TF-NGN AAA research

Cees de Laat

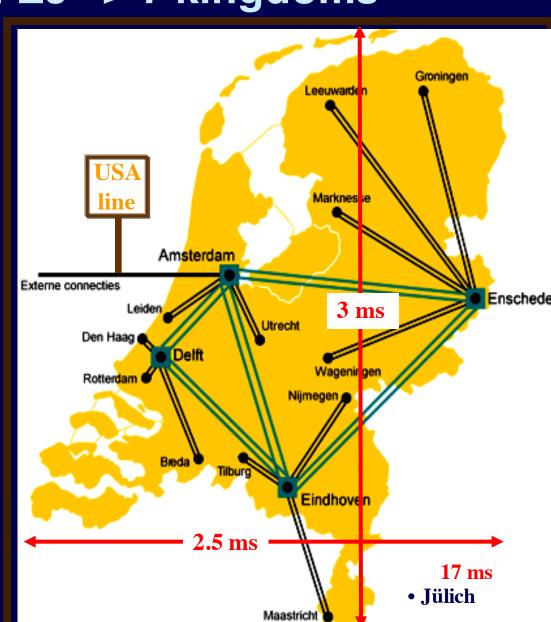


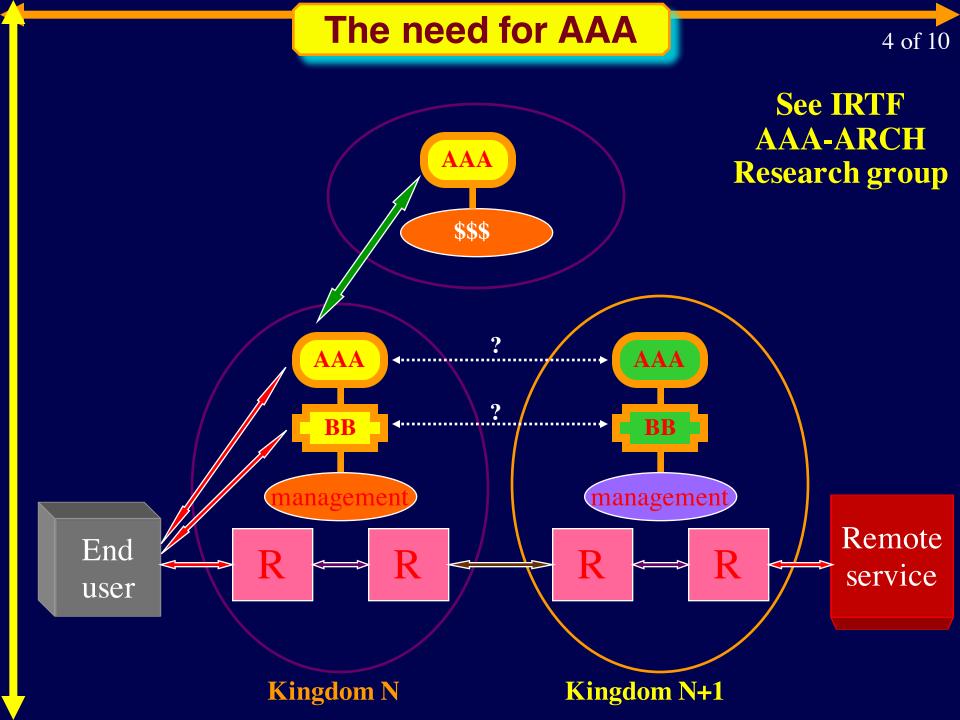
Utrecht University

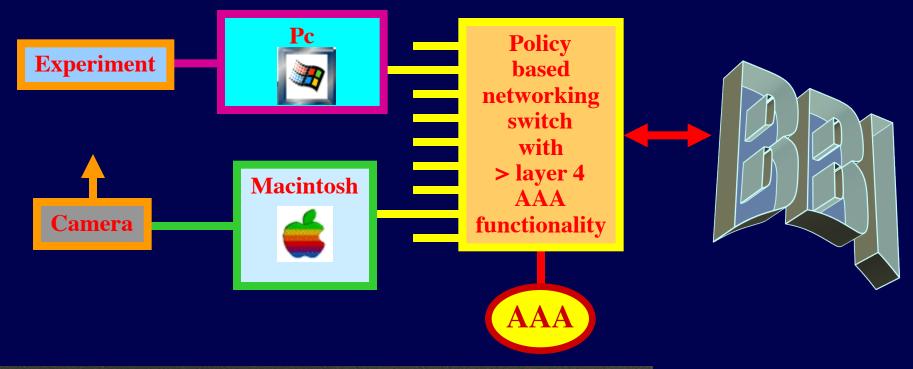
This space is intentionally left blank

Physics-UU to IPP-FZJ => 7 kingdoms

- -Netherlands
 - »Physics dept
 - »Campus net
 - »SURFnet
- –Europe
 - **»TEN 155**
- –Germany
 - »WINS/DFN
 - »Juelich, Campus
 - »Plasma Physics dept

