

Moonshot basics

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Moonshot CSC workshop
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- Moonshot background
- Moonshot base technologies
- Moonshot working principle
- SSH Demo

“Moonshot” is used to describe several things

- A collection of technologies that allow non-web identity federation
 - IETF standardization (almost?) complete
- The default software stack for this
 - GSS-EAP, GSS-API, RADIUS, EAP-TTLS, SAML, (Trustrouter)
- The actual Janet software implementation
 - GSS-EAP and moonshot UI

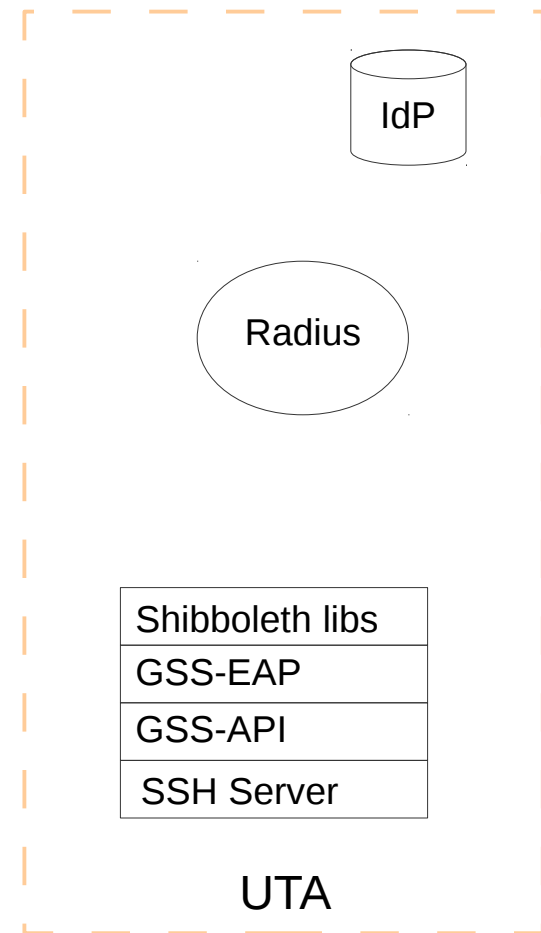
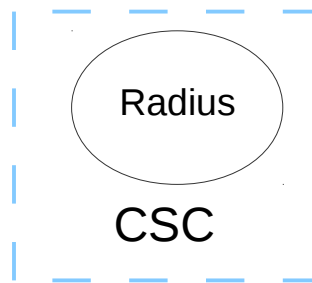
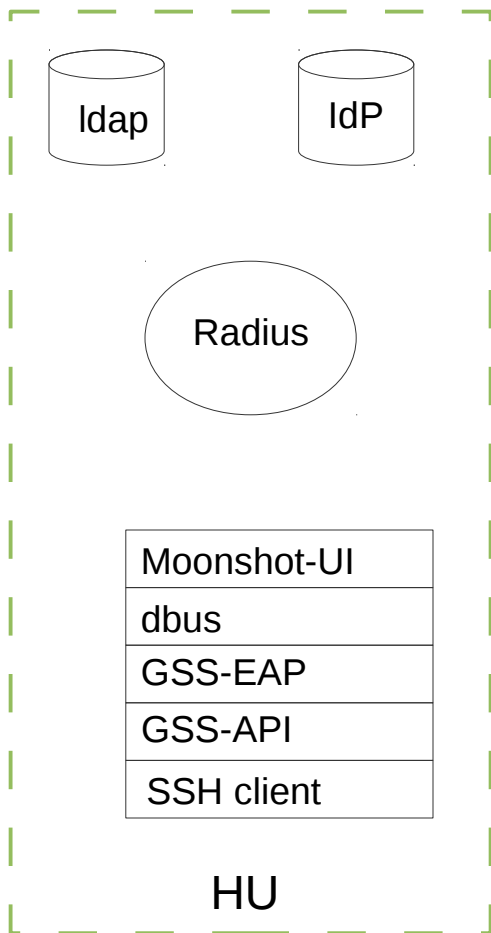
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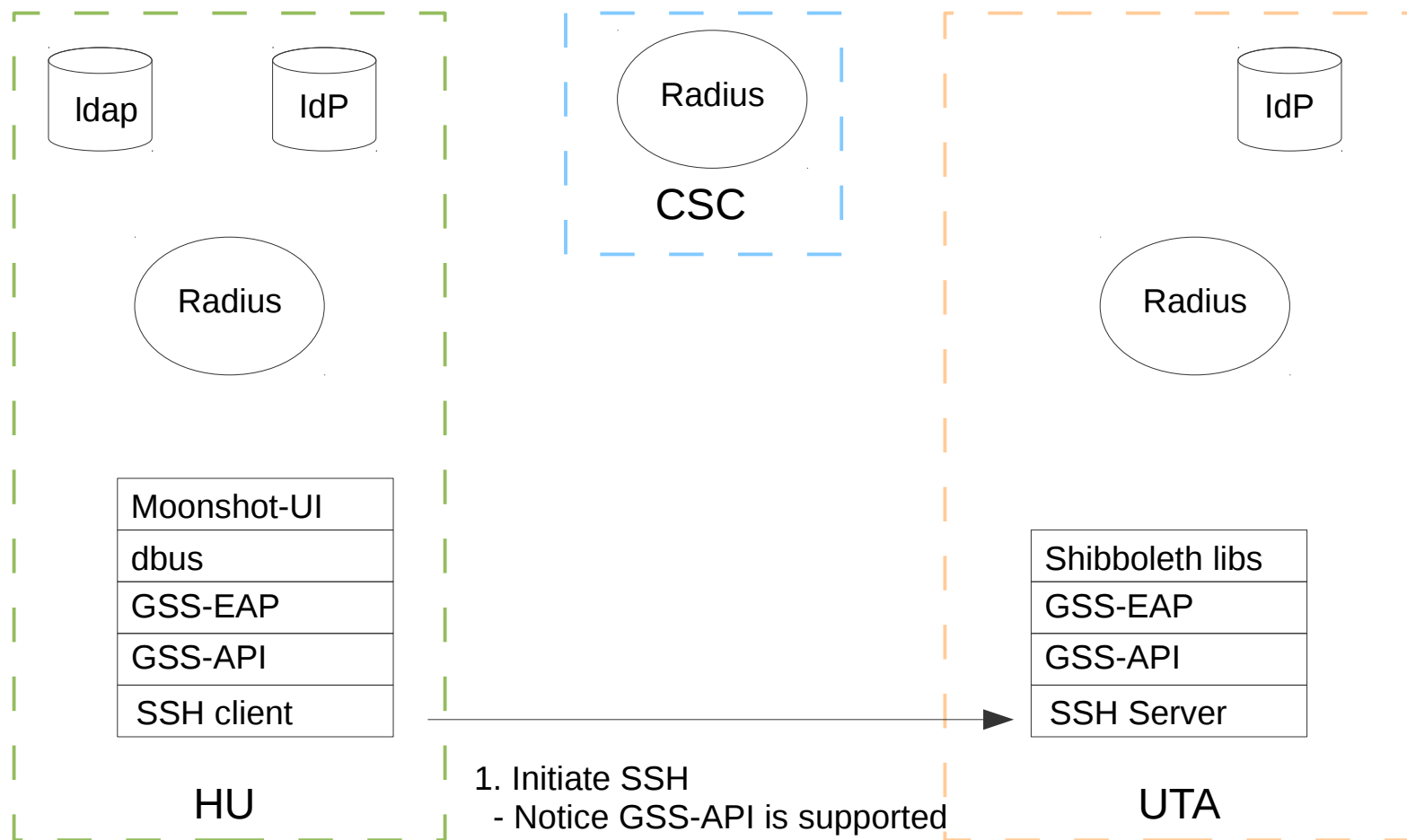
Builds on existing technologies

