



SCION: how to augment the Resilience of Armed Forces Operations in Perturbed Global Networks

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Critical services like the Internet...

Global Risks

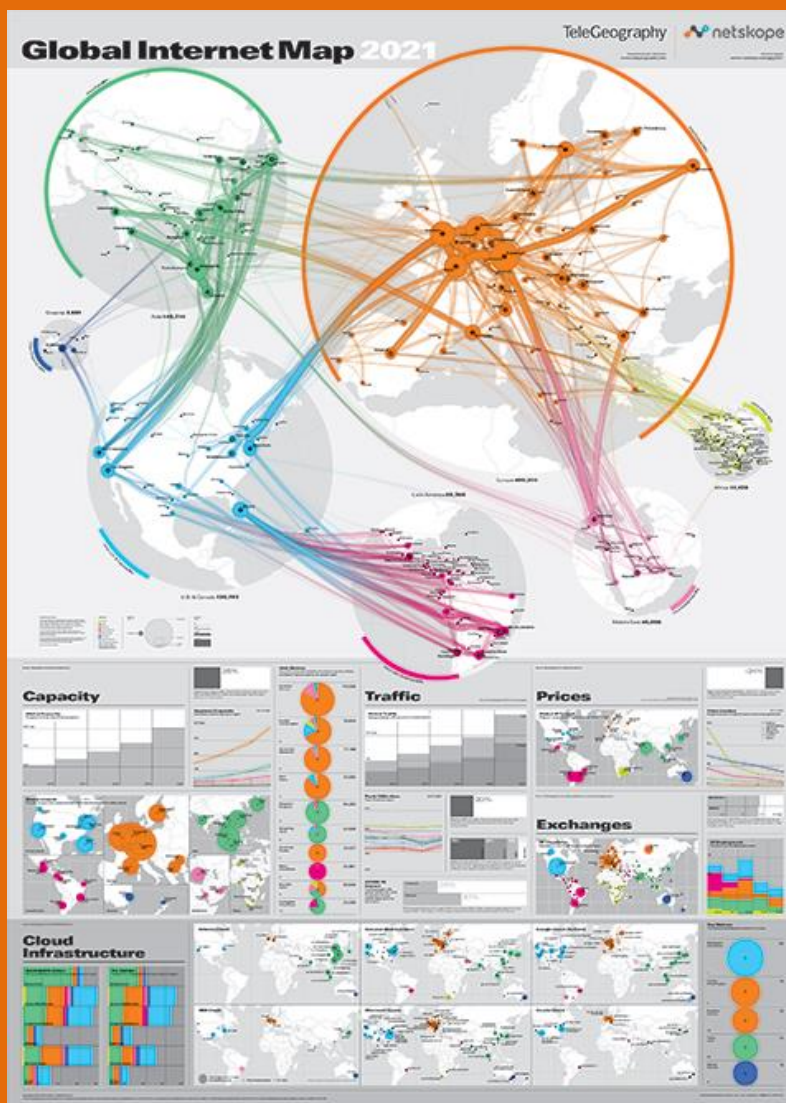
- Natural Disasters
- Geopolitical Tensions
- Hybrid Conflicts

Technical Risks

- Distributed Denial of Services
- Cyber Attacks against Cloud Providers
- Vulnerabilities in Sensitive Components and Services



... are considered as granted by our society...





... which becomes more and more dependent ...





... but we all know that resilience is not for free.





Goals

Short Term

- Verify that SCION can mitigate global network connectivity issues, assuming that networks at regional level still work.
- Provide two or more SCION Gateways that are at the distance of 1 or 2 hops from the SCION Edge.

Long Term

- Create a global network of SCION Gateways that allow units to regionally connect over local BGP Networks,
- (1) robustly reach central systems in Switzerland
- and (2) interact regionally.



Proof of Concept

