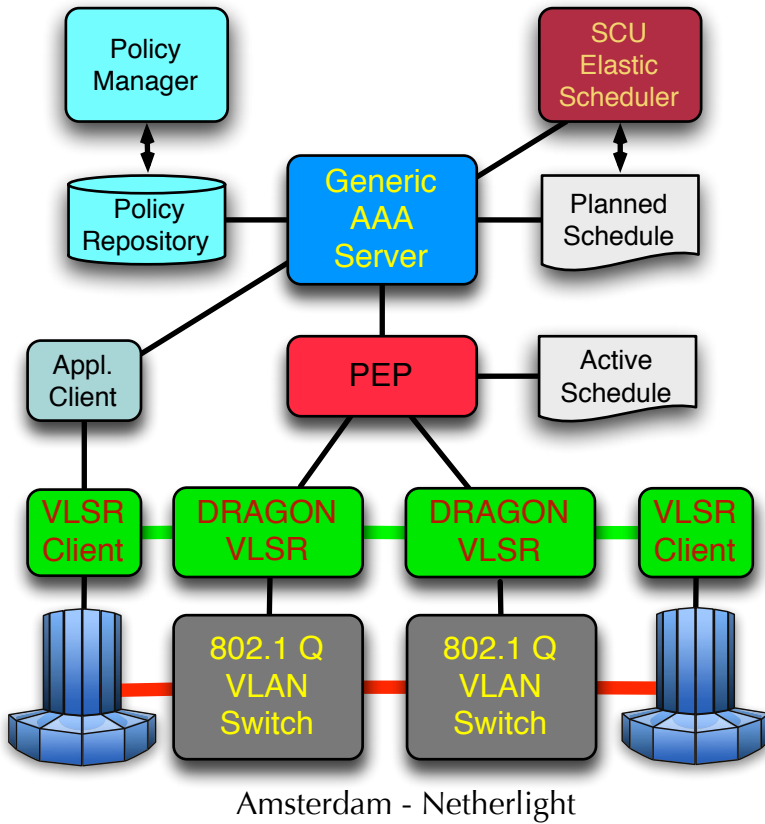


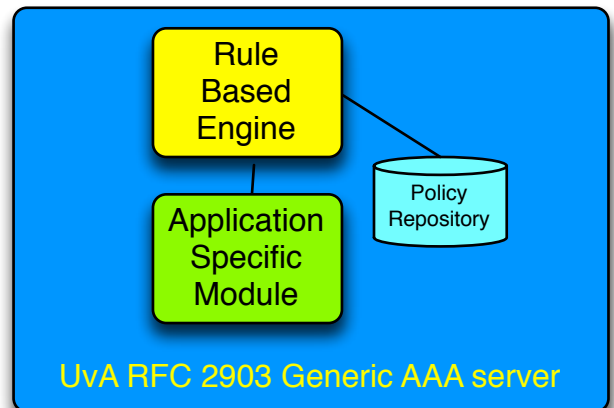
Token-based GMPLS

Path Authorization and Resource Management by extending RSVP-TE with Tokens

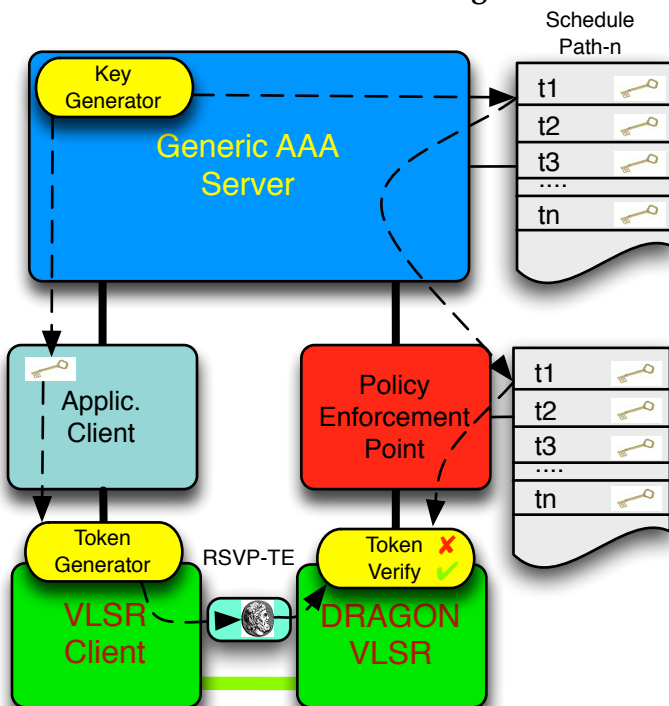


Tokens will allow:

- Separation of complex authorization processes from the actual use of the network.
- Decisions within the network at near real-time, providing access to a pre-provisioned network behavior.
- Binding to many different types of attributes: user, time, resource, etc.
- A Policy Decision to be abstracted from the Policy Enforcement Point (PEP).



Token Generation and recognition



Tokens inside RSVP control packets:

- Are carried in a standards based way as a POLICY_DATA object (RFC 2750) and used as an extension to RSVP-TE
- Are bound to a schedule.
- Can be recognized at multiple places.
- Can be counted for accounting.
- Can be forwarded by non token aware, Policy Ignorant Nodes.

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