- Eduroam technologies for identity federation
 - Radius, EAP
 - In the future going to Trust Router model
- SAML for extra user info
 - Shibboleth IdP support at least
- Operating system security layers for software integration
 - GSS-API for *nix
 - SASL for operating system independent
 - SSPI for Windows
- GSS-EAP module is new code

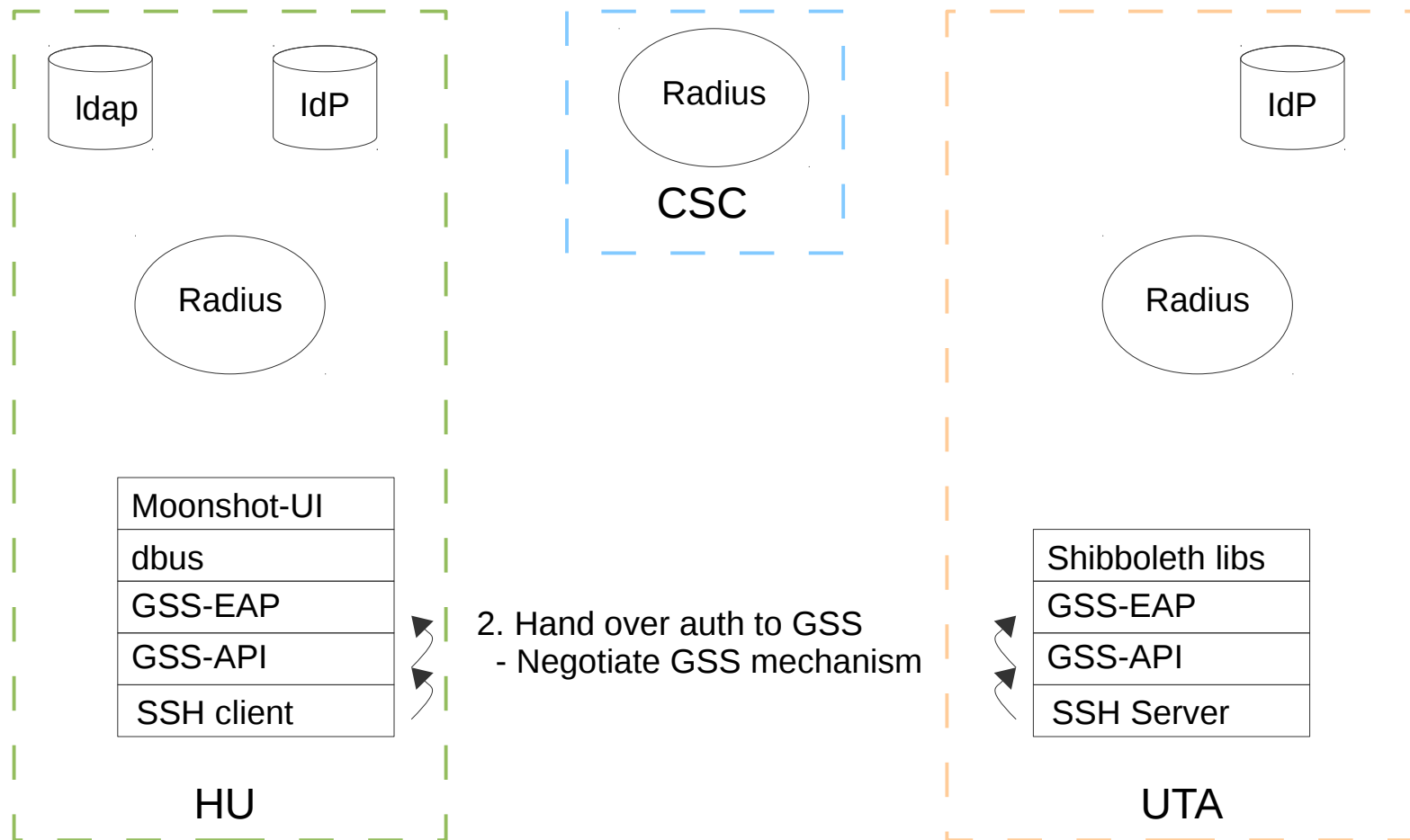
Example case



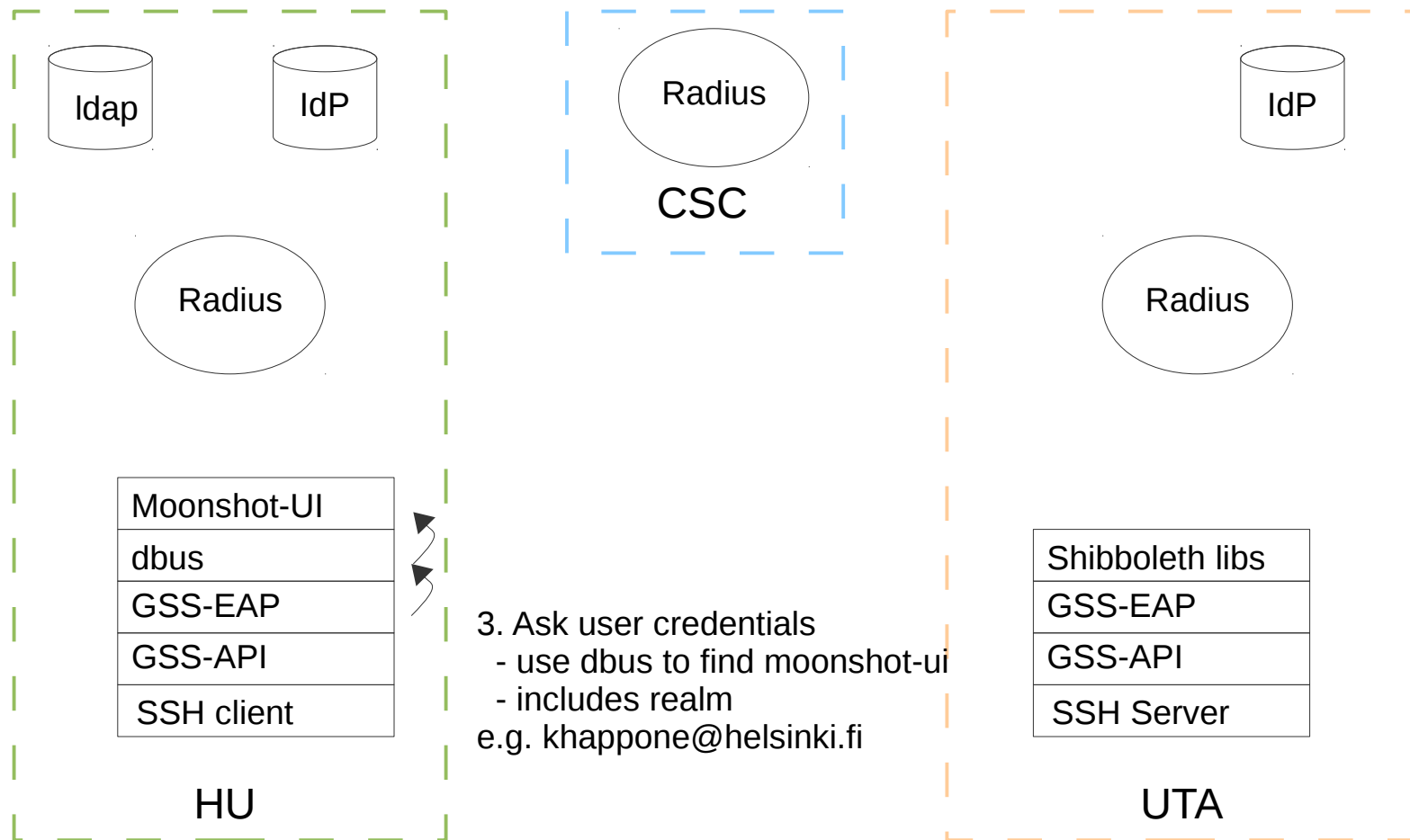
