

Moonshot basics

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Moonshot Viikki 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
- The actual Janet software implementation
 - GSS-EAP and moonshot UI

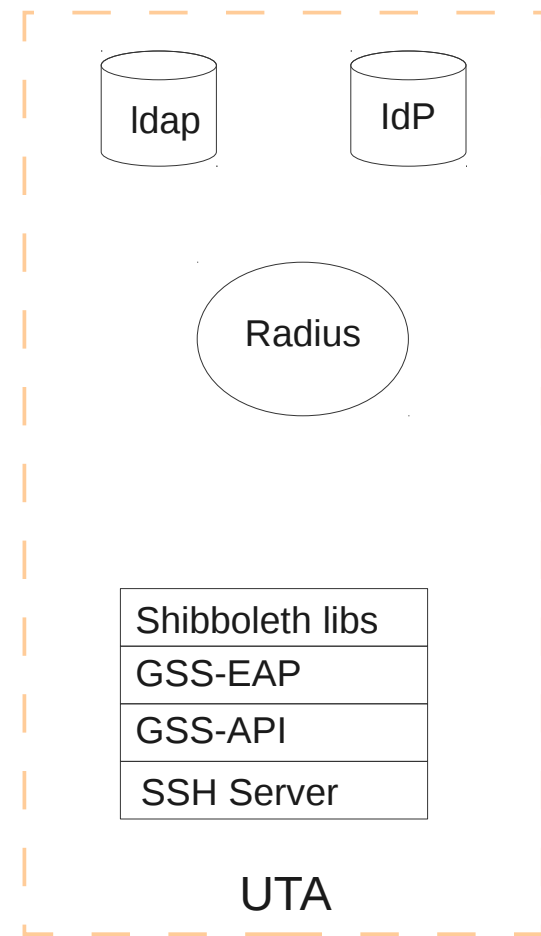
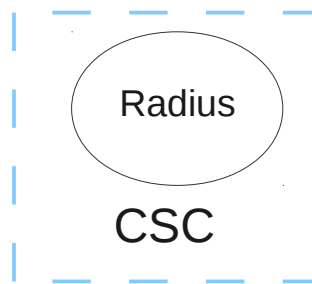
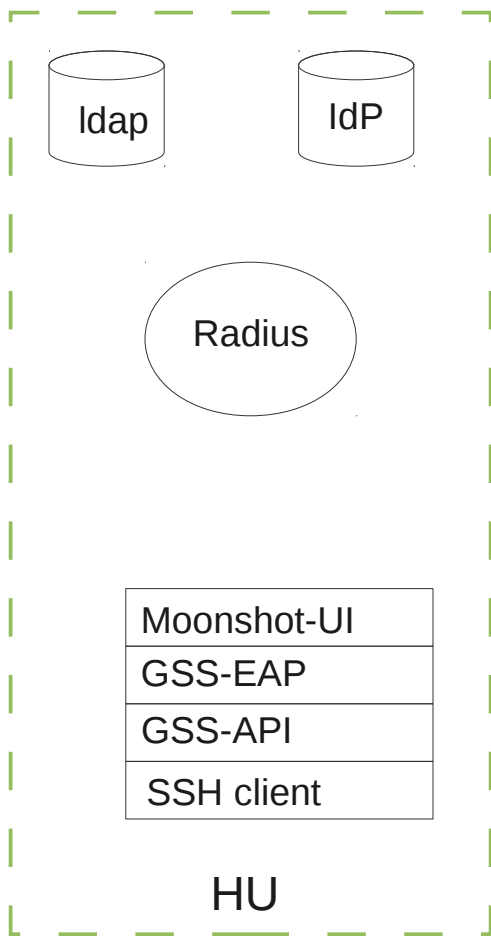