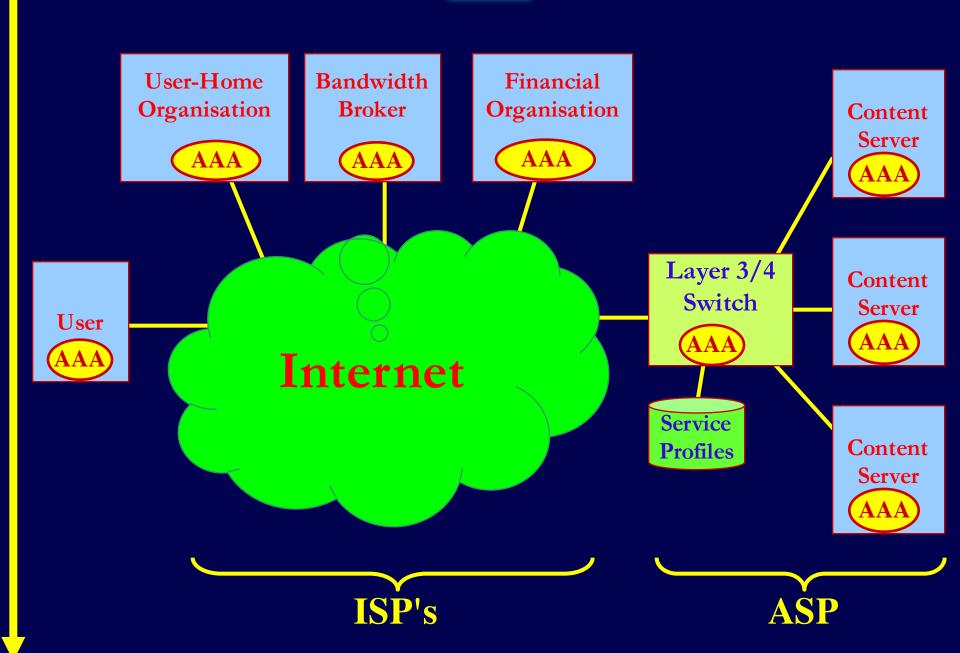












Content

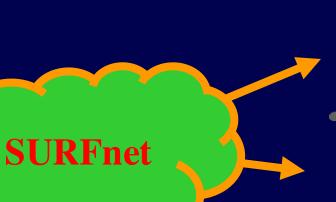
Portals Brokers **Customers**

University

Hogeschool

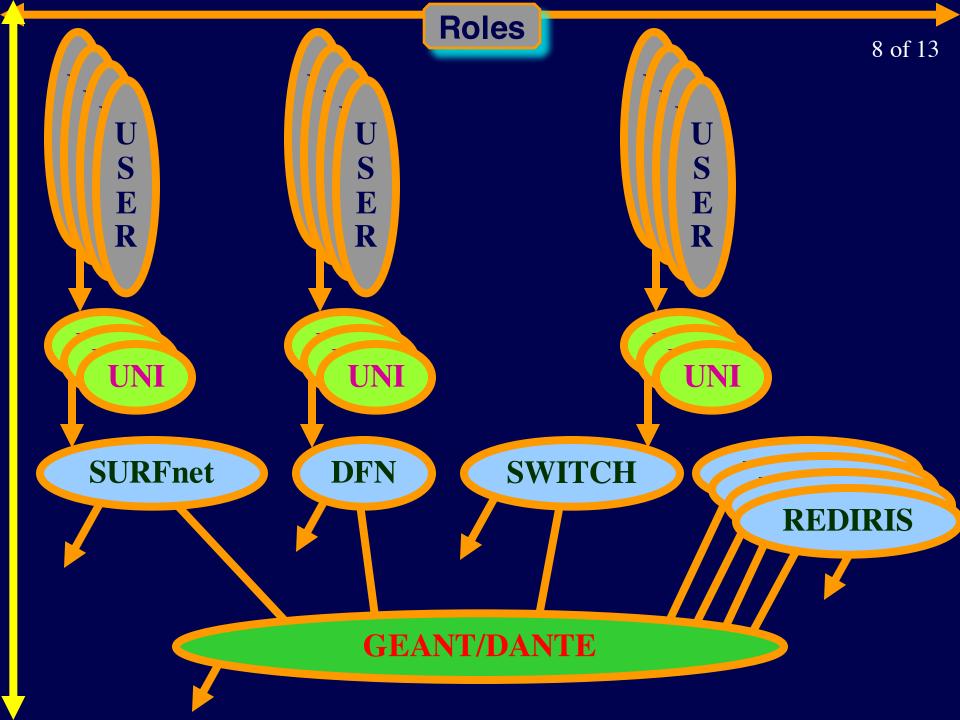
