A Reference Model for Autonomic Networking
draft-ietf-anima-reference-model-03.txt

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Changes from -02

- Added state machine (see later)
- Outline change:

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- Term “Intent distribution” → “Information distribution” (using now the more generic term)
- Not covering information distribution → Out of scope
- Out of scope topics: Inline, marked with “*” (suggestion to leave like this)
- Bootstrap proxy now clearly explained as an ASA.
- Terms:
  - "The Proxy ASA" is now "The Join Assistant ASA"
  - "The Registrar" is now "The Join Registrar".
State Machine: ANIMA Device

- **Factory default**: Auto-conf interfaces
- **Bootstrapping**: If not
  - **Enrolled**: ANIMA domain neighbor discovered (GRASP M_FLOOD)
  - **Join ACP**: ACP “up”
    - **In ACP**: While at least one “Join Registrar” is available in ACP:
      - Run “Join Assistant” ASA
- **Lost last ACP channel**: Factory reset
- **Device has a domain certificate (LDevID)**
- **Device has a vendor certificate (IDevID)**
- **This is BRSKI, as seen from pledge; see separate state machine**
Open questions / items

• Follow-up security review from Nancy, and work through security considerations
• Otherwise, reference model is “done”. (feedback?)

• Next big step: Read all docs together and make sure:
  • Using the same terminology
  • Cross references correct / complete
  • All details (packet formats, certificate fields, etc) are defined, and are consistent (what’s missing for a full implementation?)
  • Two ways of reading: “AN context” and “standalone” for GRASP, BRISKI, ACP.