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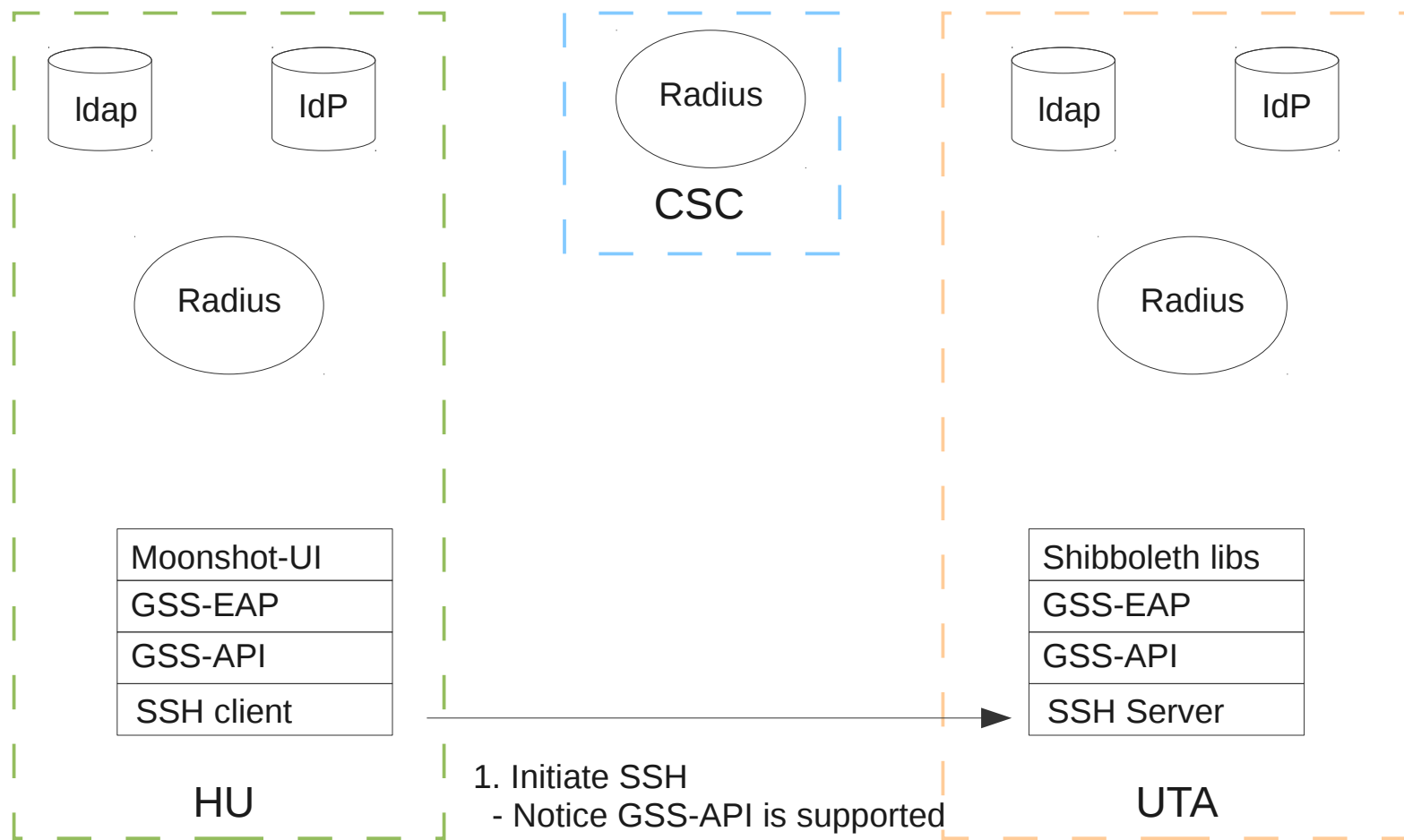
Builds on existing technologies

- Eduroam technologies for identity federation
