

Connecting the Dots: Integrating RADIUS to Network Measurement and Monitoring

**TREX Workshop 2013
30th of October 2013**

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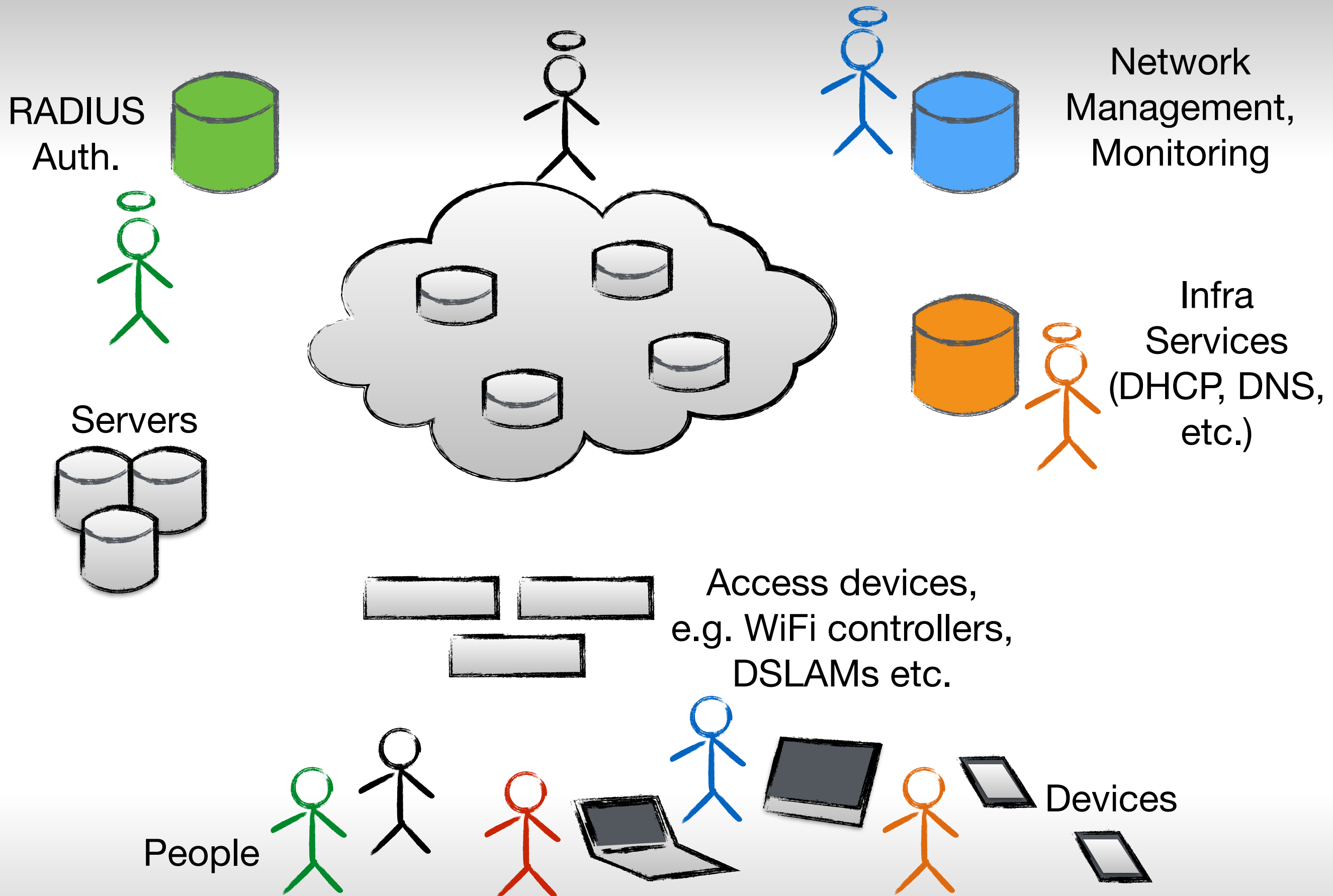
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