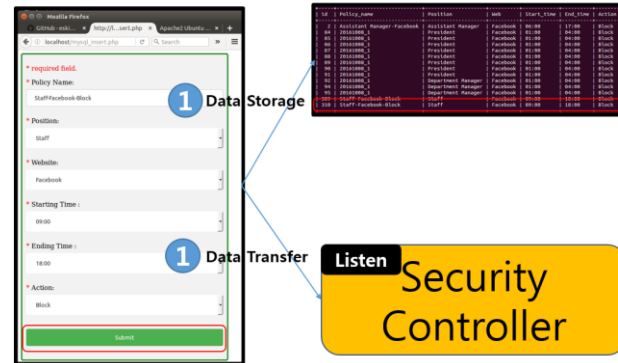


IETF I2NSF (Interface to Network Security Functions) Working Group: I2NSF Framework Project

Champions: Jaehoon Paul Jeong, Jinyong Tim Kim (SKKU), Jung-Soo Park (ETRI), and Tae-Jin Ahn (KT)



I2NSF Client (Web)



Where to get code

- Github – Source code
 - ✓ <https://github.com/kimjinyong/i2nsf-framework>
 - ✓ Provided by USB Driver

What to pull down to set-up environment

- OS : Ubuntu 14.04TL
- Confd for NETCONF : 6.2 Version
- Apache2 : 2.4.7 Version
- MySQL : 14.14 Version
- PHP : 5.5.9 Version
- Mininet : 2.2.1 Version
- OpenDaylight : Distribution-karaf-0.4.3-Beryllium-SR3
- XSLT : (Extensible StyleSheet Languages Transformations)

Professors

- Jaehoon (Paul) Jeong (Sungkyunkwan)
- Hyounghick Kim (Sungkyunkwan)
- Hoon Ko (Sungkyunkwan)
- Sangwon Hyun (Sungkyunkwan)

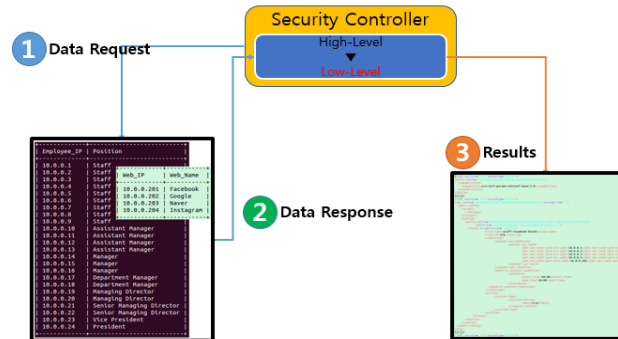
Collaborators

- Jung-Soo Park (ETRI)
- Tae-Jin Ahn (Korea Telecom)

Students

- Jinyong Tim Kim
- Daeyoung Hyun
- Eunsoo Kim
- Dongjin Hong
- Tae-Kyun Roh
- Sarang Wi
- Seungjin Lee

Security Controller



Manual for Operation Process

- README.txt

Contents of Implementation

- Firewall
- Web Filter

Mission

- Firewall and Web Filter for Enterprise
 - ✓ I2NSF Consumer
 - Data transfer to security controller.
- ✓ Security Controller
 - Translation from a high-level policy to a low-level policy.
 - YANG data model design for firewall policy.
 - Implementation network configuration (NETCONF).
- ✓ Network Security Functions & Security Function Forwarder
 - Implementation firewall and web filter

Network Security Functions (NSF) -Triggered Steering