 - Radius, EAP
- 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

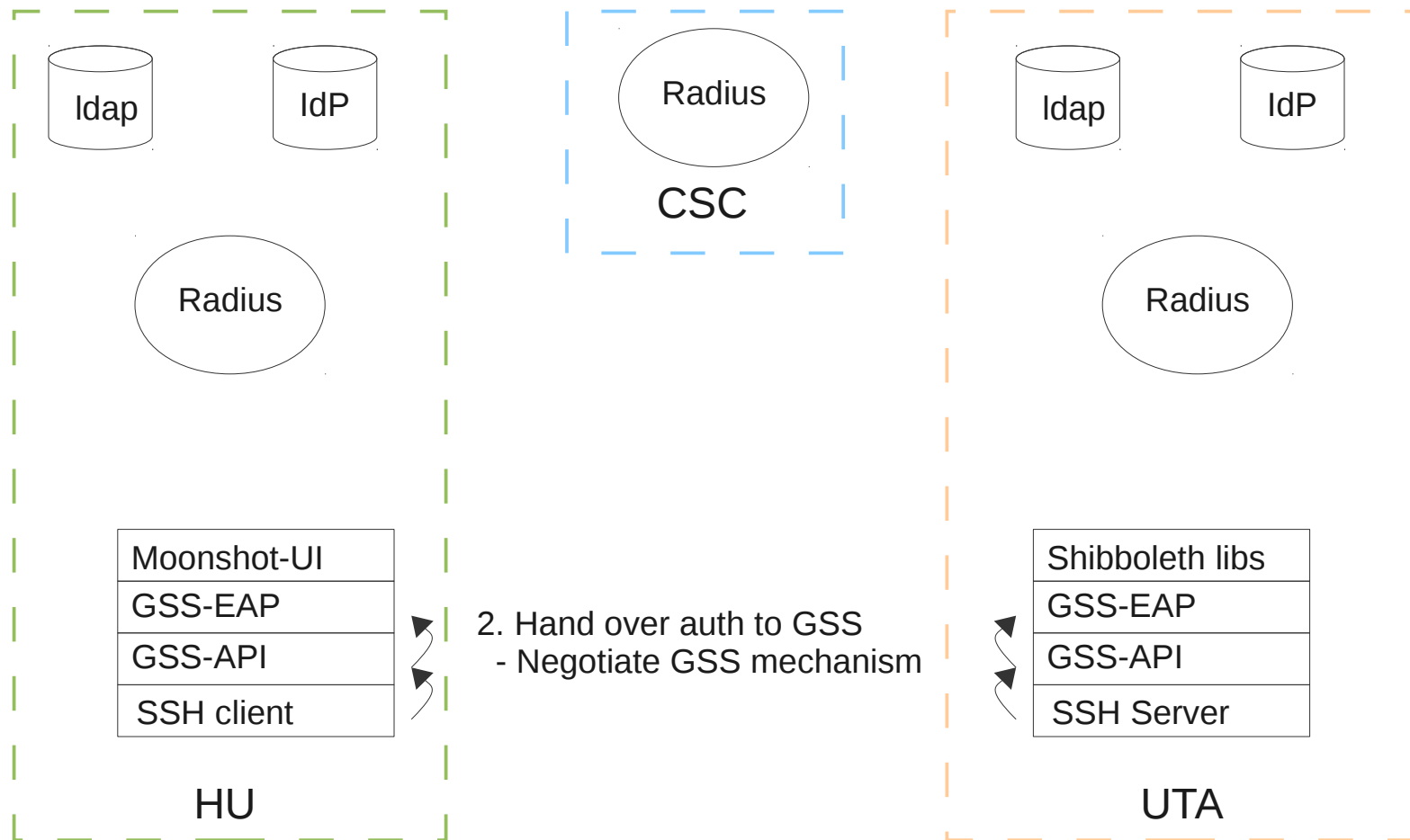
Example case



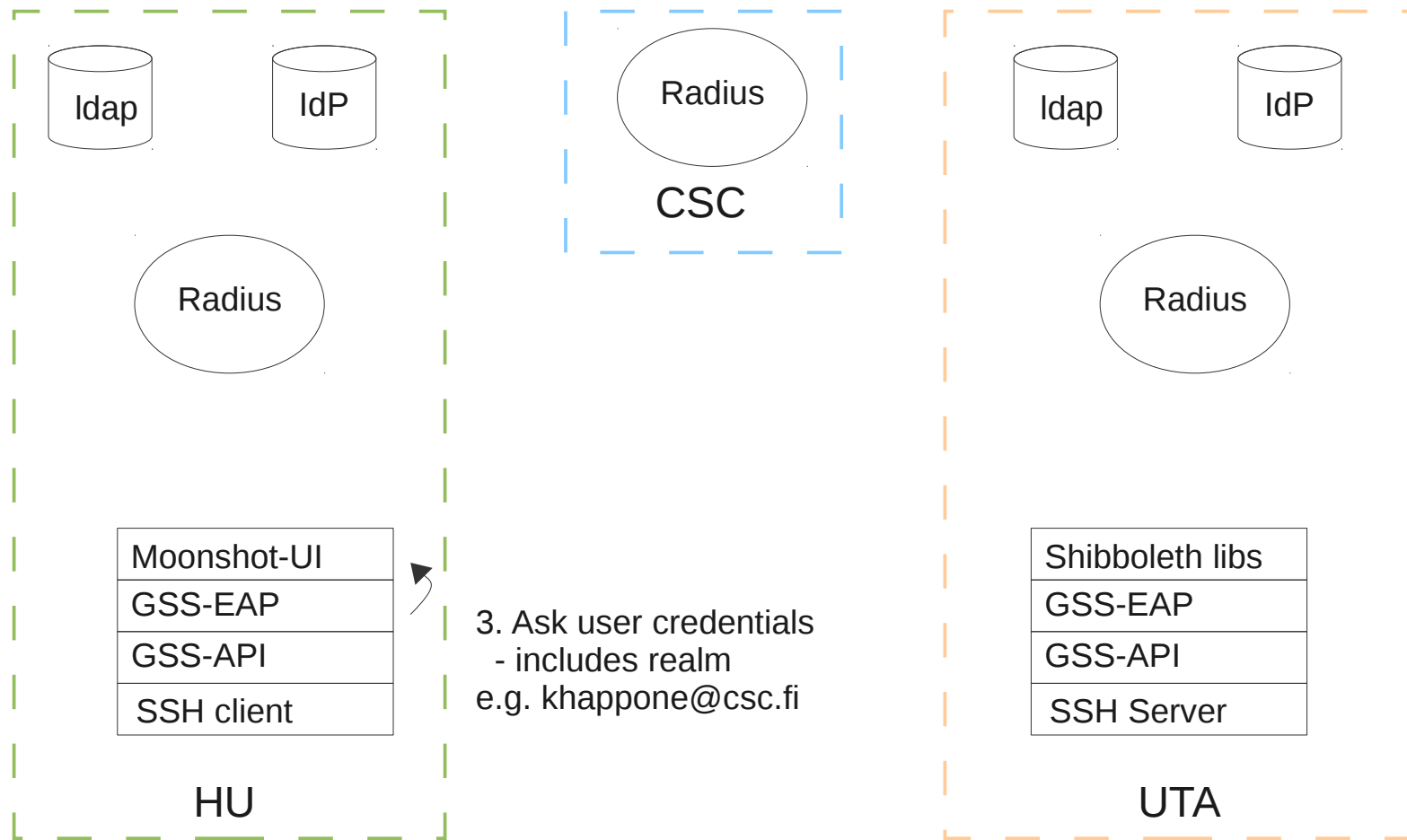
