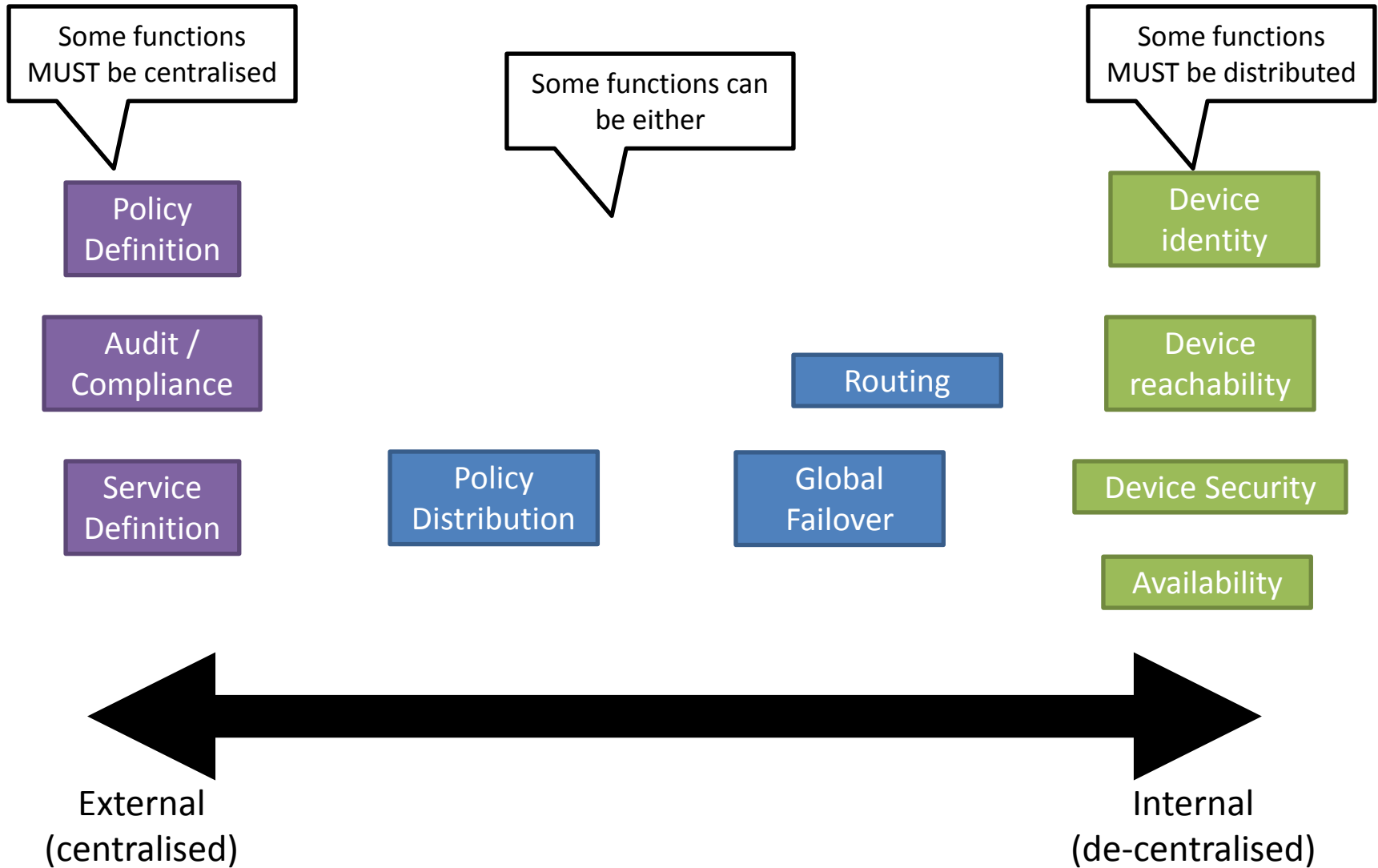


Autonomic Networking and SDN

