
Network SOA: Where Complexity Requires Autonomicity

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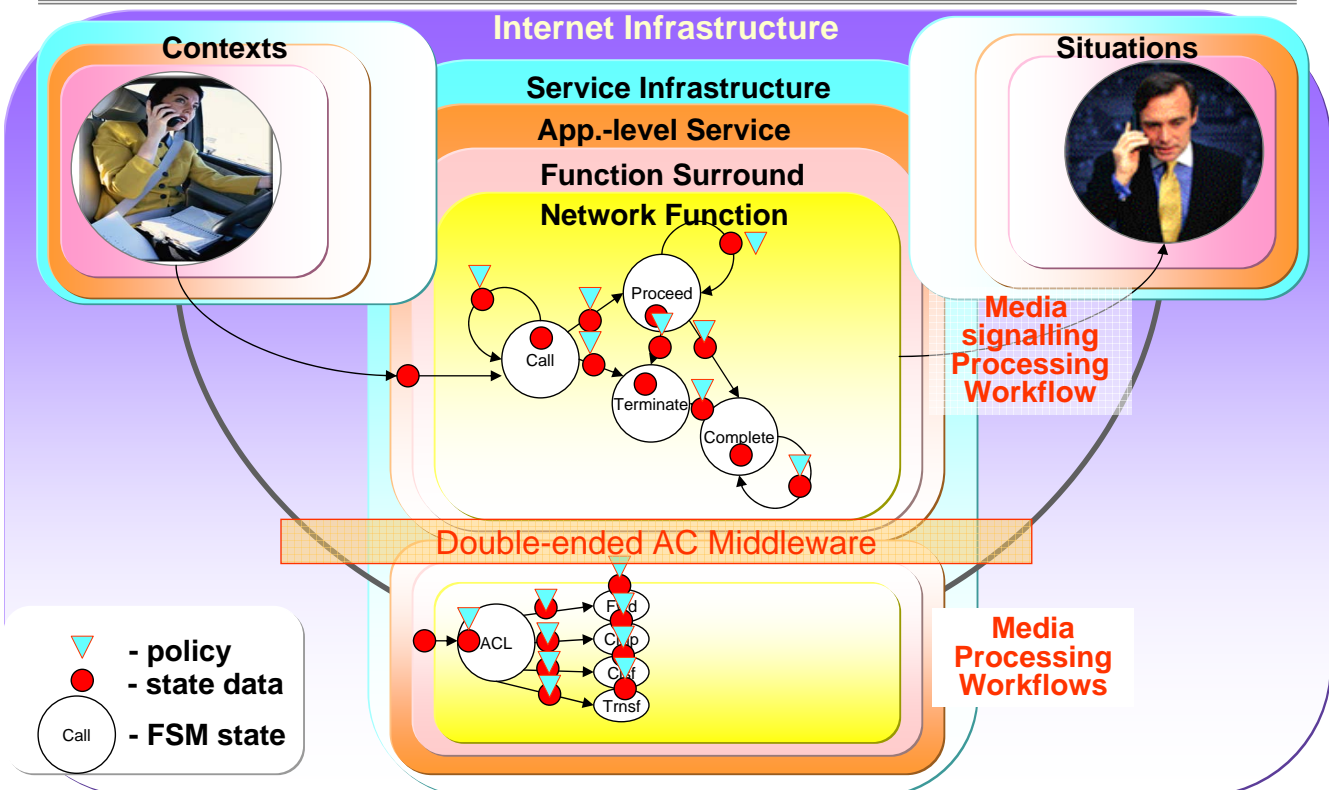
SOA is a Requirement