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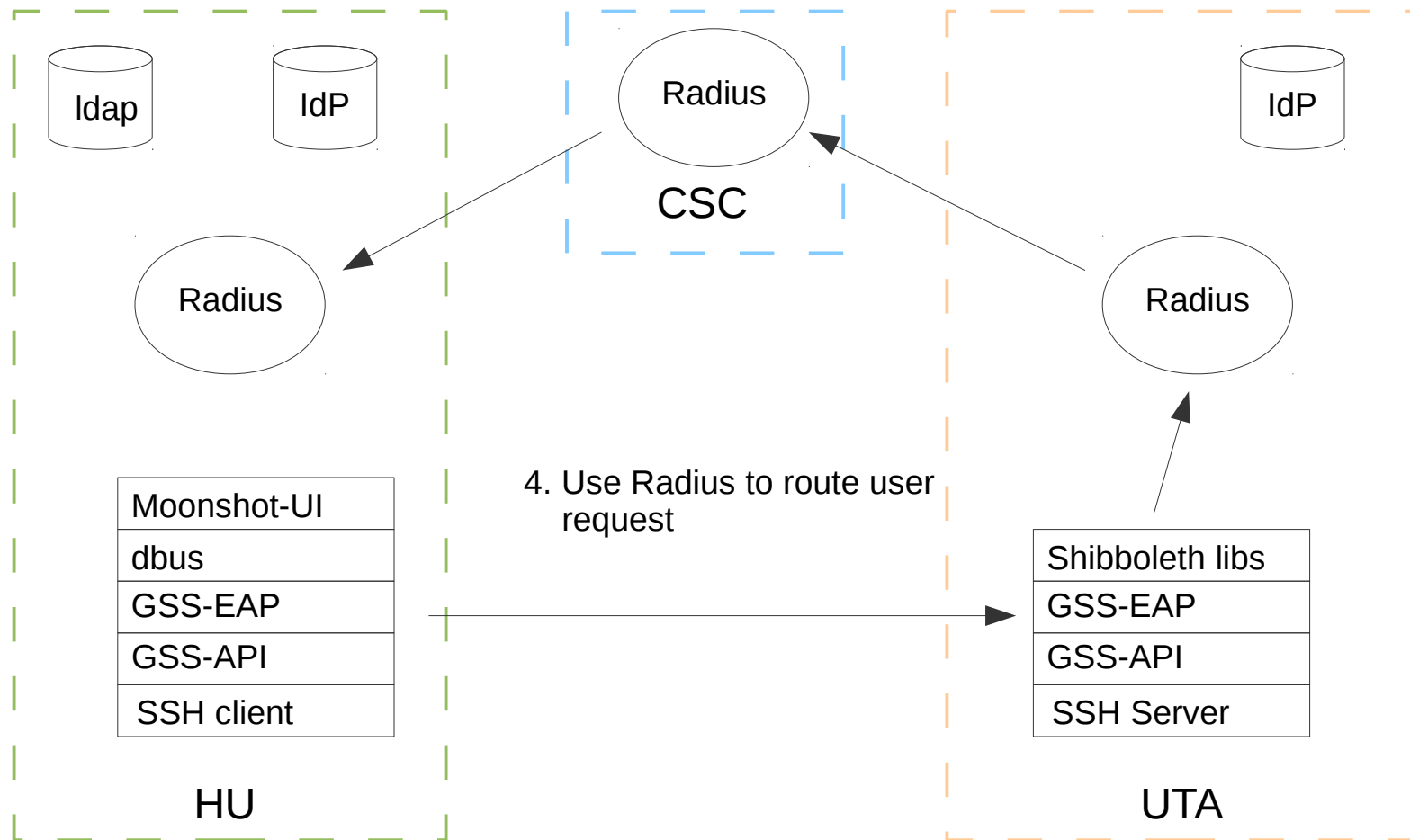
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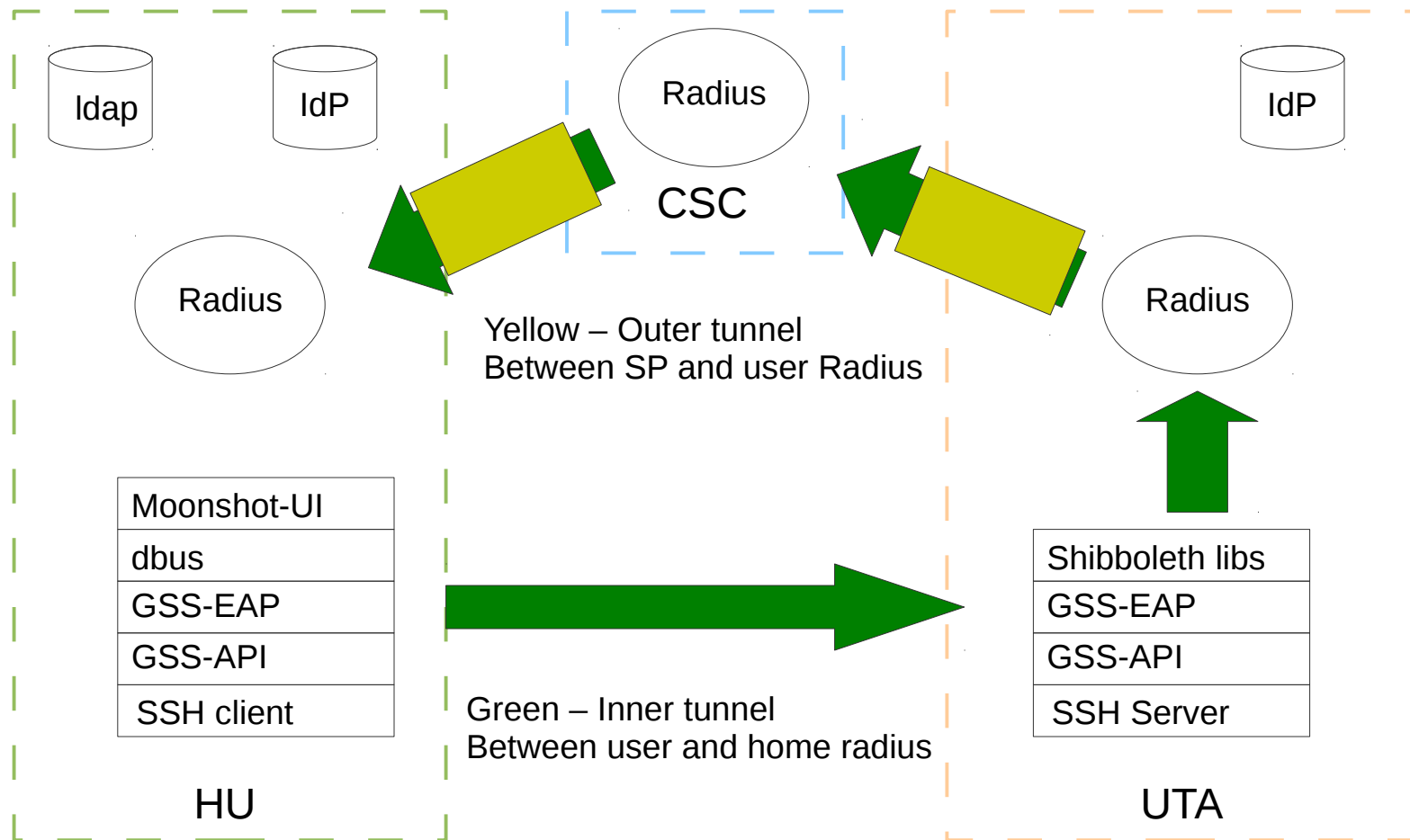
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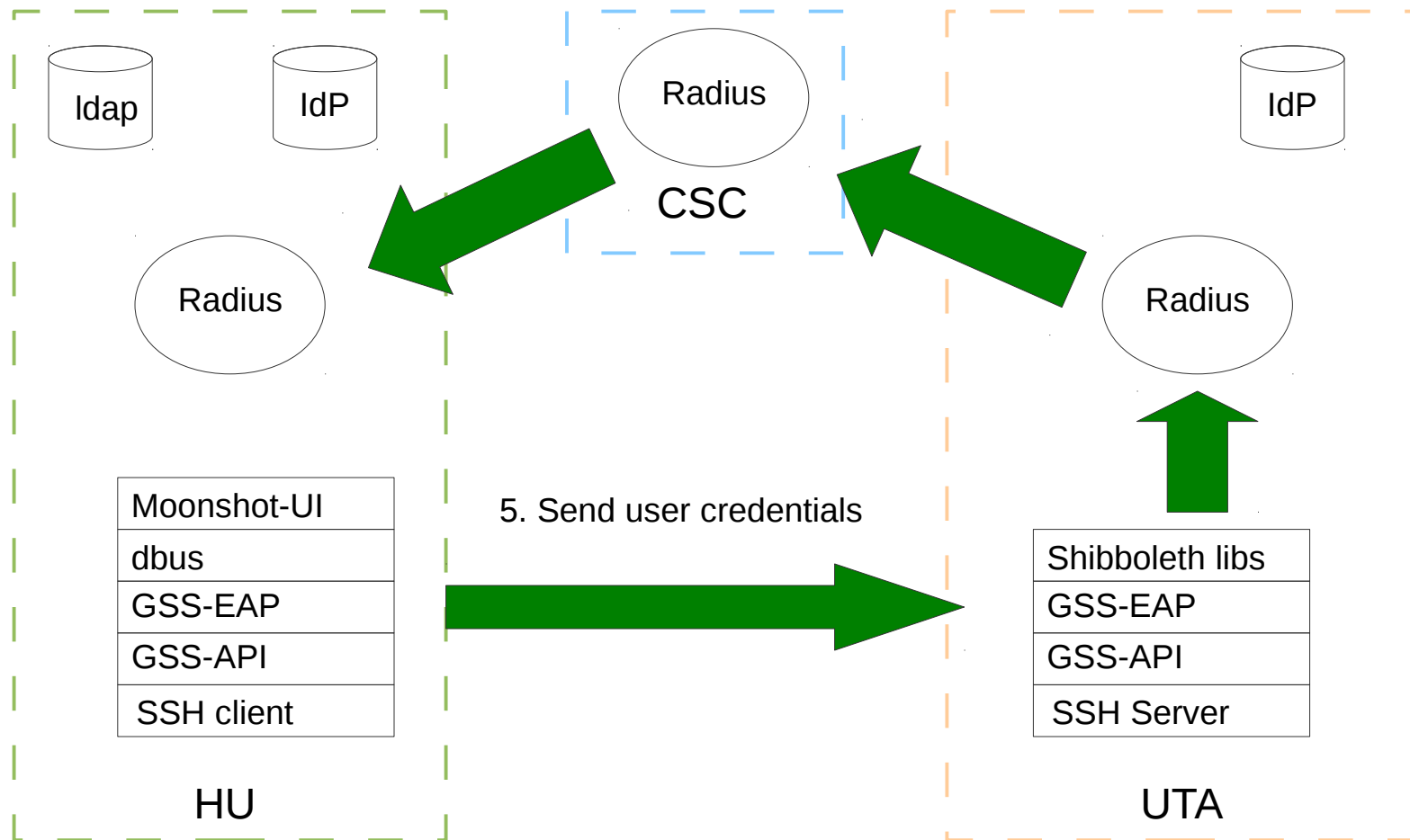