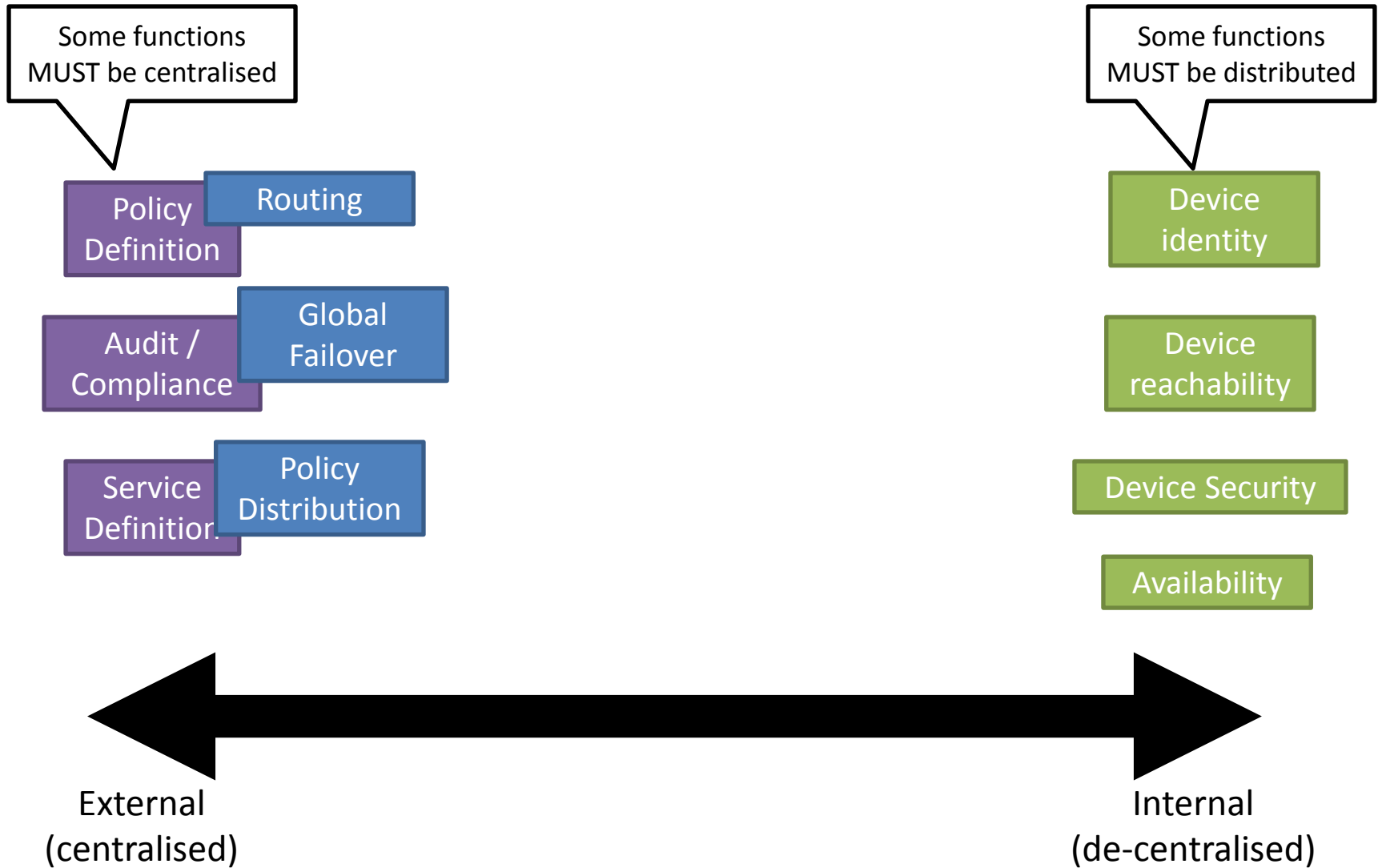
Complementary Concepts

Michael Behringer