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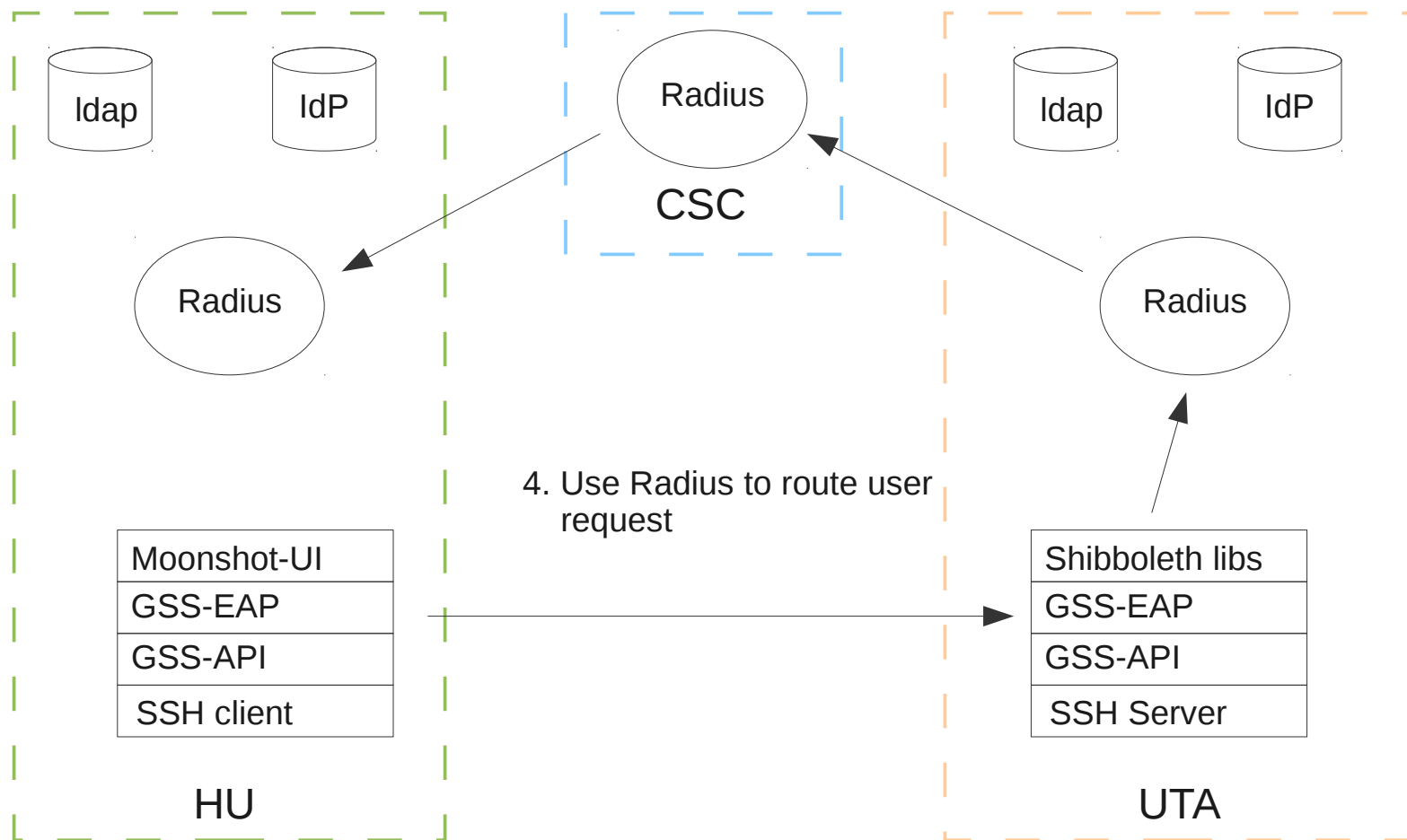
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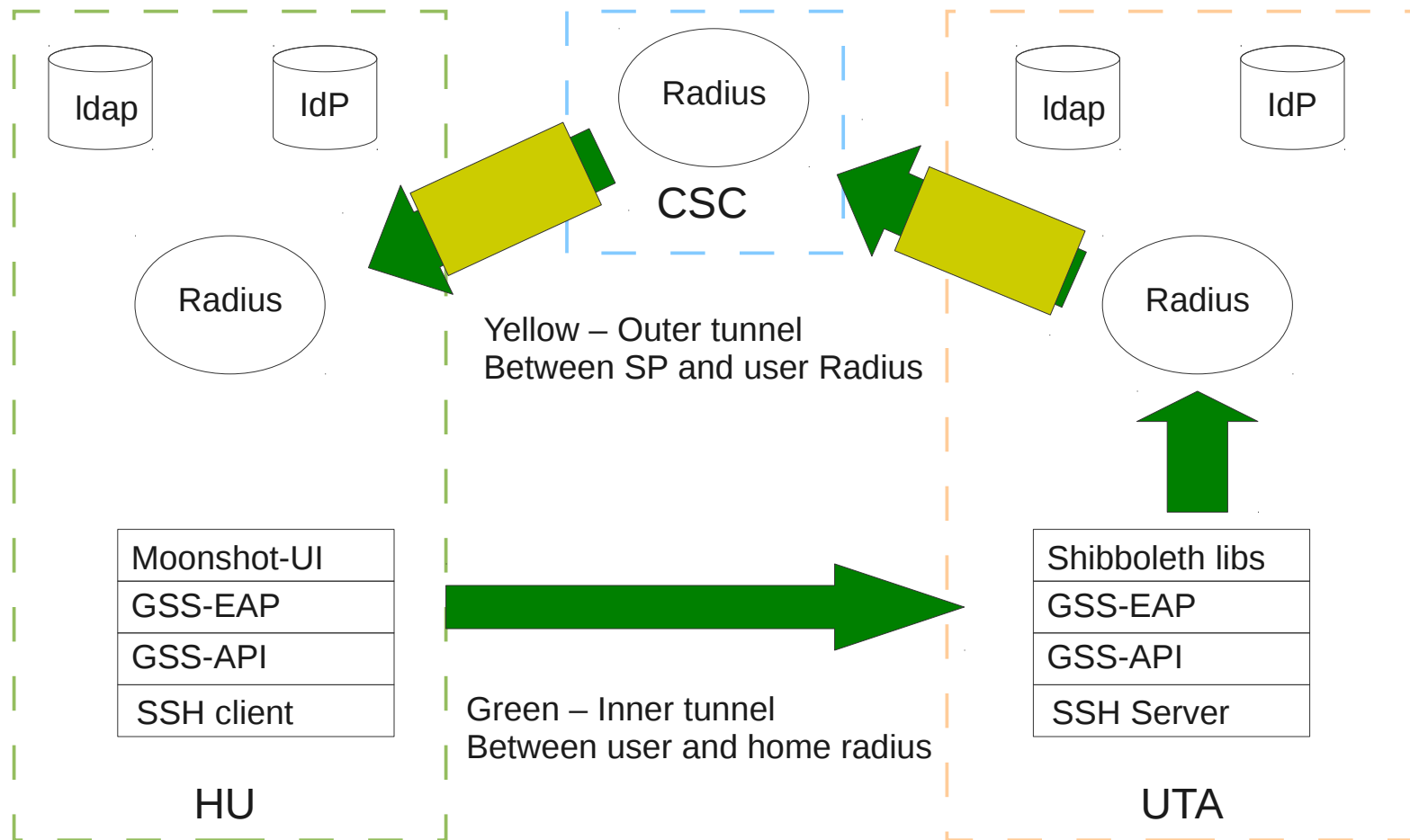
