

MANA
Architecture Brainstorming
Results
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Motivation

- Why do we need an architecture?
 - Internet vs normal architecture discussion
 - We cannot start from beginning without architecture (situation 1969 was different)
 - Is a help for structuring thinking and decomposition of concern
 - Probably word architecture is ambiguous
 - Help defining common language

Some comments

- Multiple vs single reference models/ architecture
- Monolithic vs component based
 - Invariants
 - and how capture, and how non-variants are involving
 - minimal common principles
- Open network vs more closed versions of architecture

Max 5 priorities on Architecture

- Methodology to define architecture?
- How to evaluate an architecture?
 - What are the metric? (meeting the requirements, what are the constraints)
 - Might help the comparison of given architecture
 - How to evaluate the value of an architecture (apply different metrics)
- Restructure/Evolution the traditional plane (data, control, management) approaches
 - How fit services into the picture

Various comments

- Interoperability
 - Different level of interoperability
 - Is a requirements?
 - Interfaces (APIs, exposure, vertical vs horizontal)
- Different QoS might require different architectures (might still work under the same reference model)

Next Steps

- Document
 - Contribution to paper based on the discussion
 - On the questions
- Next Meetings
 - ITU-SG13, FG FN, Jan 20-21, 2010, Geneva
 - **Future Internet Cluster, Jan 26, 2010, Brussels**
 - **MANA architecture discussion**
 - Future internet cluster, March 9, 2010 (Euro-NF), VirtualNets and Information-Centric Networking
 - ETSI WS, March 10-11, 2010
 - FIA Valencia, Apr 14-16, 2010
 - Future Networks & Mobile Summit, June 16-18, Florence