

# Moonshot in GN3+

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5<sup>th</sup> PaNdata & CRISP Harmonisation Meeting

27 June 2013

- Complements the Janet Pilot
  - Run by Dr. John Chapman, JANET
- 2 year project to implement a Moonshot pilot to enhance the eduGAIN service
  - Investigate the peering requirements between different NREN Trust Router infrastructures
  - Prove interoperability between different NREN Trust Router and eduroam infrastructures
  - Establish a policy framework within eduGAIN for pilot Communities of Interest.
  - Implement non-web SSO for specific user-defined problems

# Who?



Janet (UK)

RENATER  
(FR)

NIIFI (HU)

SWITCH  
(CH)

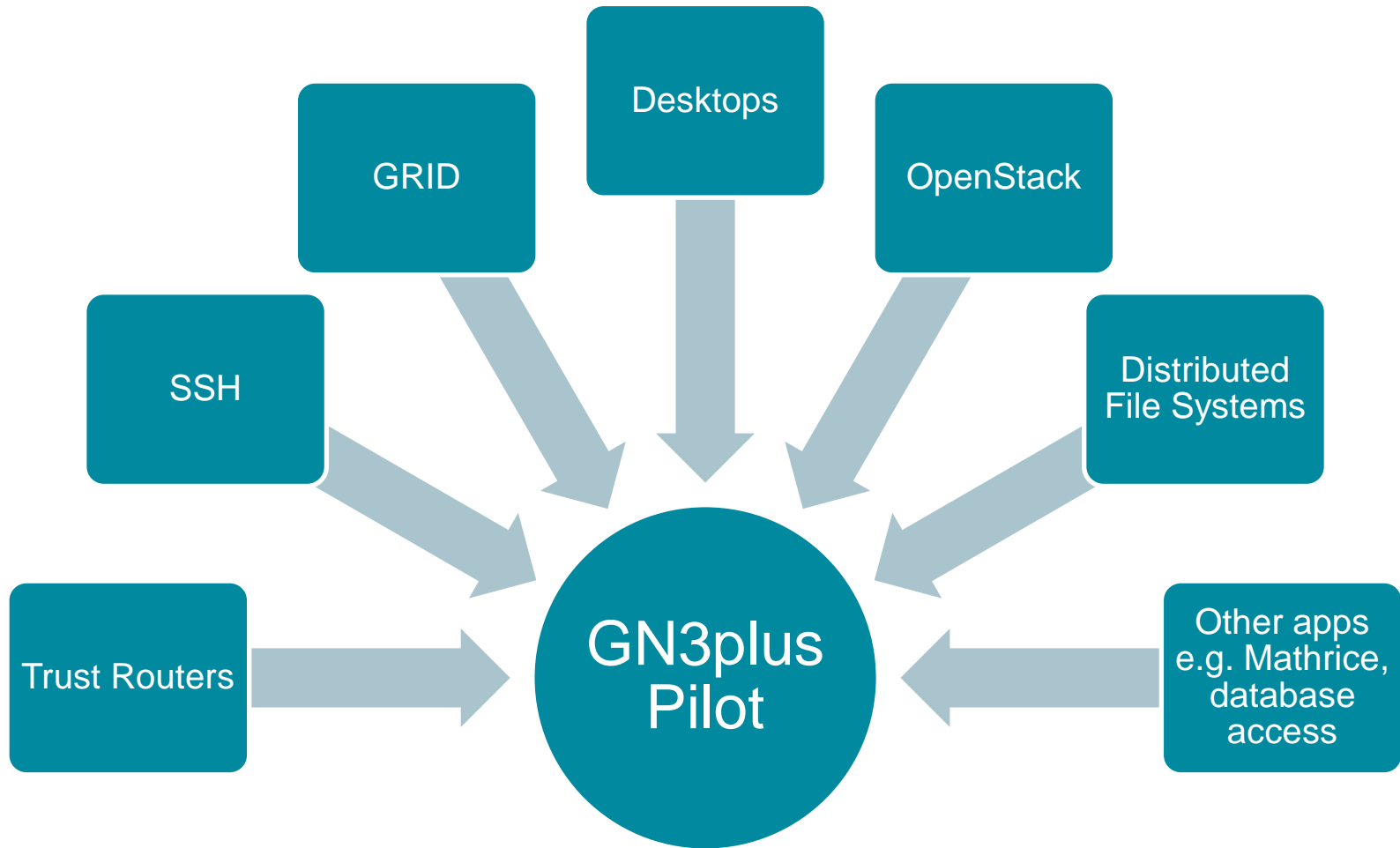
CARNet  
(HR)

CESNET  
(CZ)

CSC (FI)

