

Proposal for a session at the Future Internet Assembly

Subject: Self-Management

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Scope (Max 5 lines text) With self-managing components, several requirements for the Future Internet can be satisfied. Self-healing functions can improve resilience, Self-configuration reduces operational cost, increases scalability and helps dealing with highly dynamic changes, for example with mobile networks. The Future Internet will be composed of autonomic components with each of them containing functions to manage themselves according to operator-set high-level policies.
Initiator domain: Network of the Future
Priority from the originator domain: High
Duration of the parallel session: ~2.5 hours
Other domains required to participate and how: <ul style="list-style-type: none">• Services and Software: The self-management paradigm does apply to service management as well as to network management. Some of its advantages can be better exploited if both networks and services are managed autonomically.• Security, Privacy, and Trust: Self-managed systems need to exchange status information and coordinate actions. This requires the need for trusted relationships
Some possible endorsement/support from other domains:

Projects involved: AUTO-I, EFIPSANS, EURO-NGI, 4WARD, SOCRATES, RESERVOIR

Duration of the session:

1. Overview of other EU funded work in the area (involved projects) (6 * 10 min talks + discussion)
2. Initial proposal for a research programme / white paper contents (30 min)
3. Panel on Self-Management in the Future Internet: "Can we create fully self-managed networks in incremental steps or would this need a clean slate approach?" (45 min)