Library

> NOB

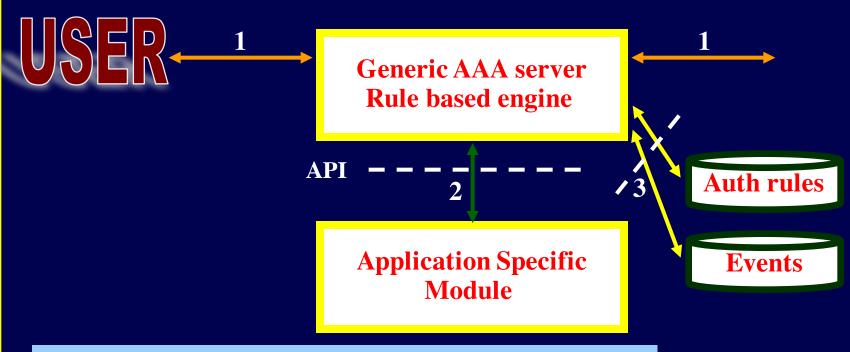








Rule example: $Auth_A = (B>9)$.or. C .and. D

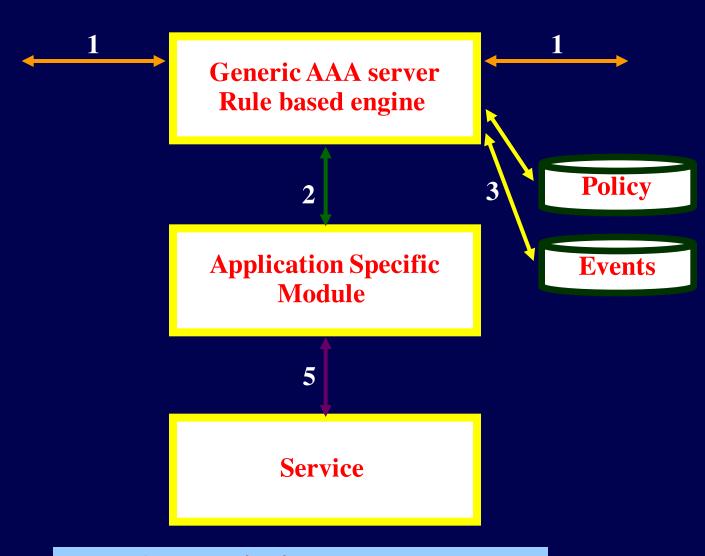


Types of communication:

1: "The" AAA protocol

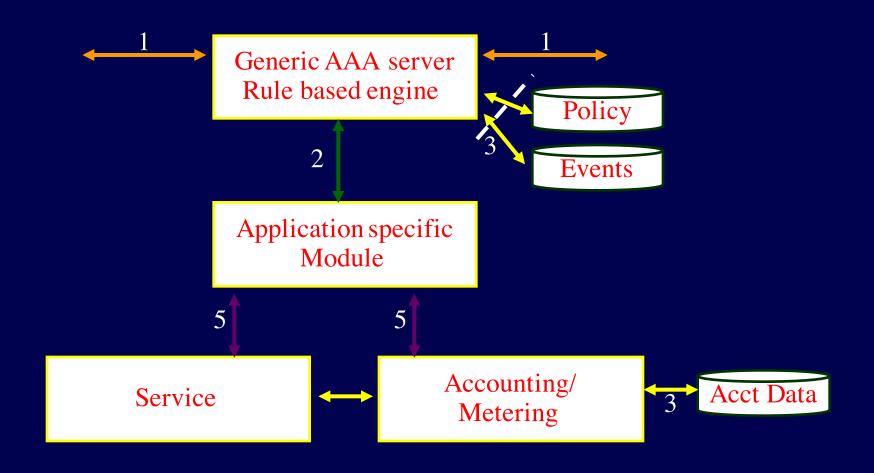
2: interface (API) to app specific module (addressing!)

3: interface (API or connection) to repositories (e.g. LDAP)

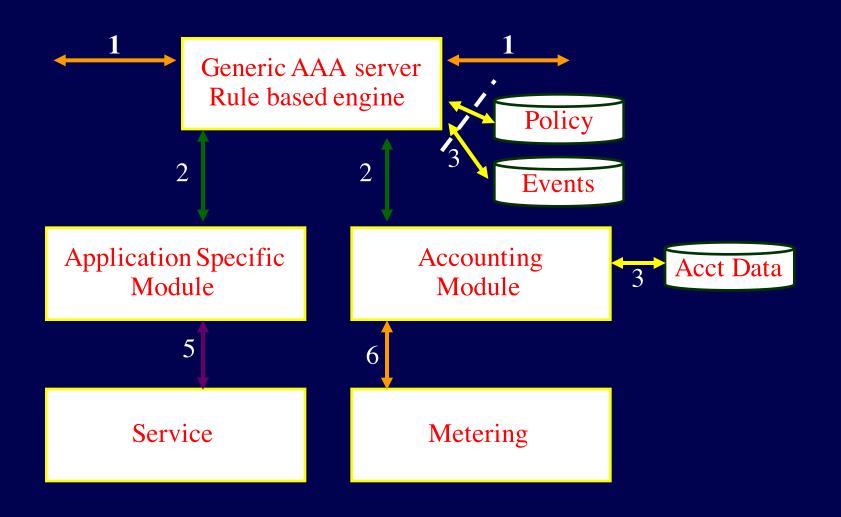


Types of communication:

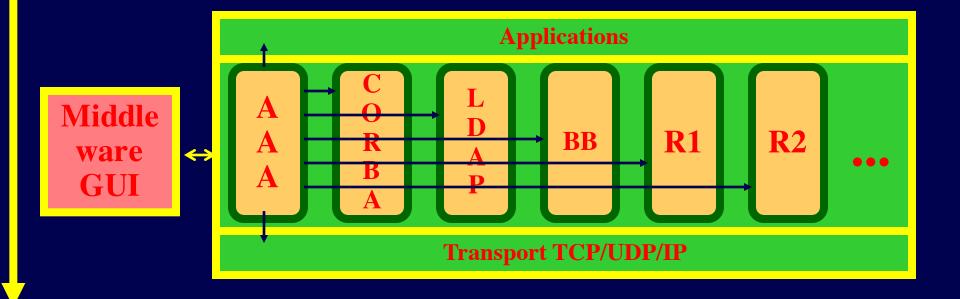
5: Towards service (f.e. COPS, CLI, SNMPv3)