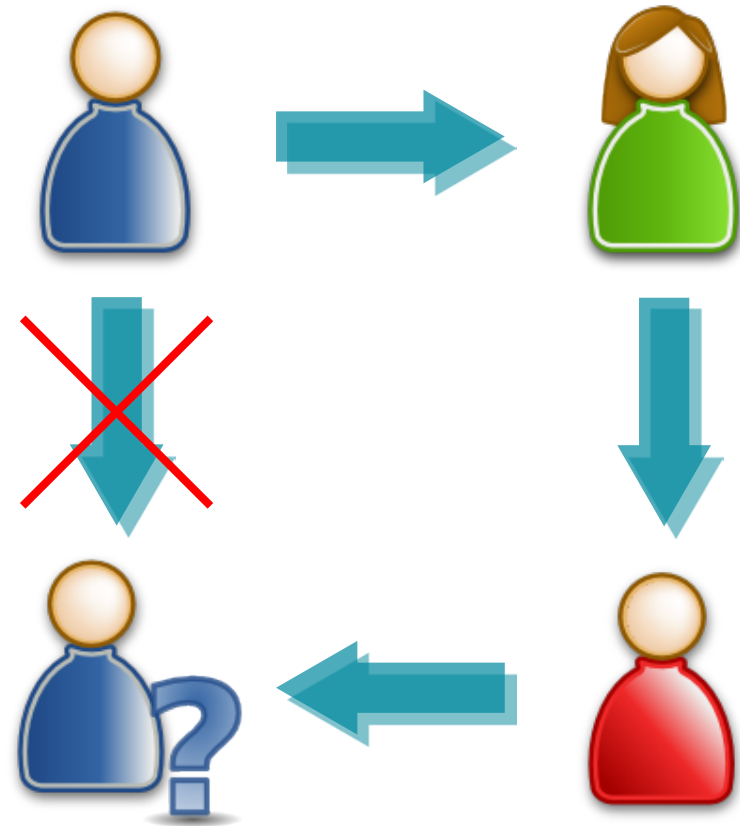
RedIRIS  
(ES)

# What?

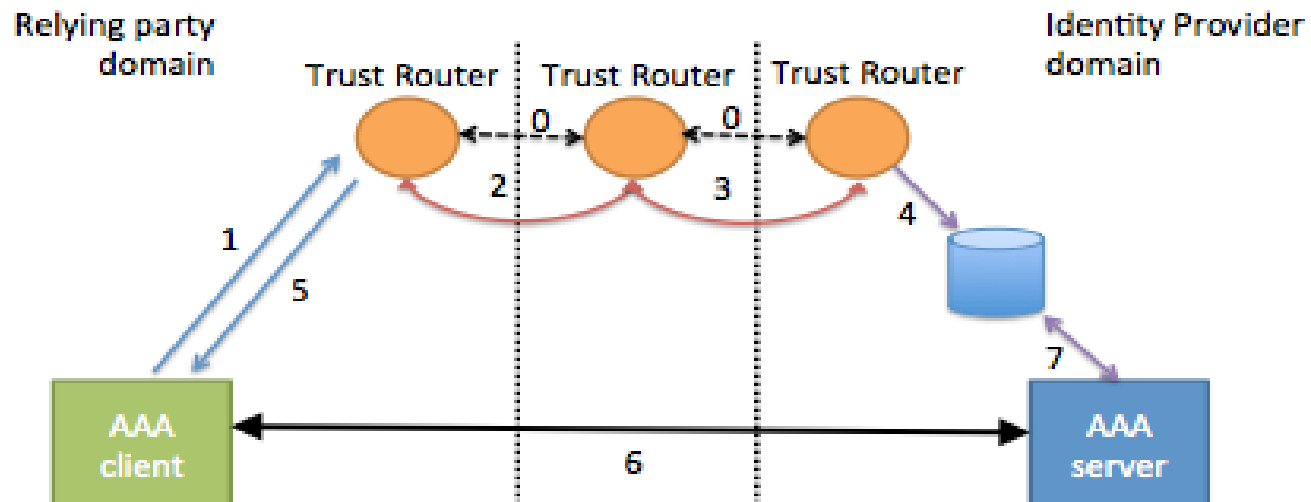


# How?

- Moonshot brings together a number of technologies:
  - GSS - a common interface between applications and services
  - RadSec - Secure AAA Transport
  - EAP - Protection for credentials
  - SAML - Rich identity information
- How can these technologies be scaled for use beyond a single institution?
  - The trust router uses the concept of a “Web of Trust” to find a trusted path to a resource.