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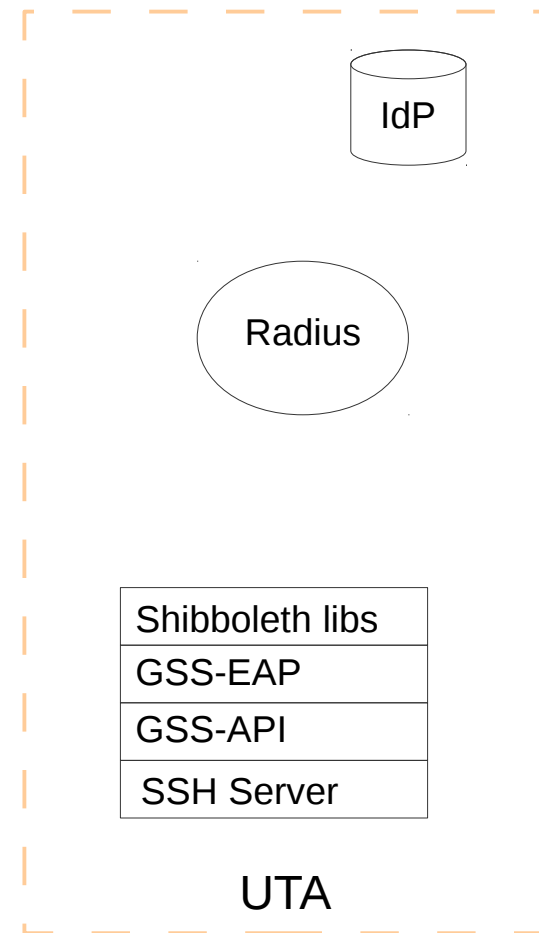
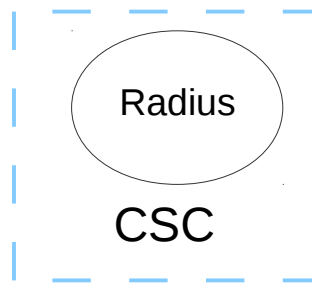
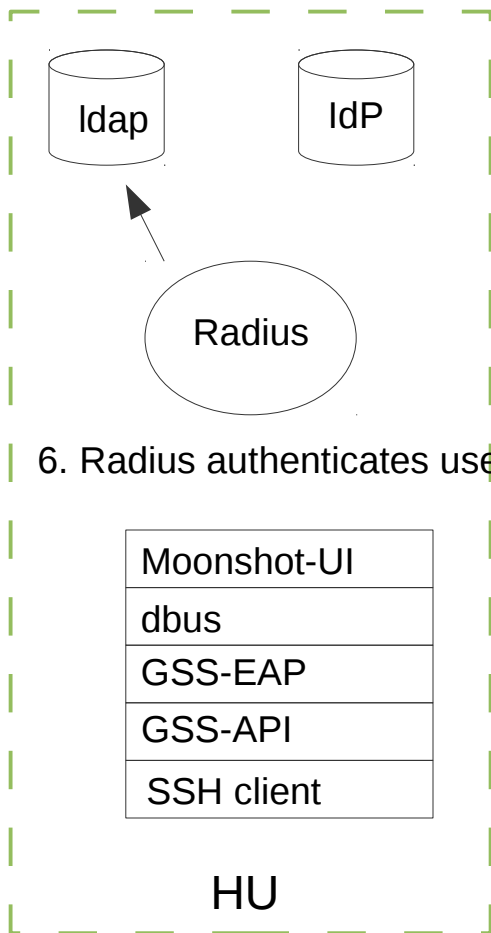
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