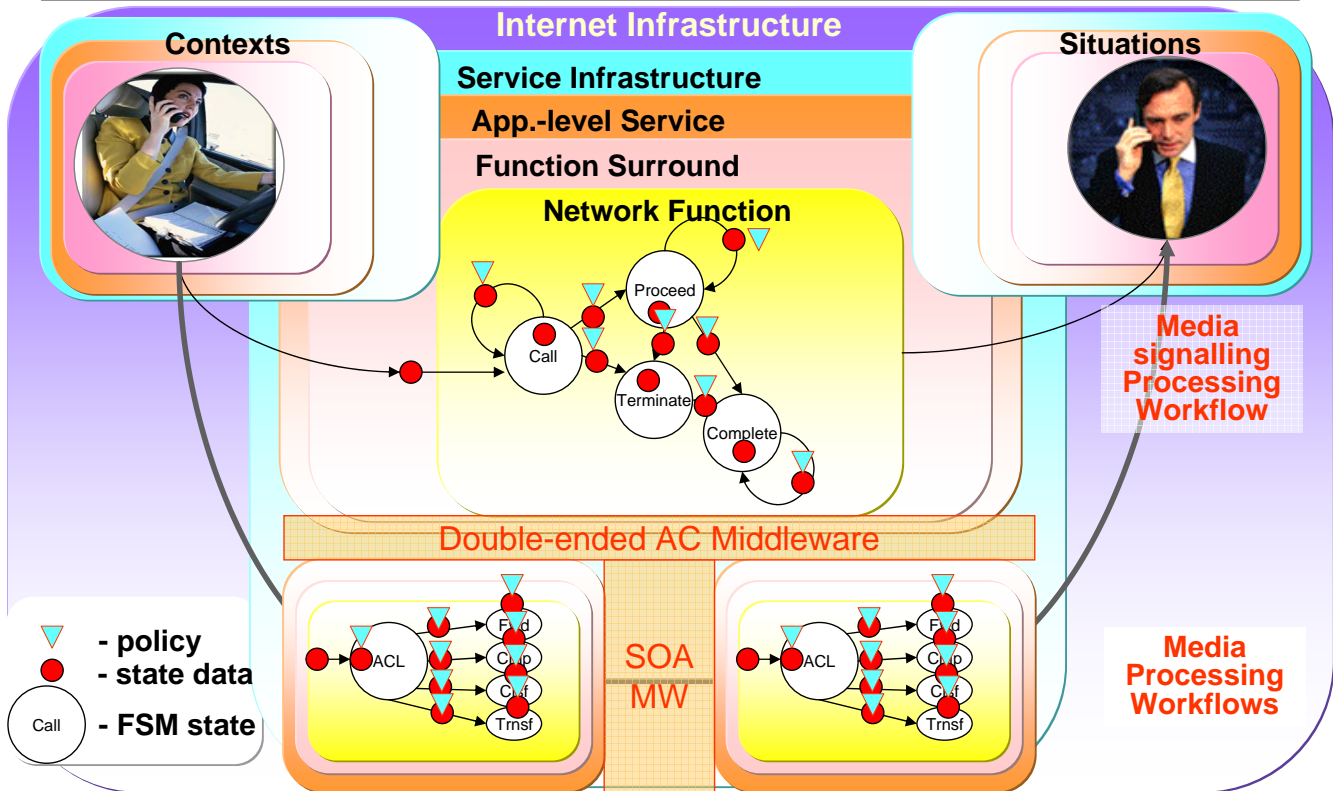
- Network oriented R&D [in EU] these days is largely driven by commercial interests, by expectations of **new services**
 - FET S&AC is a rare exception
- In **service-oriented computing** autonomous, platform-independent computational entities are dynamically assembled into massively distributed evolvable systems
- Services traded to users on a retail interface (RI) need to be supported on a wholesale interface (WI)
 - RI complexity ~ WI complexity
 - E2E broken?

The “end-to-end argument” postulates that no functionality, and/or intelligence critical for end-to-end communication should be placed inside the network



The AC “end-to-end argument” postulates that no functionality, and/or intelligence that **can not self-recover** should be placed inside the network





Network service-oriented architecture requires new abstraction layers

