



Helvetic Coding Contest

Open Systems



Agenda

- Who is Open Systems?
- Working at Open Systems
 - Professional Services
 - Labs
 - Mission Control
- Current Research Topics
- Open House Event



Adrien's career path...

- **German / French Matura in Lausanne**
- **Computer Science at EPFL**
- **Master's Thesis in Sophia Antipolis (Nice, France)
SAP**
- **Security Engineer, PS
Open Systems**



Stéphanie's career path...

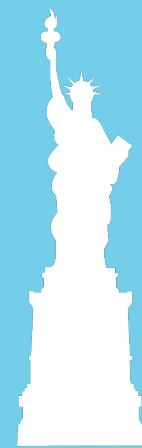
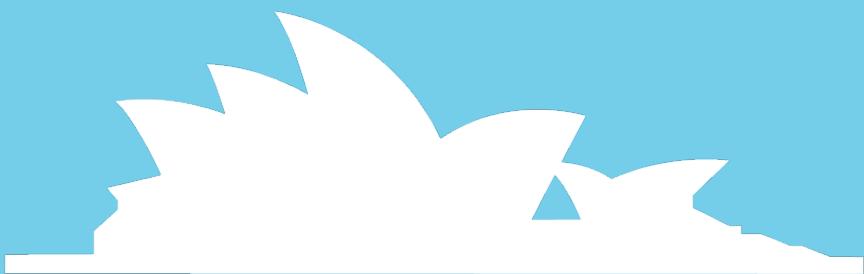
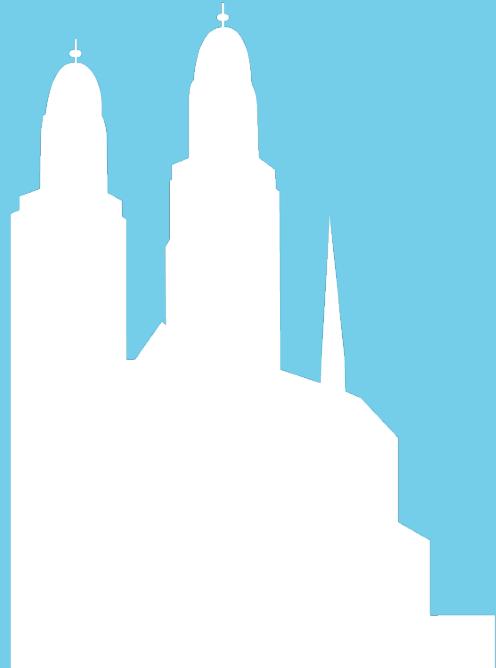
- **Matura in Burier**
- **Computer Science at EPFL**
- **Exchange year in the USA**
- **Master's Thesis at Logitech**
- **Security Engineer, PS Open Systems**