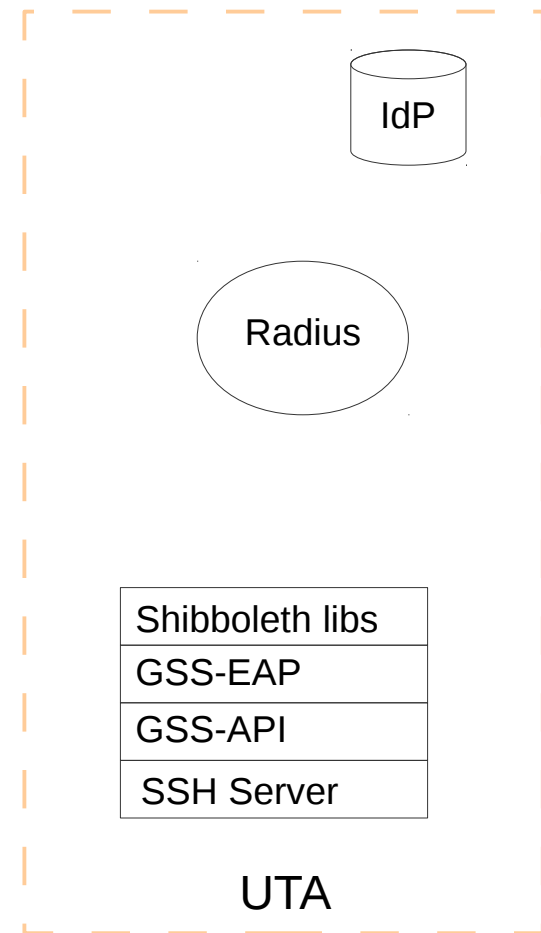
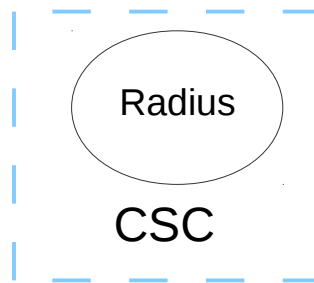
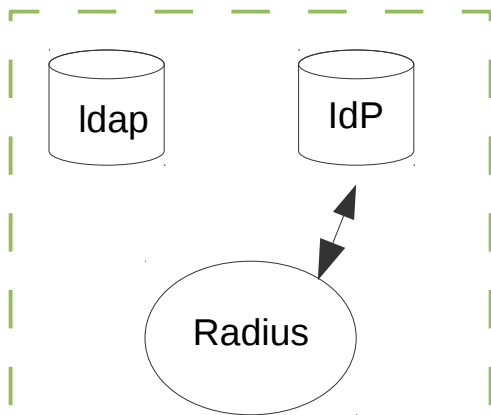
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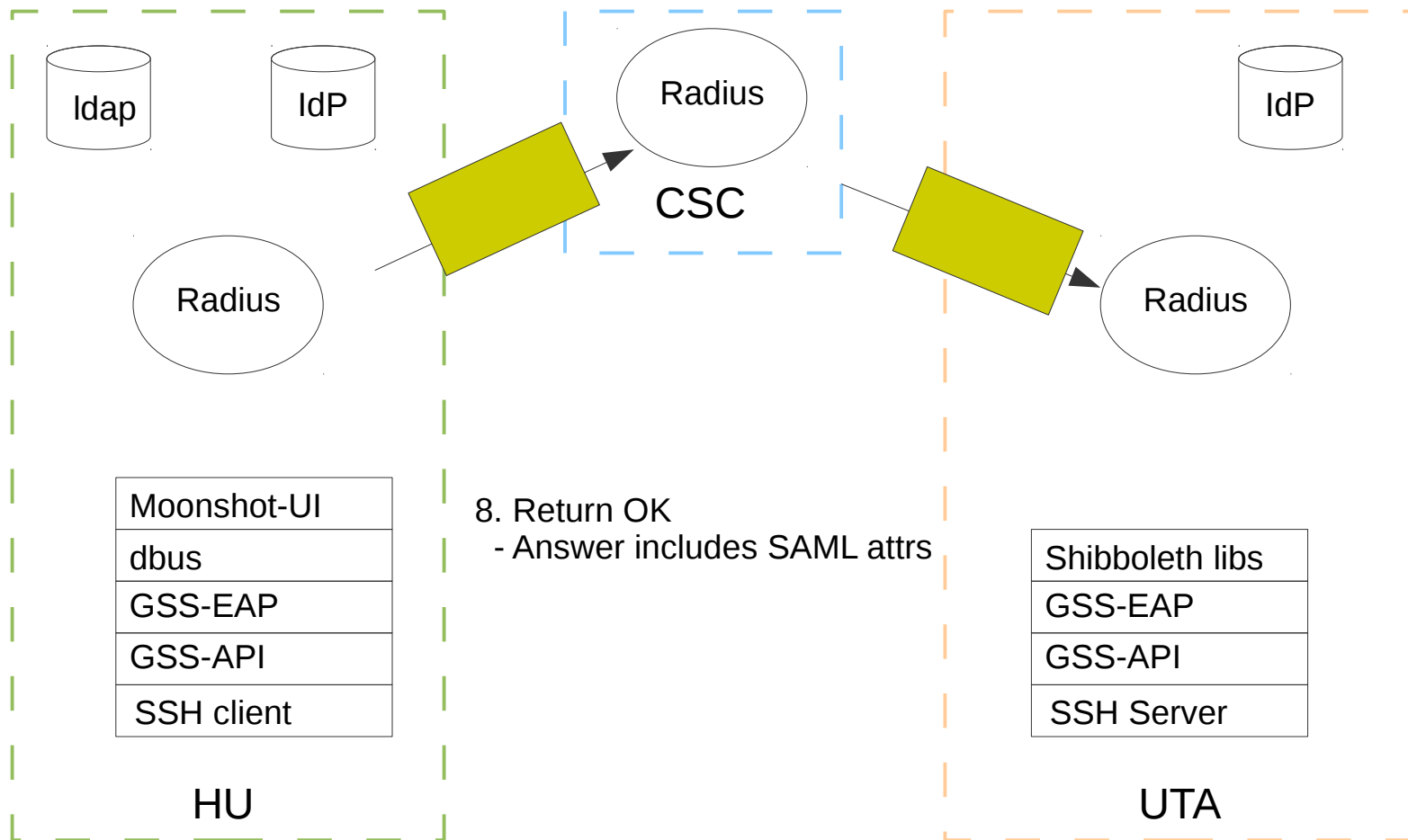


