

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.





ENTER SCION: A NEW, IMPROVED INTERNET

Offering data senders complete control over the path their data travels, filling the gaps of today's Internet



IMPROVED SECURITY

Data reaches its destination, safe and sound.

 In today's Internet, data senders have to trust the entire Internet all the time. With SCION, senders know all entities in the network, and routing attacks (cyberattacks meant to intercept, modify or block data) are prevented by design.



ENHANCED RELIABILITY

Data reaches its destination, consistently.

 SCION overcomes disruptions in network communication and ensures reliable data transmission by promptly redirecting data in case of network failures or outages



HIGHER PERFORMANCE

Data reaches its destination, quickly, with quality and cost-efficiency.

 With SCION, senders can select the optimal path that meets their performance requirements, including speed, quality and cost.



THE WORLD OF SCION

A growing ecosystem

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.



DIGITAL



E Extreme[™]

























cyberlink

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INFOSEC



CANCOM

FINASTRA



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

















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.

























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INSIDE THE SCION ASSOCIATION

Open, trusted, connected and curious

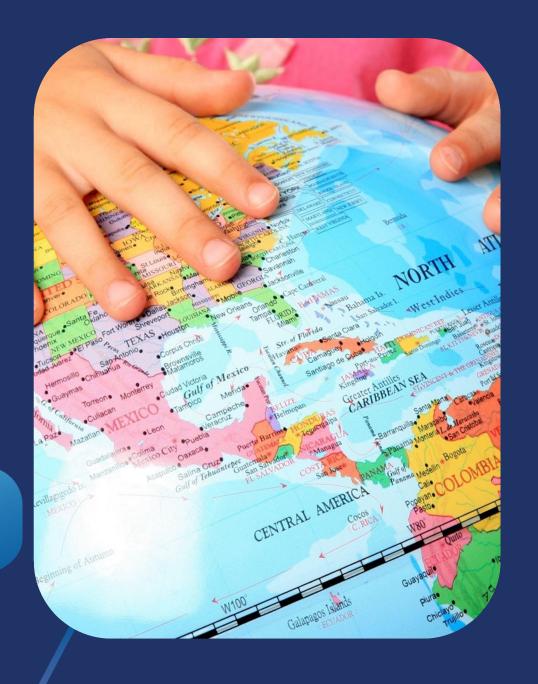




OUR PURPOSE

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.