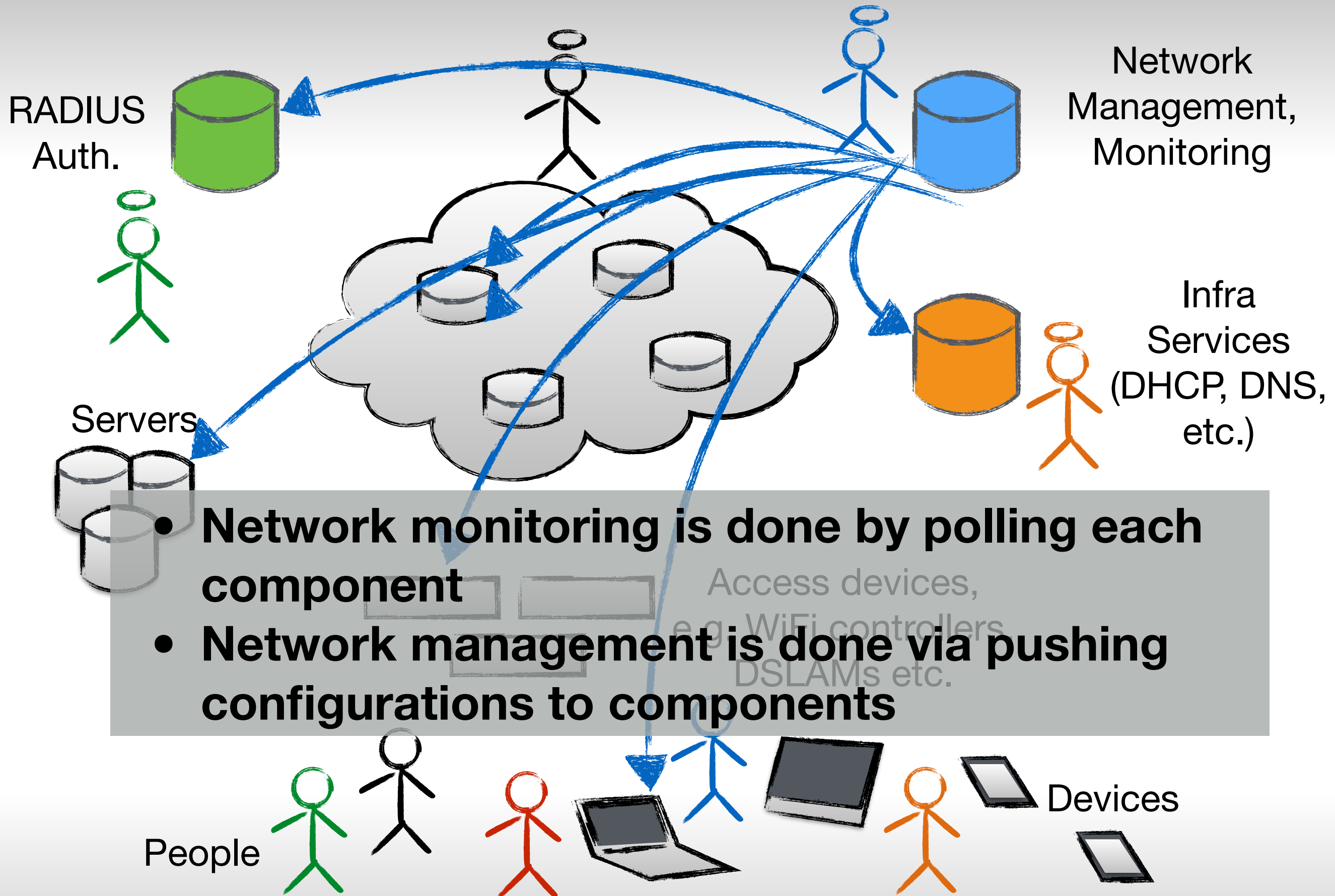
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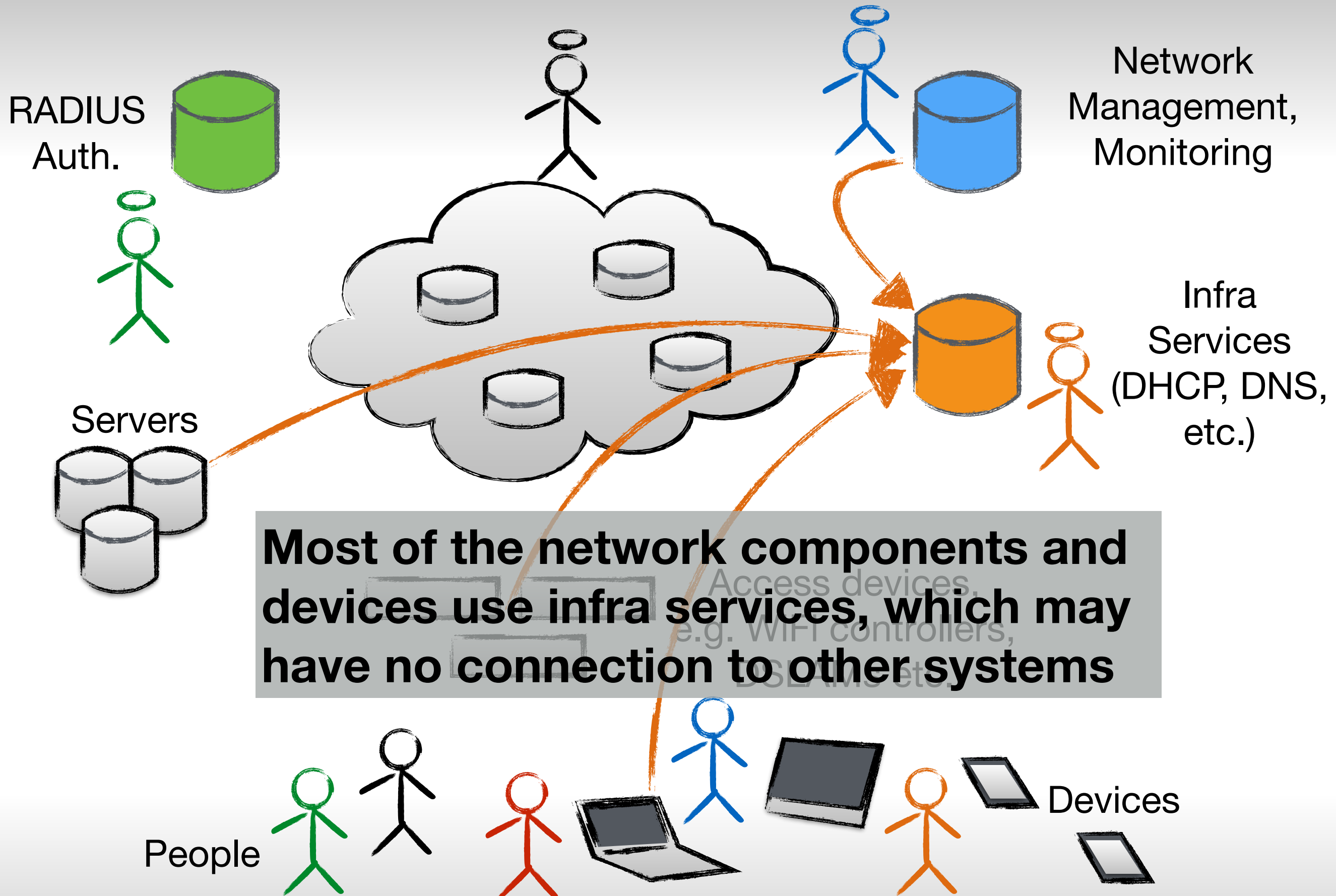


