

The Secure Swiss Finance Network (SSFN)

What is unique about SSFN?

The SSFN increases the security and resilience of network connections to the Swiss Interbank Clearing (SIC) system and to other Financial Market Infrastructures (FMIs). While the SIC system will be the first, soon all SIX services will be enhanced by the SSFN. The new network not only allows for the exchange of messages between FMIs and participants but also enables data to be exchanged securely between participants using the same architecture.

Why do you need to join SSFN?

Built on SCiON technology, the SSFN is a SIX (Swiss Exchange) communications network governed by the Swiss National Bank that offers superior security, flexibility and resilience. The network was launched in close collaboration with [Swisscom](#), [Sunrise-UPC](#), and [SWITCH](#) and represents a breakthrough for financial cyber-security.

SCiON, which stands for Scalability, Control and Isolation On next-generation Networks, is a protocol developed for over a decade at the Swiss Federal Institute of Technology (ETH) Zürich. Unlike SD-WAN solutions, SCiON does not rely on overlay tunnels and supports an entirely new type of underlying network, more comparable to the Internet or MPLS VPN but with improved security and control.

Join SSFN in 3 simple steps:

- 1 Obtain a connection
- 2 Activate a gateway
- 3 Apply for access certificate from [SIX](#)

What are the benefits?



Controlled: Access to the SSFN can only be granted by certificates issued by SIX, which are monitored and updated, creating an ecosystem where financial institutions can trust other participants.



Protected: Data stays within closed user groups on defined paths, making the network impervious to routing attacks and highly secure.



Resilient: Path-aware routing means that the SSFN is protected against DDoS attacks with instant failover measures and no session interruptions, ensuring reliability.



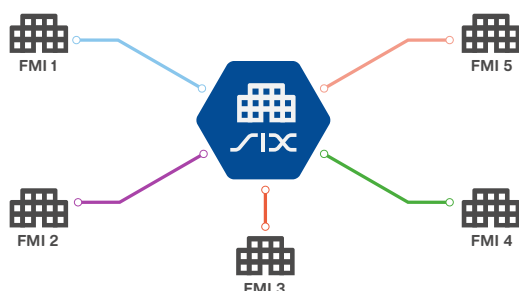
Governed: SIX, SNB and SWITCH all help govern the SSFN in real-time with central access control.



Flexible: SSFN senders and recipients use an any-to-any infrastructure, connecting through the same or different carriers for fluid and efficient digital transactions while remaining carrier independent.

OLD FINANCE IPNET

Centralised «Hub and Spoke» architecture through SIX



NEW SSFN

Ecosystem-based «any-to-any» architecture