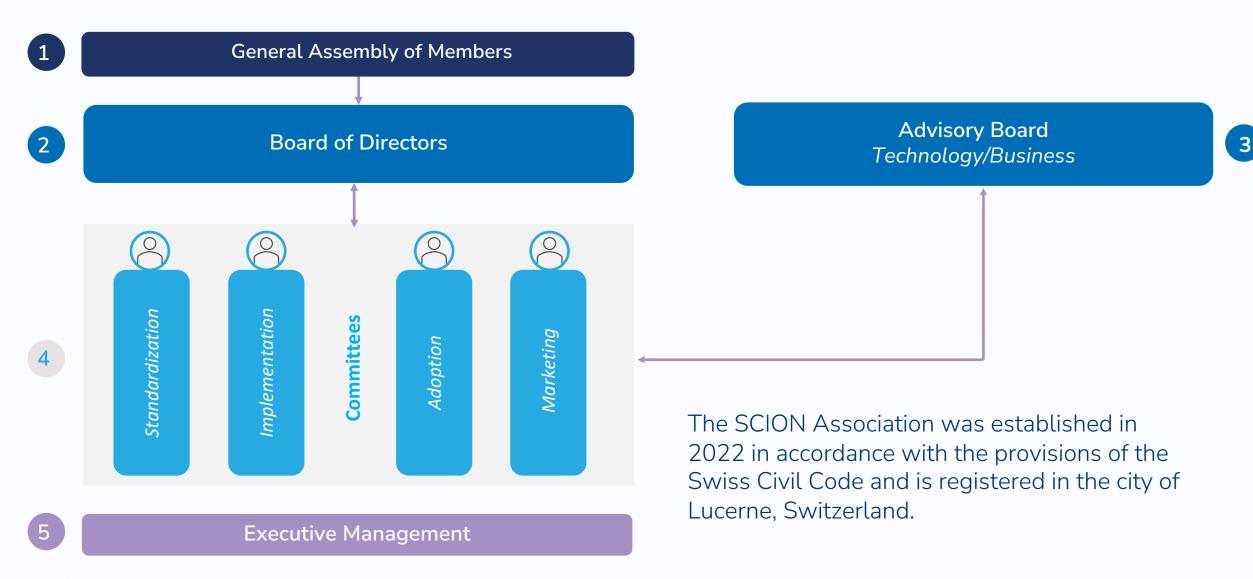


WE ARE CURIOUS

- 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



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Professor, ETH-Delegierter für Digitale Transformation, ETH Zürich



PROF. RETO FRANCIONI

Chairman BoD Swiss, UBS Board



DR. ULI SIGG

Private individual



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SNB Observer



ANDREA MAECHLER

BIS Observer



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HUI ZHANG

Chief Scientist, Chairman of the Board, Conviva



OUR TEAM







KATARINA GARIC

Marketing & Communications

Manager



JEAN-CHRISTOPHE HUGLY

Software Engineer



KEVIN MEYNELL

Community Engagement Manager



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 four core areas

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STANDARDIZATION

We create the specifications to implement SCION, with the goal of making it a global Internet standard.



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.



CERTIFICATION

We ensure compliance and global interoperability through a program* to certify that implementations, equipment, and people working on SCION meet the required standard.

*Coming soon



SCION STANDARDIZATION

A big step towards global adoption

INTEROPERABILITY

Multiple implementations ensuring compatibility.



OPEN ECOSYSTEM

Anyone can succeed with a clear specification.







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



HOW CAN MEMBERS GET INVOLVED WITH STANDARDIZATION?

Unlock exclusive benefits

Be informed with timely updates on the latest developments in the SCION project.



Attend meetings with the Standardization Committee and stay connected with like-minded companies.



Join us at IETF events worldwide for networking and collaboration opportunities.



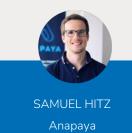
STANDARDIZATION COMMITTEE





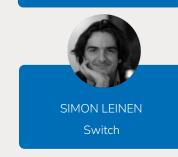














SCION OPEN SOURCE

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

A 68 Contribute ₡ 25

☆ 24

44 ೪

107

Contributors Used by

,

Stars

Forks

Techno

REFERENCE MANUALS

Control Service

SCION-IP Gatew

Router Gateway

Dispatcher

scion

scion-pki snet API 🖸

DEVELOPER DOCUMENTATION

Setting up the Developmer Environment

Style Guides
Testing

Dependencies esign Documents nformation for end-to-end communication

Technology

The ideas and concepts behind SCION.

Overview: SCION | Control Plane | Data Plane | SCION End Hosts

Reference Manuals

User documentation for the services, tools and programming libraries of the ${\sf open-source}$ SCION implementation ${}^{\it G}$.

- · For operators of SCION end hosts: scion | Daemon | Dispatcher
- For operators of SCION ASes: Control Service | Router | Gateway | Configuration | scion-pki
- For developers of SCION applications: snet API

Developer Documentation

Start with the Contribution Guide to contribute to the open-source SCION implementation

- Policies and Processes: Governance: TC Implementation | Change Proposal Process | Style
- Building and Running: Setting up the Development Environment | Running SCION Locally |
- Design Documents



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













SCION BRAND & COMMUNITY

Spreading the SCION story worldwide

MARKETING COMMITTEE

ADOPTION COMMITTEE

AMBASSADOR PROGRAM





MARKETING COMMITTEE

Unlock exclusive benefits

Get your products recognizable thanks to the SCION brand and trademark.

has been successful beyond even the most optimal and is intertwined with many aspects of our soci the world-wide communication system purameters of substitution in the most optimal social soc

SCTON Overview

at its

Enhance your marketing impact with cobranded campaigns and gain valuable insights into the success of campaigns led by other members.



Participate in joint events in Switzerland and abroad and get exposure.

















ADOPTION COMMITTEE

Expanding the SCION ecosystem

Identify SCION use cases, benefits, challenges and business models – develop market analysis.