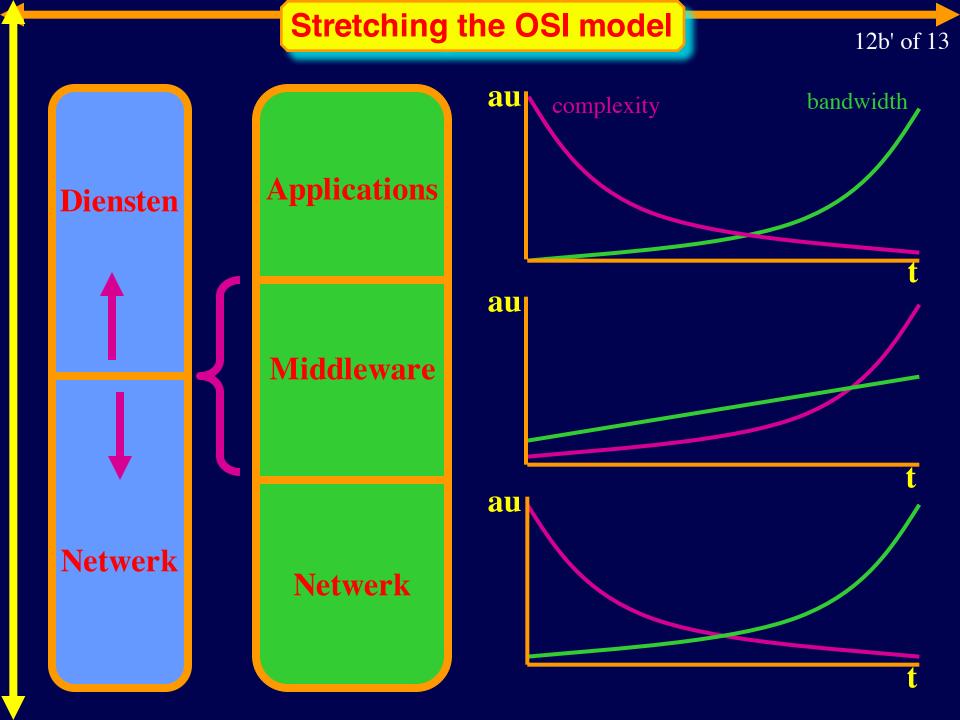


AAA Server with Accounting as Separate Service



- Resource discovery <-> AAA discovery
- Is AAA high or low in middleware?
- All A's together or not?
- Should AAA be visible in the app or only stay in middleware and this way solve its user interface problem





Specific goals of the RG are:

- develop generic AAA model by specifically including Authentication and Accounting
- develop audibility framework specification that allows the AAA system functions to be checked in a multiorganization environment
- develop a model that supports management of a "mesh" of interconnected AAA Servers
- define distributed policy framework, coordinate with policy framework WG and others
- develop an accounting model that allows authorization to define the type of accounting processing required for each session

Specific goals of the RG are:

- implement a simulation model that allows experimentation with the the proposed architectural models (also work on an emulation)
- describe interdomain issues using generic model
- work with AAA WG to align short term AAA protocol requirements with long term requirements as much as possible
- complete the work in Q4 2000 (ambitious)
- RFC 2903 2907 !!!!



- Research Group Name: AAAARCH RG
- Chair(s)
 - John Vollbrecht -- jrv@merit.edu
 - Cees de Laat-- delaat@phys.uu.nl
- Web page
 - www.irtf.org
 - www.phys.uu.nl/~wwwfi/aaaarch
- Mailing list(s)
 - aaaarch@fokus.gmd.de
 - For subscription to the mailing list, send e-mail to majordomo@fokus.gmd.de with content of message subscribe aaaarch end
 - will be archived, retrieval with frames and in plain ascii:
 - » http://www.fokus.gmd.de/glone/research/aaaarch/
 - » http://www.fokus.gmd.de/glone/research/mail-archive/aaaarch-current
 - » ftp://ftp.fokus.gmd.de/pub/glone/mail-archive/aaaarch-current

- Use European research net as testbed for AAA
- VLL type of service
- Top-down
 - Application
 - Middleware AAA
 - BB
 - Policy push
 - Diffserv
- Focus on techniques and products
- Concentrate on
- Authentication, aggregation
- Authorisation
- SLA policy metering verification
- Simulation/emulation