

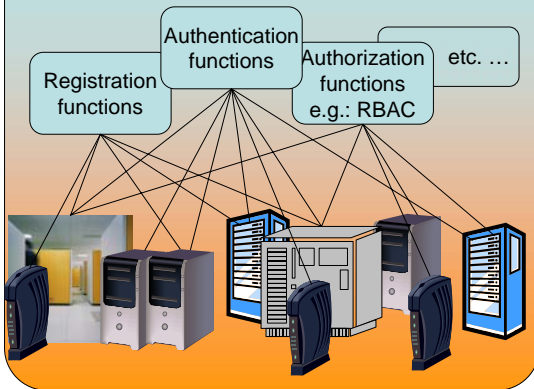


PNP 2008

FREEBAND

Towards a security architecture for a Personal Network Provider

Current Security Architectures



Current Architectures

- No clear distinction between architectural levels
- Multiple, different implementations of same functionality
- Multiple, different functionality supported by same service

Results (expected)

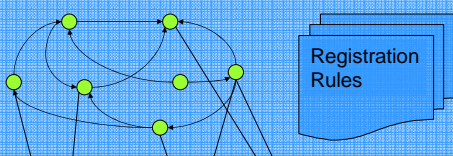
- Substantial complexity reduction
- Estimated saving of 50-80% of IT budget in large companies
- Achieve integrity while integrating business, processes and systems
- IEEE 1471 conformant 'cookbook' to make architectural descriptions that actually work
- ~~Potential~~ **Actual** reuse of service components

'IST'

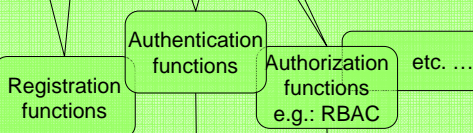
'SOLL'

PNP2008 Security Architecture

Conceptual level



Functional level



Realisation (System) level



Conceptual level

- Fix terminology (semantics)
- Unambiguous semantics
- Consistent

Functional level

- Unambiguous functional specifications
- 1 set of functions for each purpose (service!)

Realisation (System) level

- 1 (or 2) implementations per service
- multiple implementations have different operational characteristics, but the same functional interface.