Identify sectors for future SCION adoption and how these can be developed - connect to stakeholders, industry bodies & international initiatives.



Define and document best practices for SCION deployment - e.g. ISD governance, adoption playbook.





















SCION AMBASSADORS

Promoting and supporting SCION



HOW CAN YOU HELP?

- Speaking about SCION at industry events
- · Writing or contributing to webinars, articles and blogs
- Providing insight on using SCION in specific markets
- · Undertaking outreach with users and potential users
- Developing business cases for SCION adoption
- Developing and giving training on SCION, such as tutorials, workshops and online training
- Reviewing and advising on government policy and regulatory developments where SCION offers a solution
- Promoting membership of the SCION Association



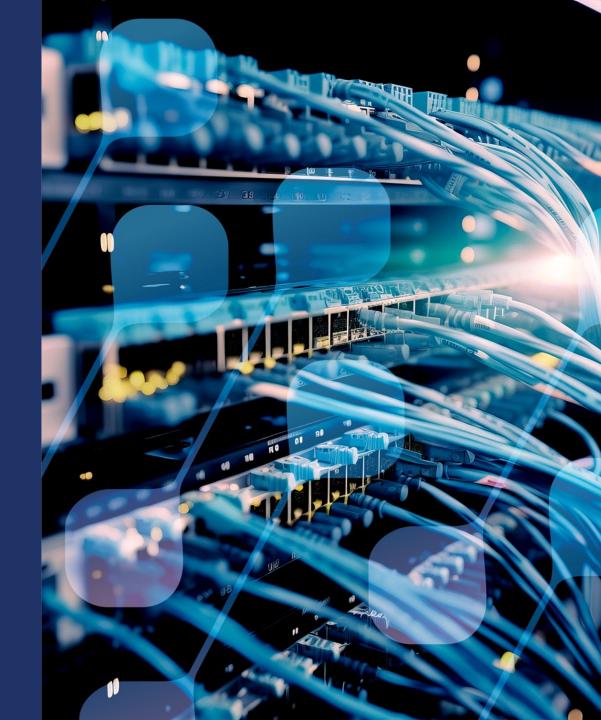
SKILLS AND EXPERTISE

- Knowledge of telecoms, network security, Internet routing and the SCION technology specifically
- Ability to explain the business value of SCION to different stakeholders, including commercial companies, governments, and other public sector organizations
- Understanding the needs of target markets and how SCION can help
- Willingness to be a national, regional or sector specific expert, and how SCION can offer solutions
- Track record in developing customer relationships for Internet products and services
- · Skilled in technical training delivery, including to non-technical audiences.



OUR MEMBERSHIP MODEL

Join a vibrant community, be a catalyst for change!





SCION ASSOCIATION MEMBERS

SUPPORTER MEMBERS



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



DR. ULI SIGG As a private individual



ADOPTER MEMBERS





cyberlink





















MEMBERSHIP & BENEFITS

Join the SCION ecosystem

Join the SCION ecosystem	ADOPTER	COMMUNITY	SUPPORTER
 Exclusive use of the SCION wordmark & logo in marketing & products for commercial use (free for academia) Be listed as a SCION provider on www.scion.org Free SCION AS number assignment* 			
 Be featured at SCION Day & community events Be part of general assembly, voting rights (excl. free tiers) Marketing starter package (including basic messaging)* Join non-technical WGs 			
 Right to Technical Committee membership Custom joint events under the SCION banner * Featured content for social media and/or articles upon joining* Certification discount* 			
Access to SA leadership for strategic discussions/guidance *Coming soon			



VALUE-BENEFITS FOR ISPs

Telecommunications providers, IXPs and NRENs









ADVANTAGES

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

ADVANTAGES

Influence technology future developments

ADVANTAGES

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

ADVANTAGES

 SCION-Certify your employees, devices, deployments for a discounted fee

BENEFITS

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

BENEFITS

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

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

BENEFITS

- Maintain security & quality across the whole SCION ecosystem
- Differentiate from competition
- Protect your investment by being a true quality SCION ISP



THANK YOU

Time for questions!

SEND ME AN EMAIL



NICOLA RUSTIGNOLI Co-CEO SCION Association

FOLLOW US



VISIT OUR WEBSITE