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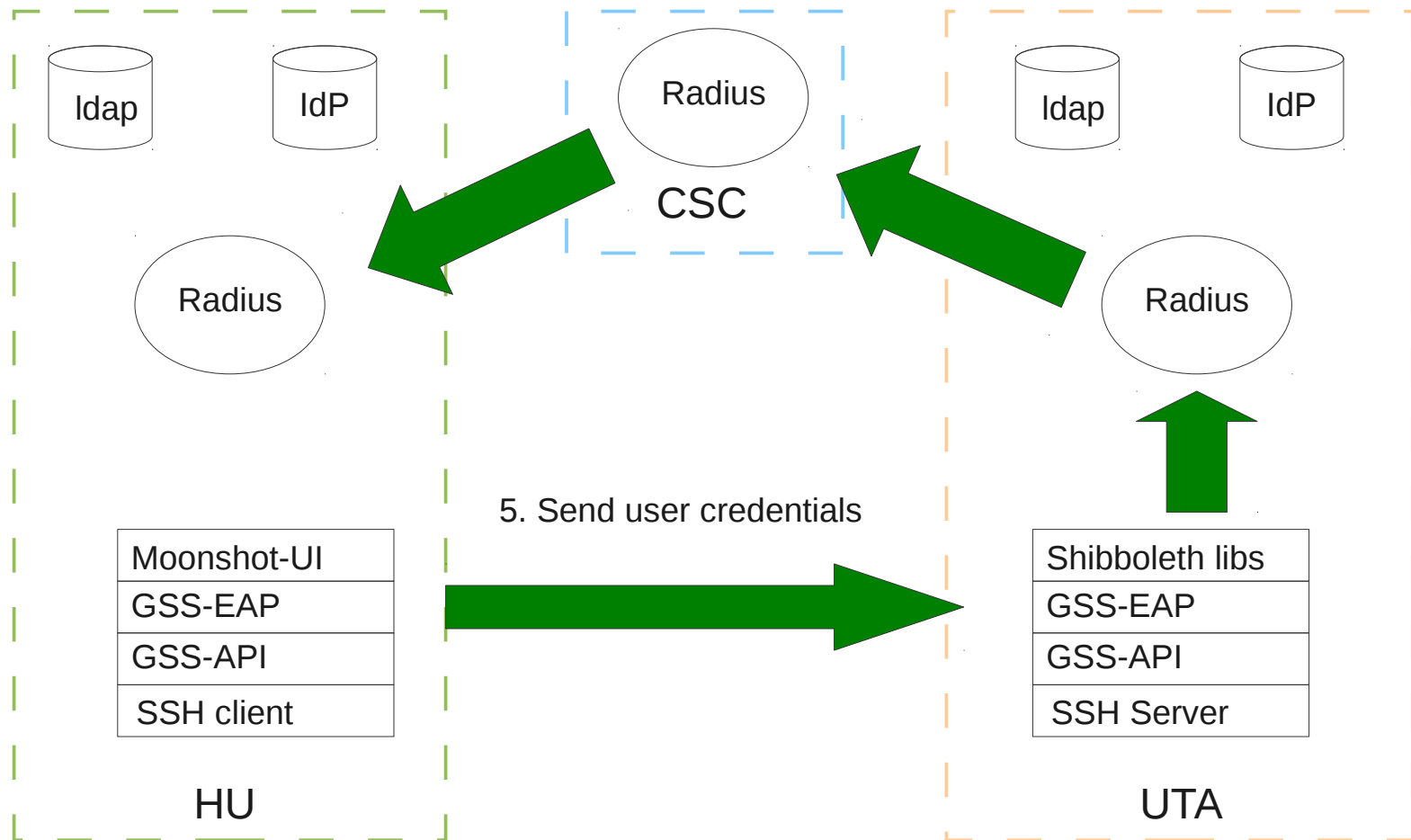
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