The IoT Security Challenge Jimmy Johansson, CISSP Information Security and Privacy Officer



Introducing Telenor Connexion

Telenor Group

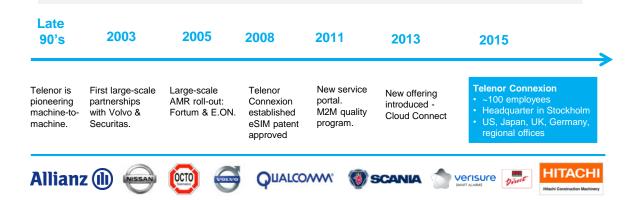
Providing tele, data and media services in the Nordics, Europe and Asia.



- 200 million mobile subscriptions
- 33,000 employees
- Operations in 13 (+17) markets

Telenor Connexion

We design and operate connected business solutions. +15 years experience.





SHODAN

Enterprise Access Contact Us

SHANGHAI

And Account

The search engine for the Internet of Things

Shodan is the world's first search engine for Internet-connected devices.

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Create a Free Account



Explore the Internet of Things

Use Shodan to discover which of your devices are connected to the Internet, where they are located and who is using them.



Monitor Network Security

Keep track of all the computers on your network that are directly accessible from the Internet. Shodan lets you understand your digital footprint.



See the Big Picture Websites are just one part of the Internet. There are power plants, Smart TVs, refrigerators and much more that can be found with Shodan!

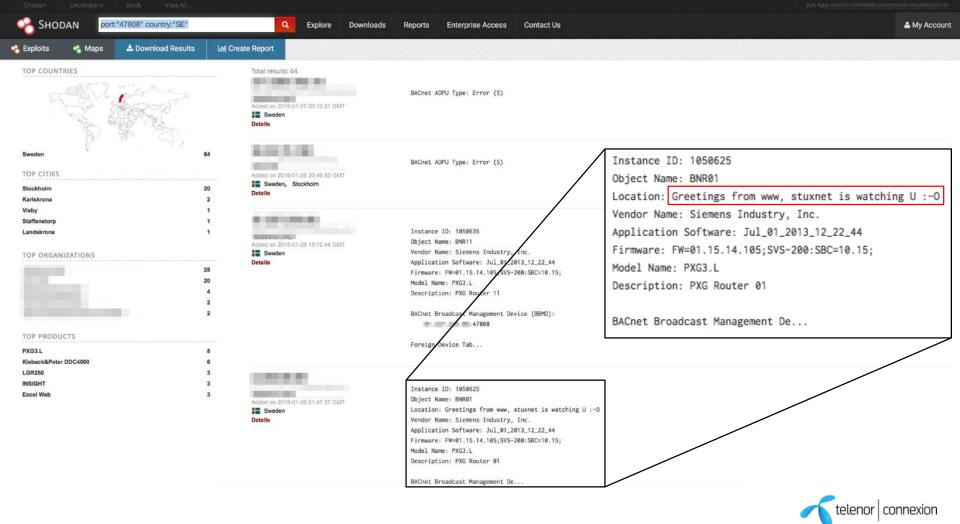


Get a Competitive Advantage

Who is using your product? Where are they located? Use Shodan to perform empirical market intelligence.

In 2009, John Matherly launched Shodan

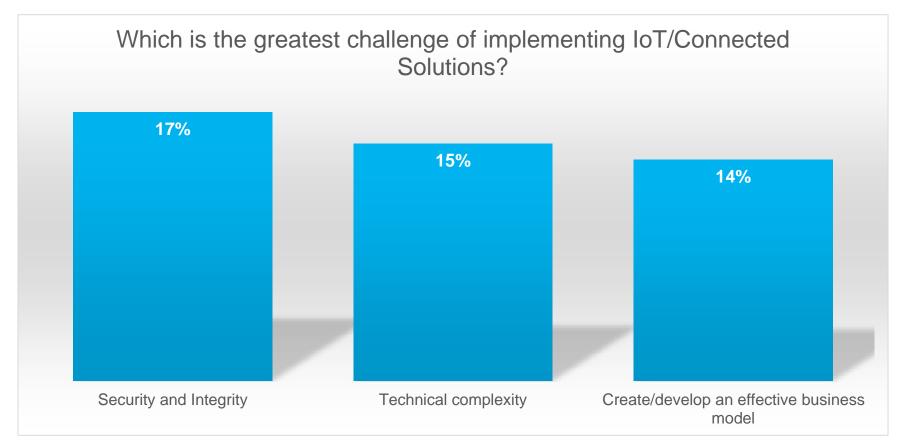




Building Automation and Control Network (BACnet)







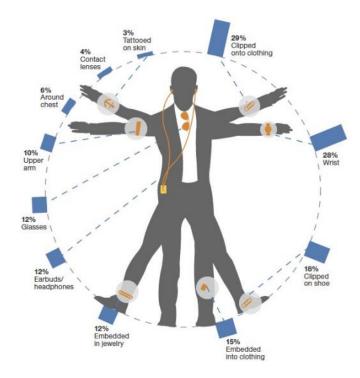


Security Challenges

Too many build unique and proprietary solutions	New and often immature technologies are being used	Time to market often trumps security and quality
 Belief in security by obscurity Customer lock-in Harder to use the IoT ecosystem 	 Flaws in 3rd party HW and SW Updates might break the design Sudden stop in future updates 	 Hacked shortly after launch More expensive to fix afterwards Brand damage takes time to heal
Lifecycle Management is not mature enough, or is simply missing	Existing best practices and frameworks are not being used or considered	There is a shortage of security professionals
 Risk are not treated properly Poor design decisions Post-launch patching? 	 Mistakes are repeated OWASP top 5 has not changed, at least not much over the years 	 Lack of skills and expertise Supply and demand Slow progress



IoT inherit existing threats. What is actually new?







Thank You!

Telenor Connexion



Jimmy Johansson