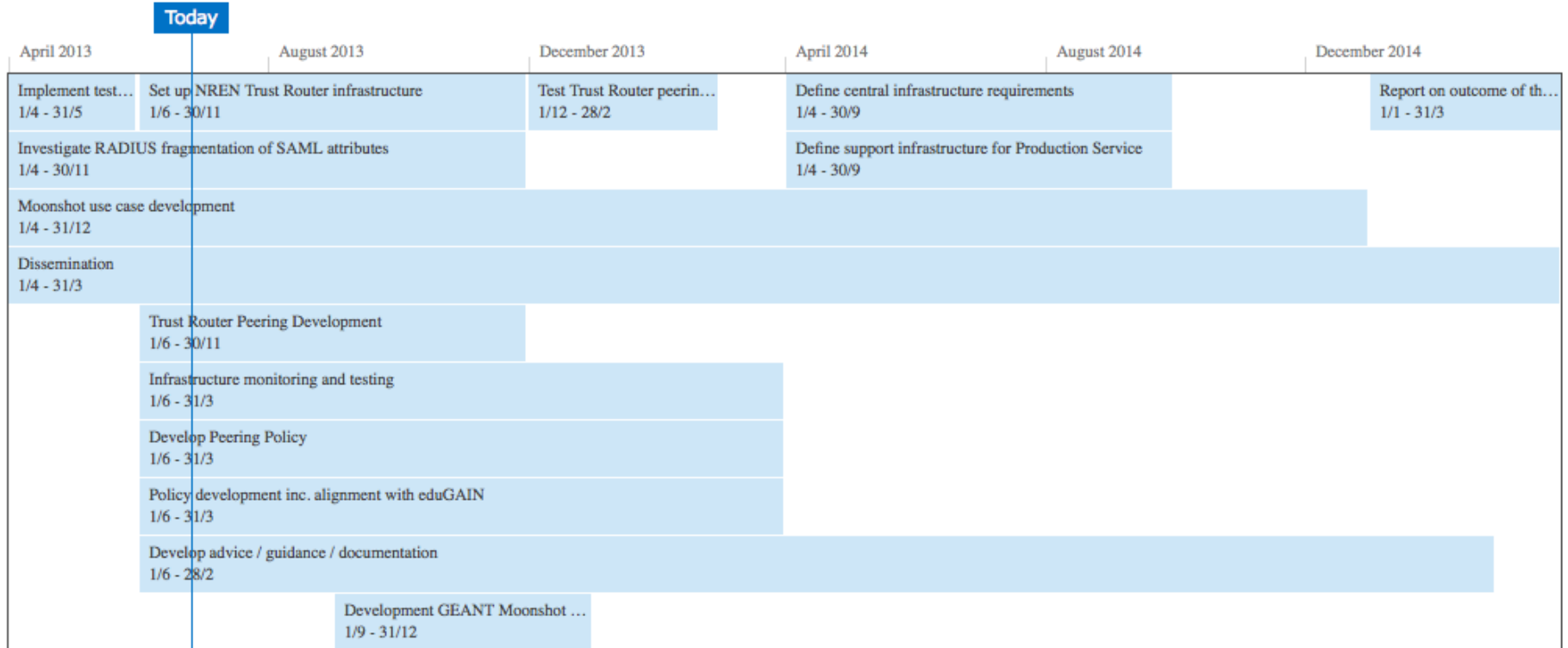
## Trust Path Query



- 0: Trust Router Protocol
- 1: Trust Path Query Request
- 2: Trust Path Traversal (first hop)
- 3: Trust Path Traversal (subsequent hop)

- 4: Temporary Identity Provisioned
- 5: Trust Path Query Response
- 6: AAA Authentication
- 7: Temporary Identity Look-up

## Moonshot Pilot Plan



- Moonshot Community website:
  - <https://community.ja.net/groups/moonshot>
  - <https://community.ja.net/groups/moonshot/wiki/start-here>
- Core software:
  - <https://community.ja.net/groups/moonshot/article/moonshot-pilot-release-1-dvd>
- Trust Router (Beta) software:
  - <http://www.project-moonshot.org/devwiki//trustrouterinfo/>
- Standards:
  - <https://tools.ietf.org/wg/abfab>
  - <https://www.ietf.org/mailman/listinfo/trust-router> (Trust Router Protocol)



- Mailing list (admin & management):
  - <https://mail.geant.net/mailman/listinfo/moonshot>
  - [moonshot@geant.net](mailto:moonshot@geant.net)
- Mailing list (technical queries) Community Support mailing list at
  - <https://www.jiscmail.ac.uk/cgi-bin/webadmin?A0=MOONSHOT-COMMUNITY>

# Questions?



Connect | Communicate | Collaborate

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