGEL
Anapaya



TILMANN ZÄSCHKE
ETH Zürich

SCION BRAND & COMMUNITY

Spreading the SCION story worldwide

WHAT DO WE DO?

- Brand awareness across multi-channels
- Events and community gatherings

MARKETING COMMITTEE

- Get your **products recognizable** thanks to the SCION brand and trademark.
- **Enhance your marketing impact** with co-branded campaigns and valuable insights
- Participate in **joint events in Switzerland and abroad** and get exposure.

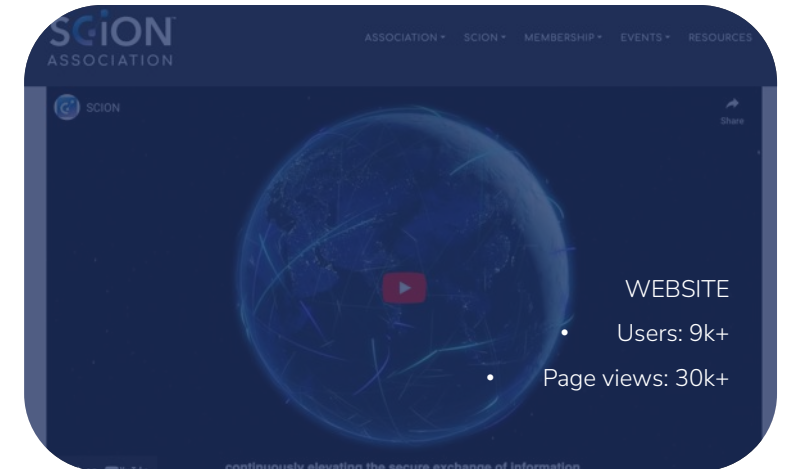
ADOPTION COMMITTEE

- Deployment blueprints & best practices
- Collect user and adopter experiences
- Document use cases, benefits, markets
- Engage with key stakeholders



SCION DAY 2024

- 270+ in-person attendees
- 150+ online attendees



WEBSITE

- Users: 9k+
- Page views: 30k+

SCION AMBASSADOR PROGRAM

Launched in April 2024



EMAIL MARKETING

- 1.4k subscribers
- >40% open rate
- >6% click rate

OUR MEMBERSHIP MODEL

Join a vibrant community, be a catalyst for change!



SCION ASSOCIATION MEMBERS

SUPPORTER MEMBERS

ETH zürich

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



DR. ULI SIGG
As a private
individual



ADOPTER MEMBERS



cyberlink



eraneos

ETH Foundation

ev3Ware
Cloud & IT Services



MystenLabs



Switch



MEMBERSHIP & BENEFITS

	ADOPTER	COMMUNITY	SUPPORTER
<ul style="list-style-type: none">• Use of SCION wordmark & logo in marketing & products for commercial use (free for academia)• Be listed as a SCION provider on www.scion.org• <i>Free SCION AS number assignment*</i>• Access to discounted sponsorship packages for SCION Day• Opportunity to join all our Committees subject to BoD approval• Be part of general assembly, voting rights (excl. free tiers)	✓	✓	✓
<ul style="list-style-type: none">• Be featured at SCION Day for free• <i>Marketing starter package (including basic messaging)*</i>• Access to Marketing and Adoption Committees by default		✓	✓
<ul style="list-style-type: none">• Reduce risk and protect your SCION investment by supporting our efforts towards open source maintenance and standardization• Custom joint events or articles under the SCION banner, including dedicated Marketing support• Upon request, possibility for dedicated open source development support• Right to join the Standardization Committees by default and recommendation to the Implementation Committee• <i>Certification discount*</i>• Access to SA boards/leadership for strategic discussions/guidance			✓
* Coming soon			
	CHF / Year		
	10k	40k	SILVER 80k GOLD 160k PLATINUM 300k

ASSOCIATE MEMBERSHIP

A “lightweight”, free membership tier



FOR WHOM?

- Non-for profits
- Academic institutions
- Government organizations and regulatory bodies



BENEFITS

- Be listed on www.scion.org
- Attend member meetings/AGM (no voting rights)
- Use of SCION wordmark & logo in marketing & products for non-commercial use



WHAT IS EXPECTED

Ongoing free membership is contingent on regular participation and contribution:

- Contributions to our Committees or to open source projects
- Cross marketing, e.g. writing a blog post, hosting an event
- Contributions to SCION deployments
- Equivalent membership for SCION Association (if similar program exists)

VALUE-BENEFITS FOR ISPs

Telecommunications providers, IXPs and NRENs



STANDARDIZATION

ADVANTAGES

- Define further use cases
- Make the technology better thanks to your feedback and experience
- Interoperability between networks is maintained

BENEFITS

- Reaffirm your role as an early adopter in a growing global SCION Internet
- Get early insights into future technology evolution
- Guarantee long-term credibility of technology



OPEN SOURCE

ADVANTAGES

- Influence technology future developments

BENEFITS

- Explore new use cases
- Gain advantage with early insights into future technology developments



BRAND & COMMUNITY

ADVANTAGES

- Featured at events (e.g. SCION Day)
- Use of the SCION logo
- Listing on scion.org
- Marketing starter package

BENEFITS

- Connect with potential customers and like-minded companies
- Expand and accelerate market entry
- Lower entry barrier for your SCION offering
- Recognition by being an official SCION provider

THANK YOU

Time for questions!

[SEND ME AN EMAIL](#)



NICOLA RUSTIGNOLI
Co-CEO SCION Association

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[VISIT OUR WEBSITE](#)