SDN RG, 24 Jul 2014

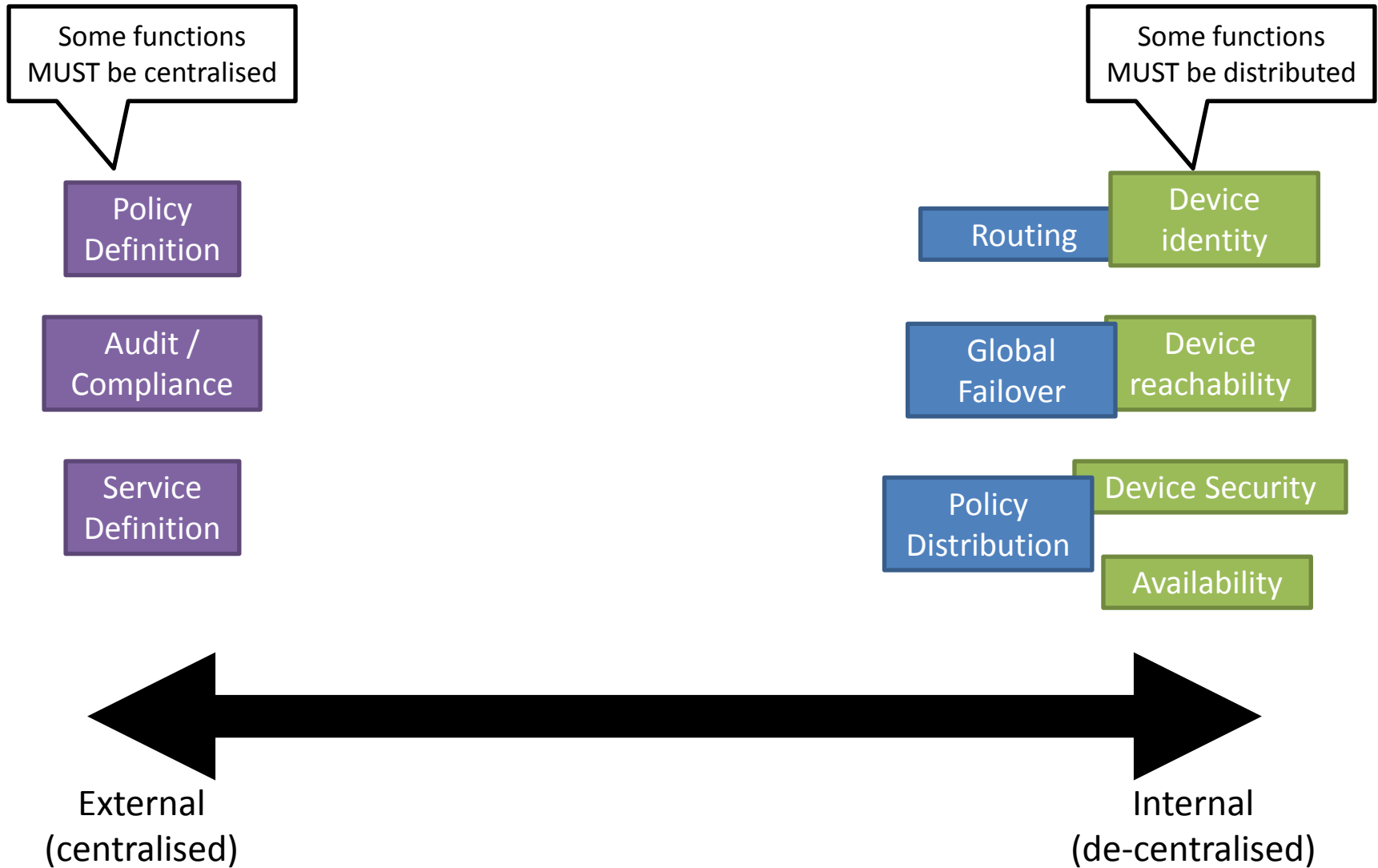
Distributed or Centralised?