Company overview

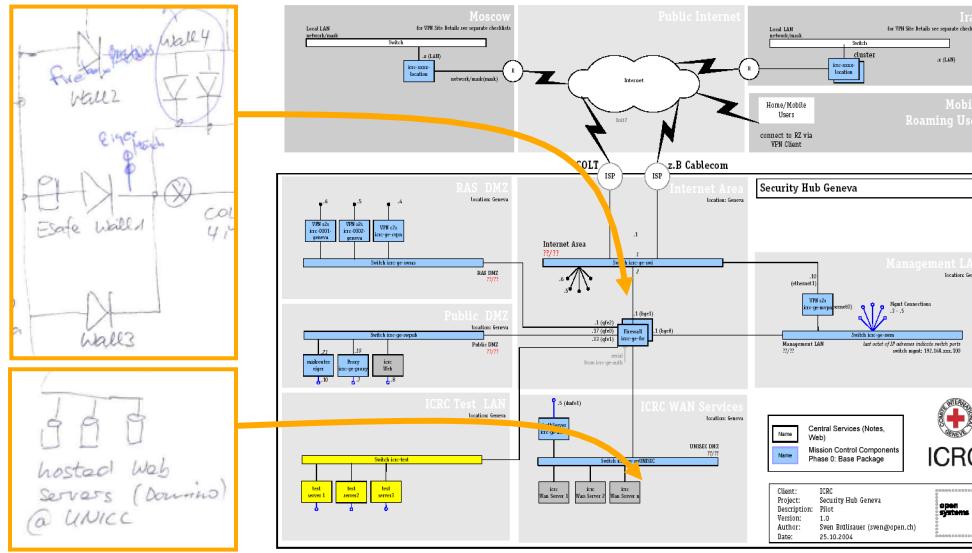




Founded	1990
Locations	Zurich, Switzerland Sydney, Australia New York, USA
Ownership	Swiss, private
Operations	More than 2,500 secure systems in over 175 countries 24x7/365
Focus	Global IT security ITIL-certified FINMA, SOX, FDA compliant Vendor independent Provider independent Maintenance and operations Fast, reliable and efficient
Representative of	FIRST Forum for Incident Response and Security Teams www.first.org



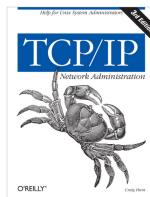
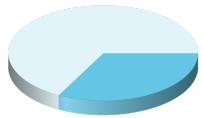
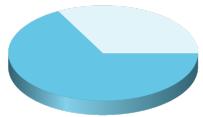
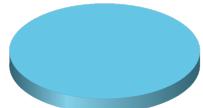
Professional Services...



- ... main contact for customer
- ... technical account management
- ... design and technical responsibility
- ... deployment design, installation and rollout
- ... enforcement of best practices
- ... retention and new services
- ... customer relationship

Labs

In-House-O-Meter



Web Portal



Services



Network/Transport

Operating Systems

Hardware Platforms



mission control™
security services

The operational challenge: What customers need

7x24/365 support
Friendly communication
Security and reliability
Transparency
Service level agreement

The answer: Mission Control



Application Shield

Protect internet applications with secure access, fend off attacks and threats from the internet.



Firewall

Separate multiple security zones, define authorized connections and implement security policy.



Internet Proxy

Separate and organize Web access, protect users from direct attacks.



Security Gateway

Provide branch offices with efficient site and communication protection to meet global objectives and local needs.



Passport

Implement strong authentication, manage access authorization centrally, reliably prevent misuse of password.



Intrusion Detection

Scan network continuously to detect and prevent intrusions and security breaches.



E-Mail Shield

Protect e-mail infrastructure effectively from overloading, spam, malware (viruses) and attacks from the Internet.



Client VPN

Work with the same comfort and security as in the office – at home or on the road.



Load Balancer

Actively use redundant resources. Put proxy servers and applications in parallel operation to increase the capacity and reliability.



WAN Management

Use single point of contact to evaluate, operate and continuously benchmark providers in 440 cities in over 110 countries.





Education

- Initial education
 - Mission Control certification
- Ongoing trainings
- Long term career planning