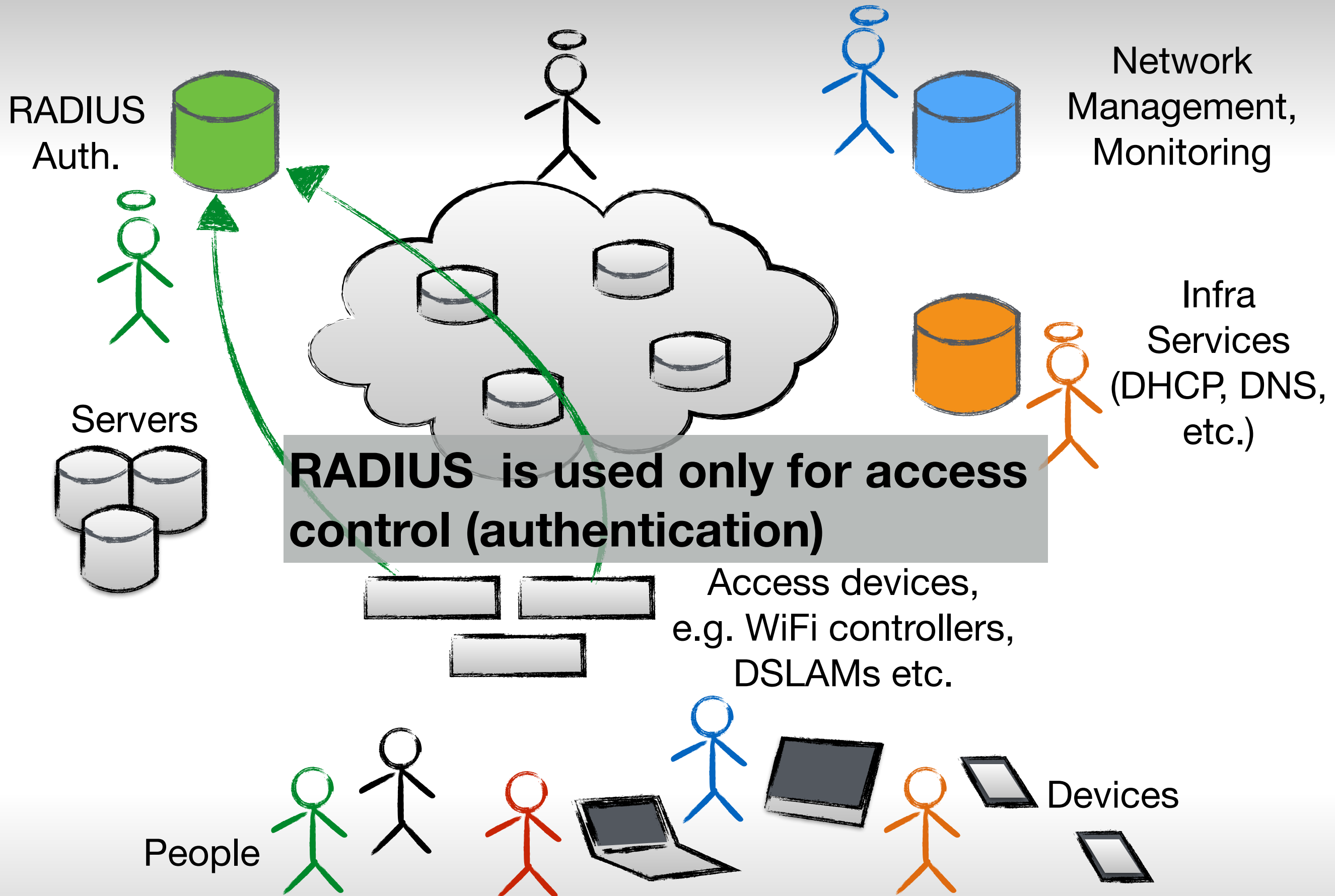
Since 1993

developed,
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**Finnish and Australian
engineers**









A diagram illustrating network architecture components. At the top left is a green circle labeled 'RADIUS Auth.' containing a green stick figure and a green database cylinder. At the top right is a blue circle labeled 'Network Management, Monitoring' containing a blue stick figure and a blue database cylinder. Below these is a large grey cloud labeled 'Servers' containing several grey database cylinders. To the right of the cloud is an orange circle labeled 'Infra Services' containing an orange stick figure and an orange database cylinder. Below the cloud is a grey rectangle labeled 'Access devices, e.g. WiFi controllers, DSLAMs etc.' containing several grey stick figures. At the bottom is a grey rectangle labeled 'People' containing several grey stick figures. The text 'Actual data about network (usage) is spread all around.' is overlaid on the diagram.