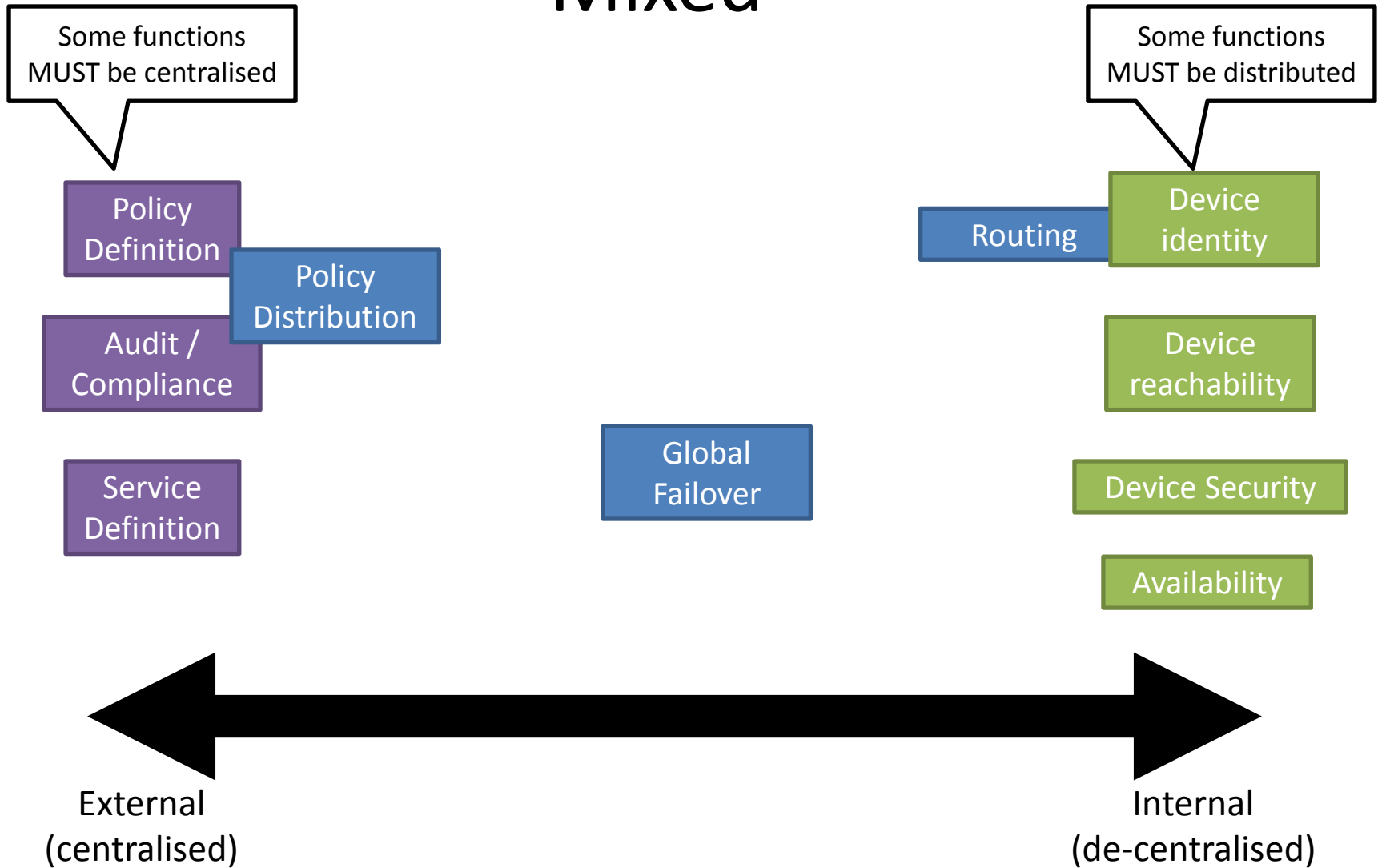
Extreme 1: Maximum Centralisation



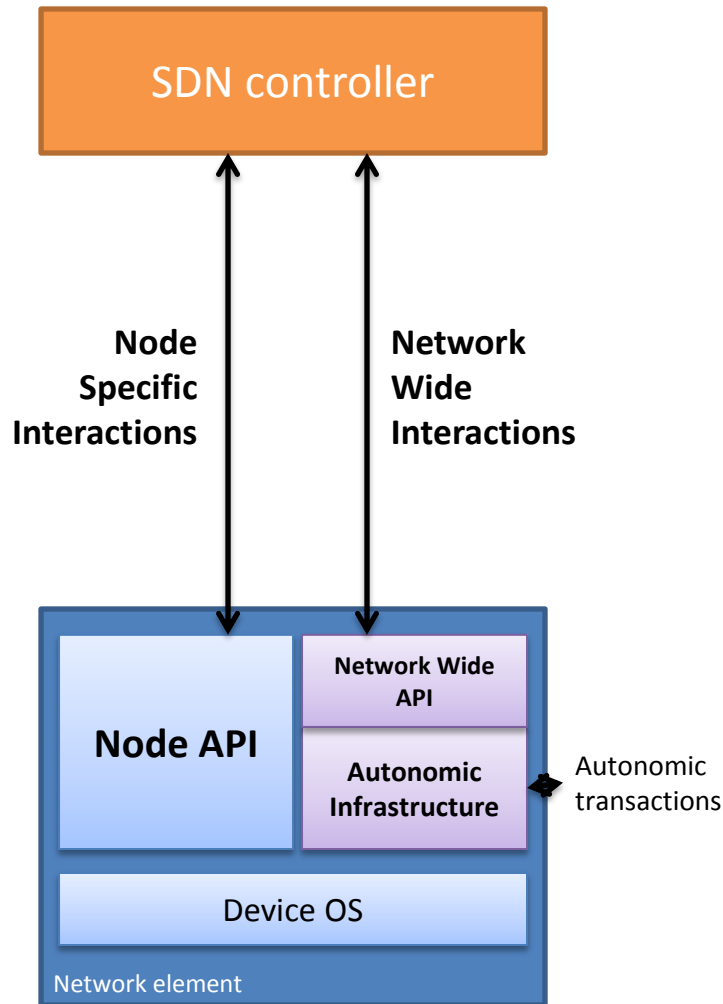
Extreme 2: Maximum Distribution



Likely Scenario in Most Networks: Mixed



SDN and Autonomic Infrastructure



- **Autonomic:**
 - Provides baseline security
 - Provides baseline reachability
 - Sets default behaviour of network
- **SDN Controller:**
 - Sets device specific behaviour
 - Policy definition and distribution
 - Service definition and distribution
- **Conflict resolution:**
 - Device specific overrides default behaviour