7. Get extra user attrs from SAML IdP

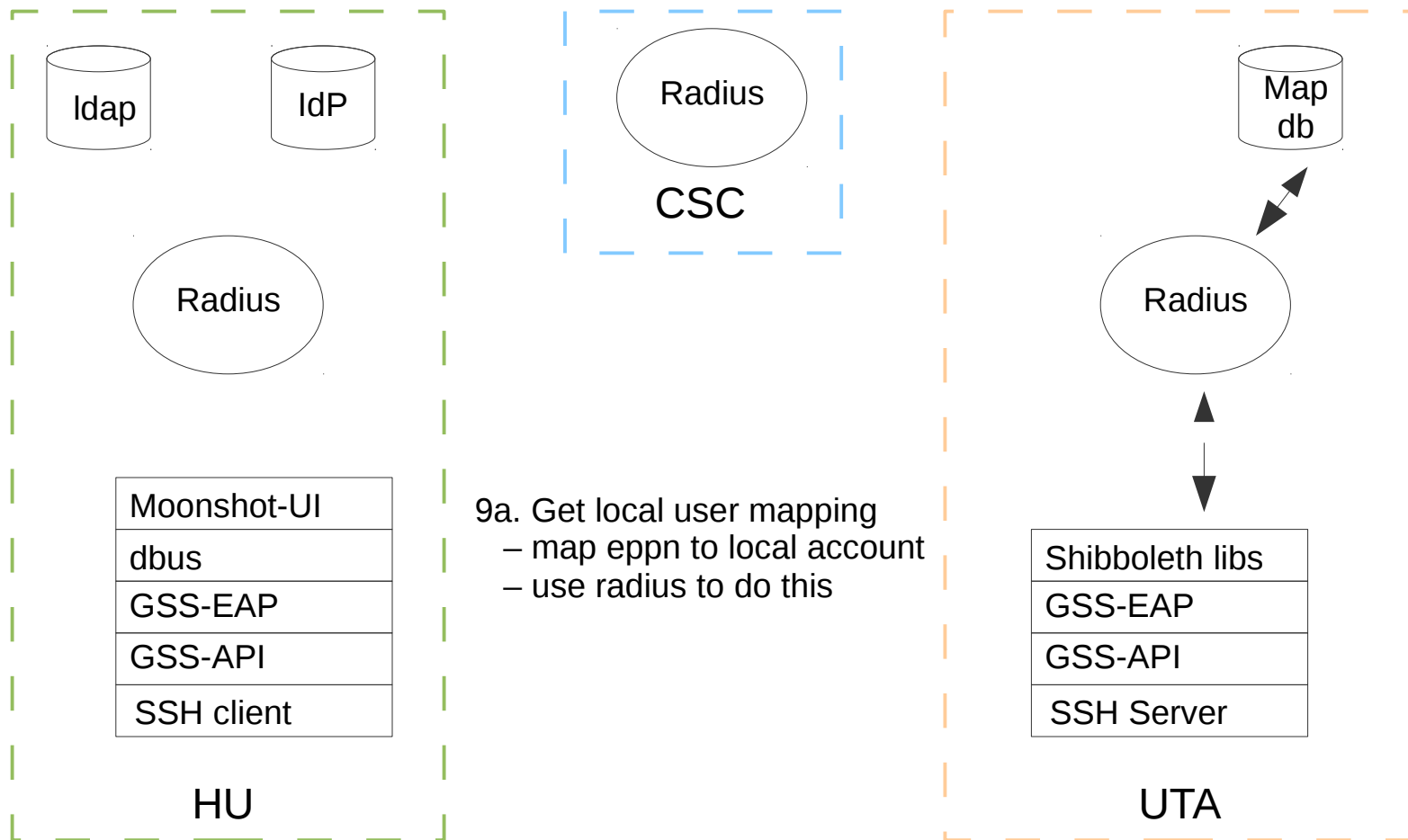
Moonshot-UI
dbus
GSS-EAP
GSS-API
SSH client