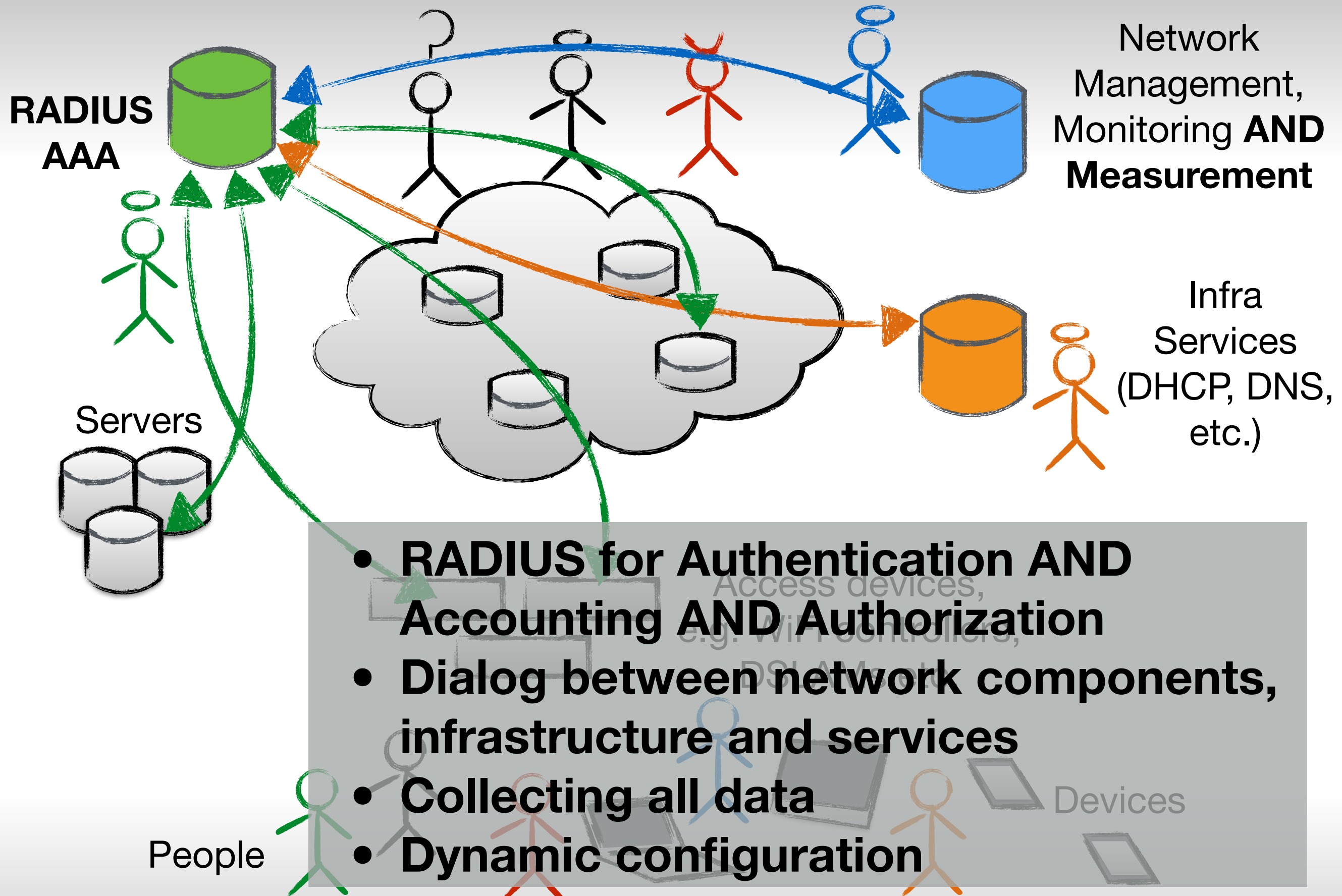
RADIUS
Auth.

Network
Management,
Monitoring

Infra
Services

- Actual data about network (usage) is spread all around.
- Some data may be lost as it is not collected from sources regularly.
- Combining data is limited to possibly some network availability data and mining logs.
- Administrative access to network equipment, servers etc. is not controlled by using access level and roles.

**So what can
RADIUS do?**



How?

Well... among others ...

- RADIUS authentication and accounting
- TACACS authentication, accounting and authorisation
- Radiator RADIUS server integration capabilities, additional dynamic modules
- AAA/IdM protocol translation (LDAP, SAML, etc.)
- RADIUS/TACACS proxying/roaming for federated authentication
- 802.1X access control and authorisation
- Various two-factor authentication solutions
- Did I mention Radiator RADIUS server is based on Perl?

More?

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