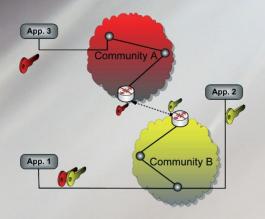
Automatic Lightpath Provisioning for Authorised Applications with TBN



generalised TBN (gTBN) - basic functionalities

Application-specific services over heterogeneous networks:

- Resource reservation
- Dynamic resource provisioning for applications
- Need to support legacy applications

Orchestration between different parties:

- AAA infrastructure for coordinated network resource provisioning
- Secure binding of applications to networks: gTBN
- Token-based traffic authentication and authorisation in hardware (NPU, FPGAs)
- Integration into multi-layer network access control infrastructures
- · Integration into workflow management and grid middle-ware

Binding applications to lightpaths: magic-carpet