Current Research Topics





Smart Proactive Monitoring

Our little secret: **GUMA (Grand Unified Monitoring Architecture)**



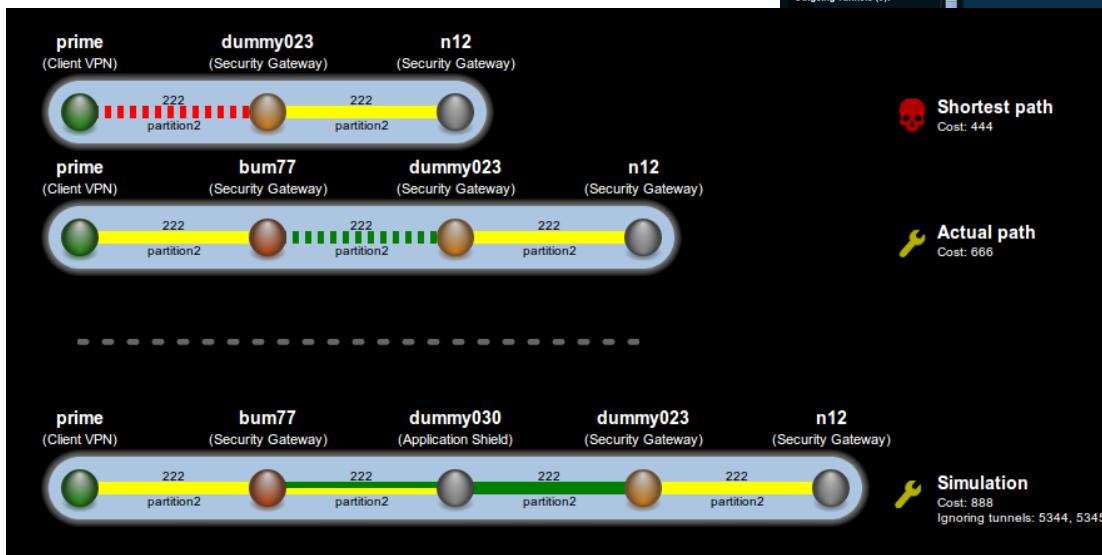
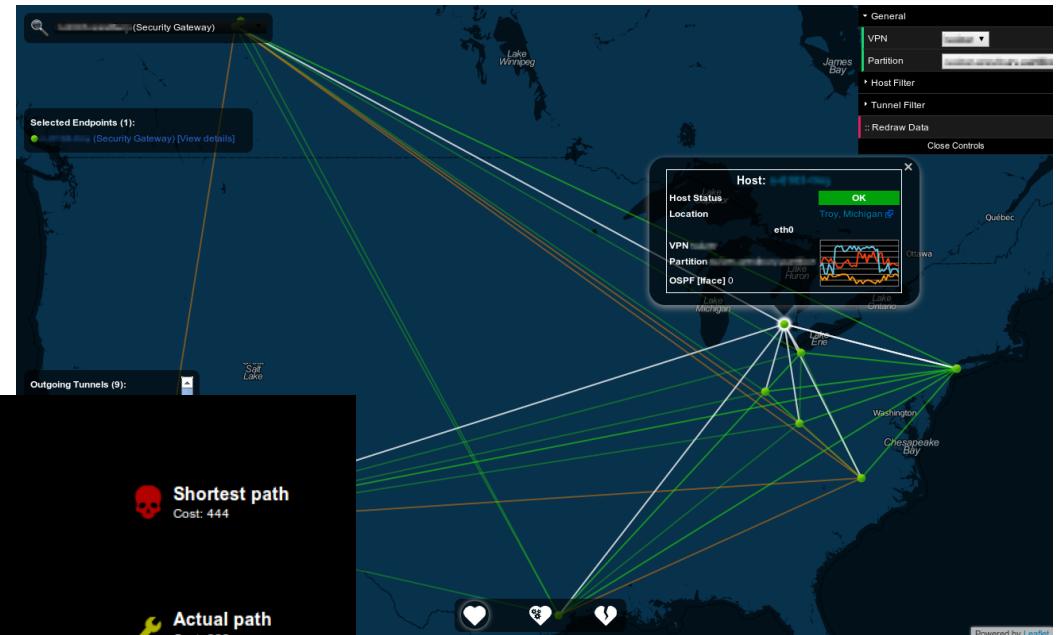
Mission Control Nurses monitor 3861 SYSLOG messages on every security platform and are in a position to escalate every event in real time with appropriate operating instructions.

VPN Visualization

Master's Thesis: Florian Gysin, EPFL Student

VPNs operated by Open Systems

- over 1800 security gateways
- in over 170 countries
- over 6500 VPN tunnels



Open House Event:

Thursday, 25 April 2013 (Start 16:30)

Register on www.open.ch



Good Luck!

