SDN-Based Security Services using I2NSF draft-jeong-i2nsf-sdn-security-services-05





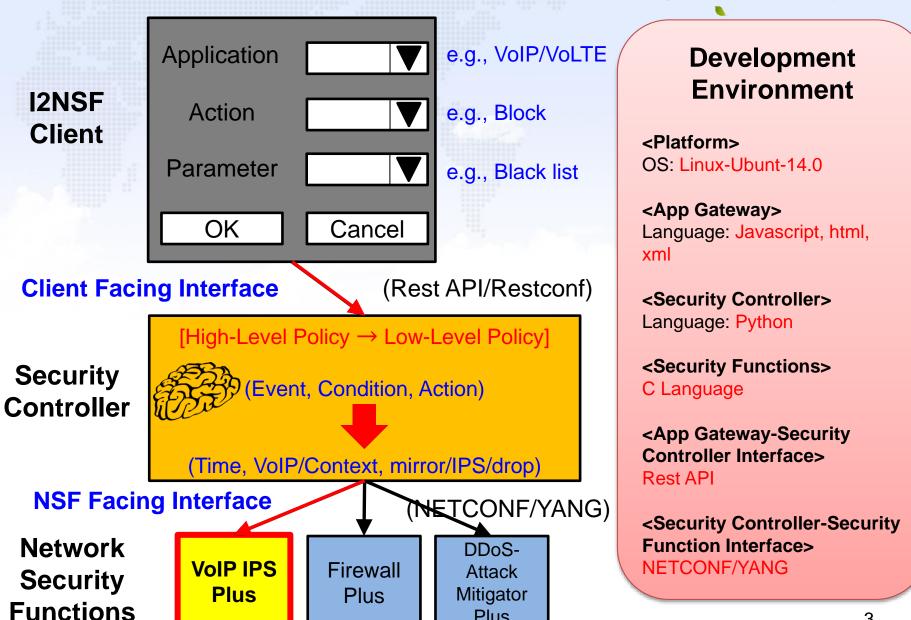
Jaehoon Paul Jeong, H. Kim, J. Park, T. Ahn, and S. Lee.



Updates from Version -04

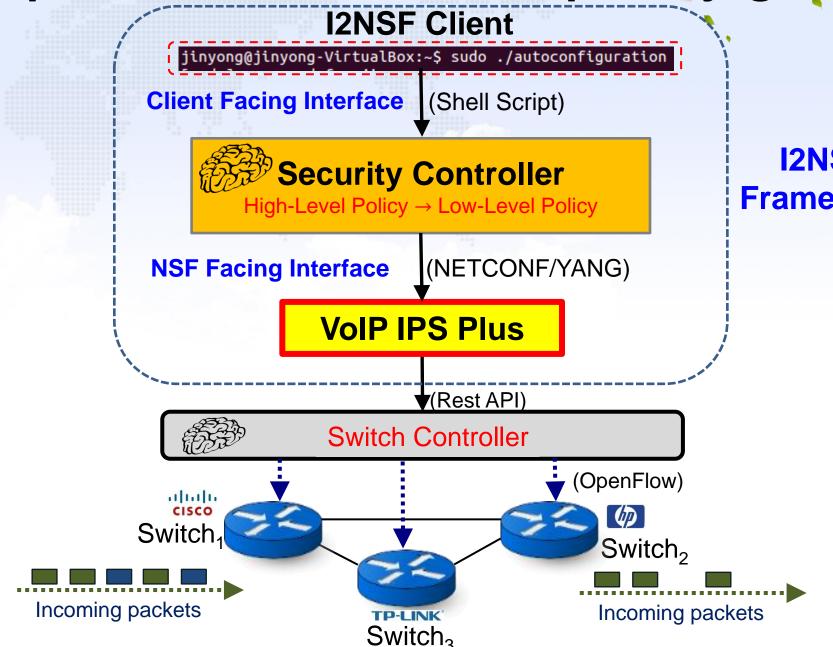
- According to the change of terminology in I2NSF'framework, the names of the components and interfaces are updated:
 - Application Controller -> I2NSF Client,
 - Capability Layer Interface -> NSF Facing Interface, etc.
- Three use cases in this document can use a data model corresponding to the information model for NSF facing interface.
 - draft-jeong-i2nsf-capability-interface-yang-02
- SDN-based security services can use a security management architecture for handling security policies.
 - draft-kim-i2nsf-security-management-architecture-01
- Our framework can enforce low-level security policies by using service function chaining (SFC)-enabled I2NSF architecture.
 - draft-hyun-i2nsf-sfc-enabled-i2nsf-00

I2NSF Architecture for VolP IPS



Plus

Implementation based on OpenDaylight



I2NSF Framework

Next Steps for this Draft

- Provisioning of the Information Model and Data Model for the VoIP/VoLTE for Security Controller, i.e.,
 - Client Facing Interface between I2NSF Client (for VoIP/VoLTE) and Security Controller, and
 - Registration Interface between Developer's Management System and NFS