HU

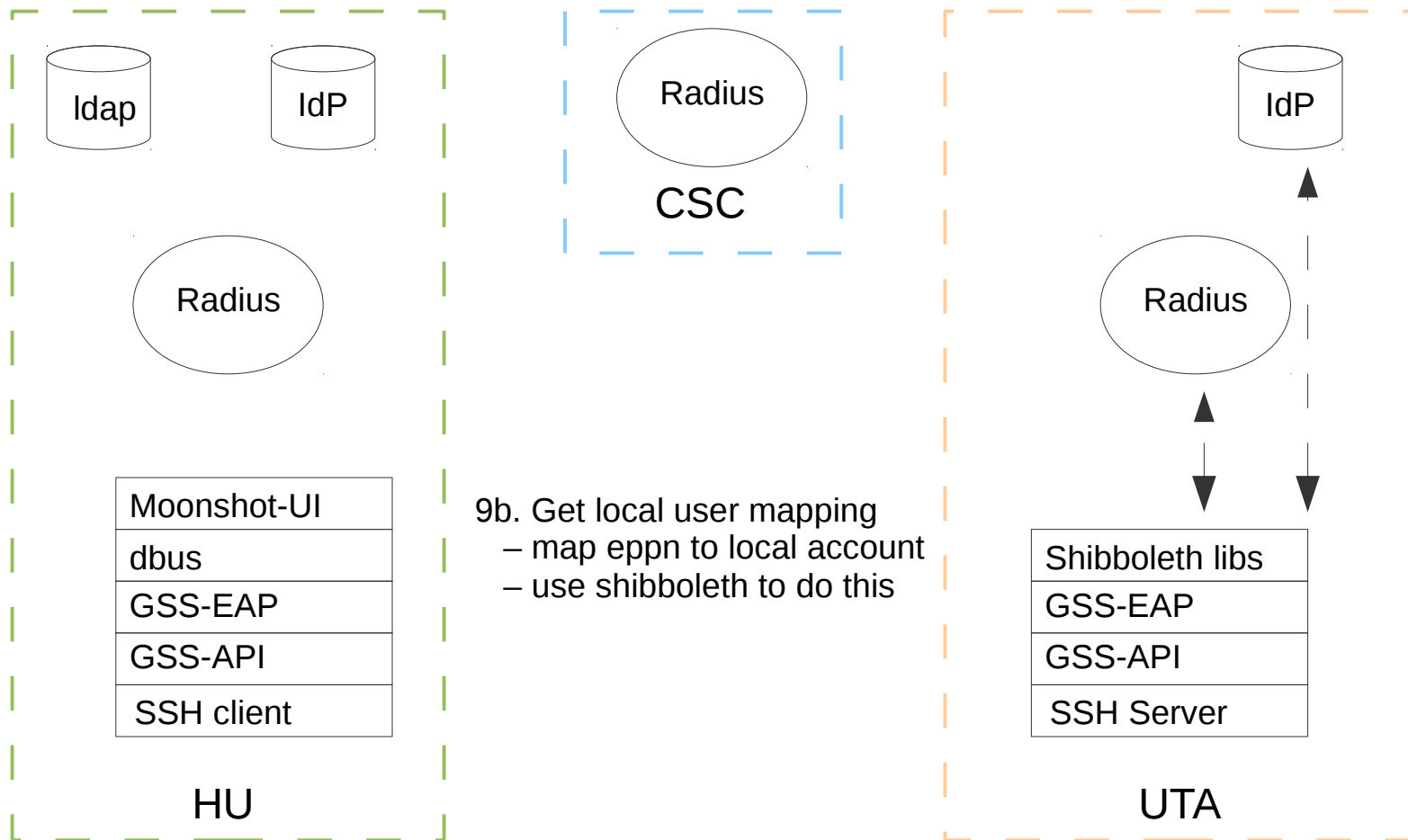
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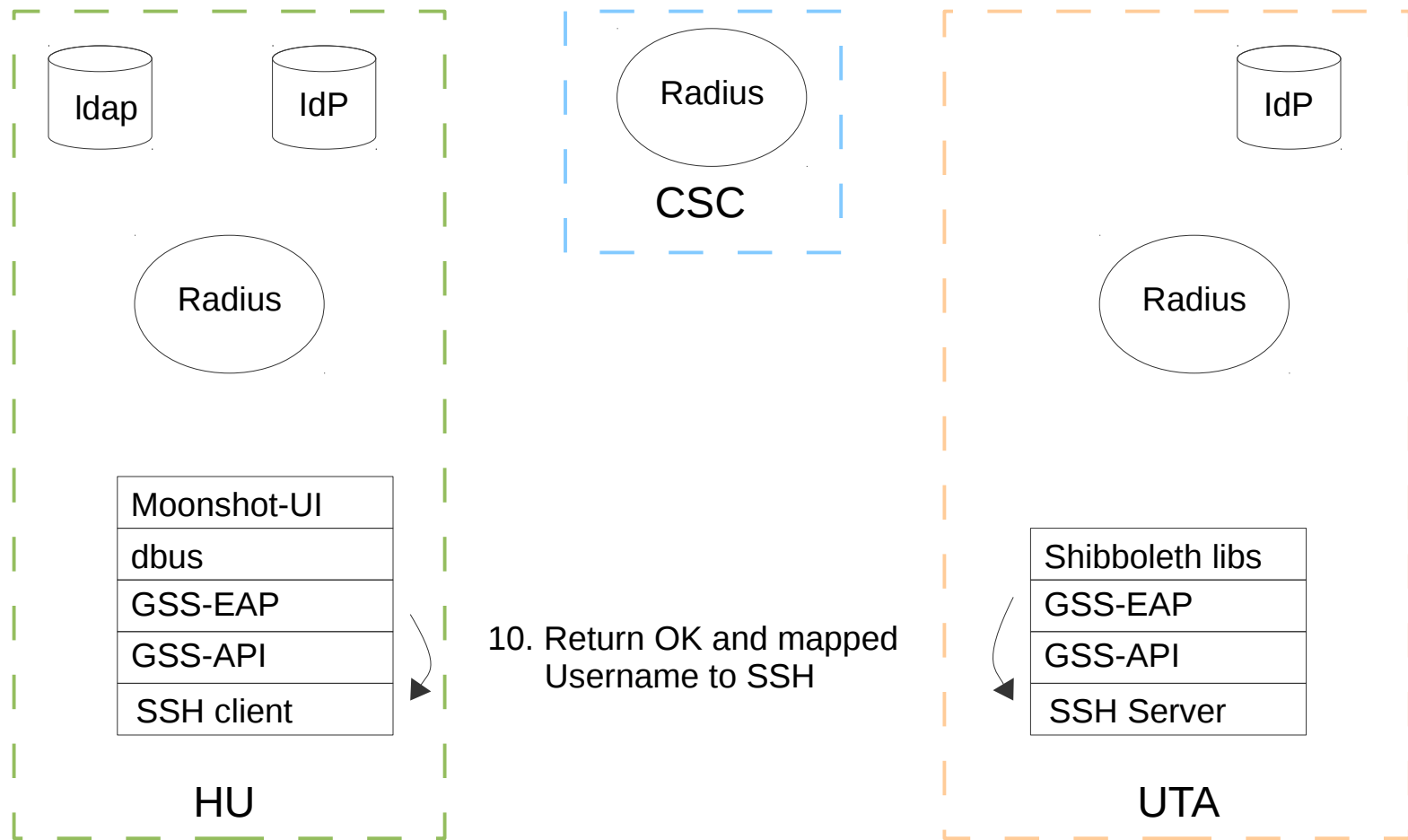
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A working pilot setup at CSC for Taito logins

- Ssh server set up
- Radius routing set up
- Radius IdP integration set up
- GSS-EAP on server side
- EPPN to local account mapping for CSC users only
 - Currently statically mapping eppn to account using shibboleth AttributeResolver
- Can be reached with `ssh taito-moonshot.csc.fi`

Thank you!



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