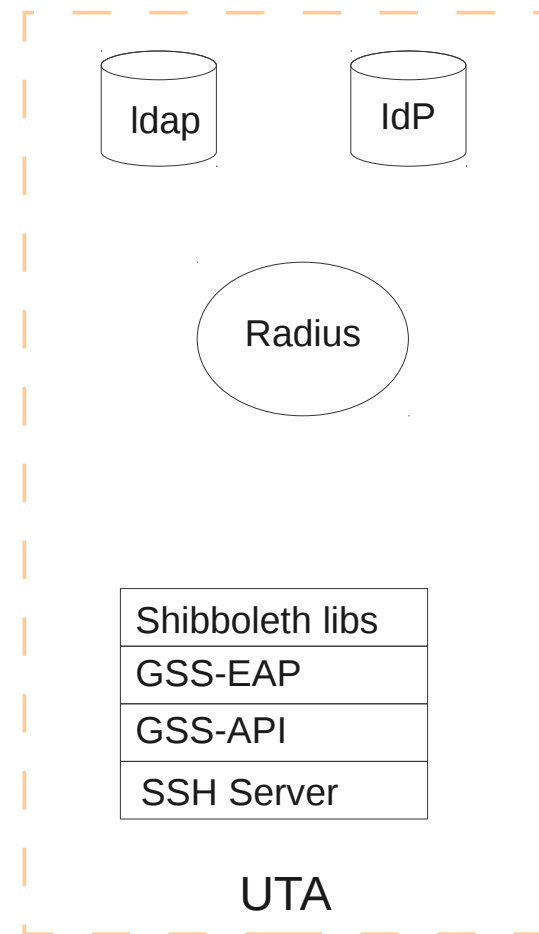
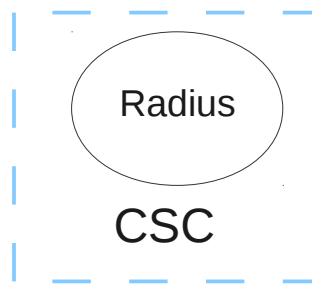
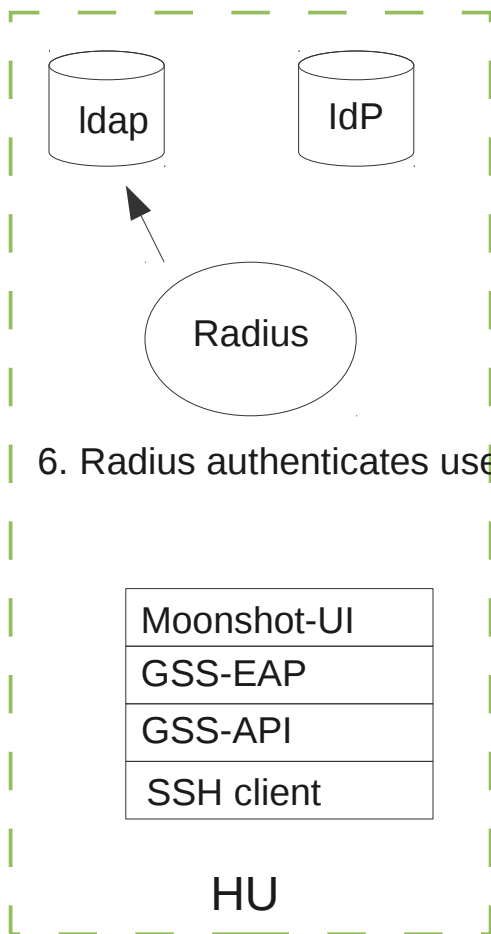
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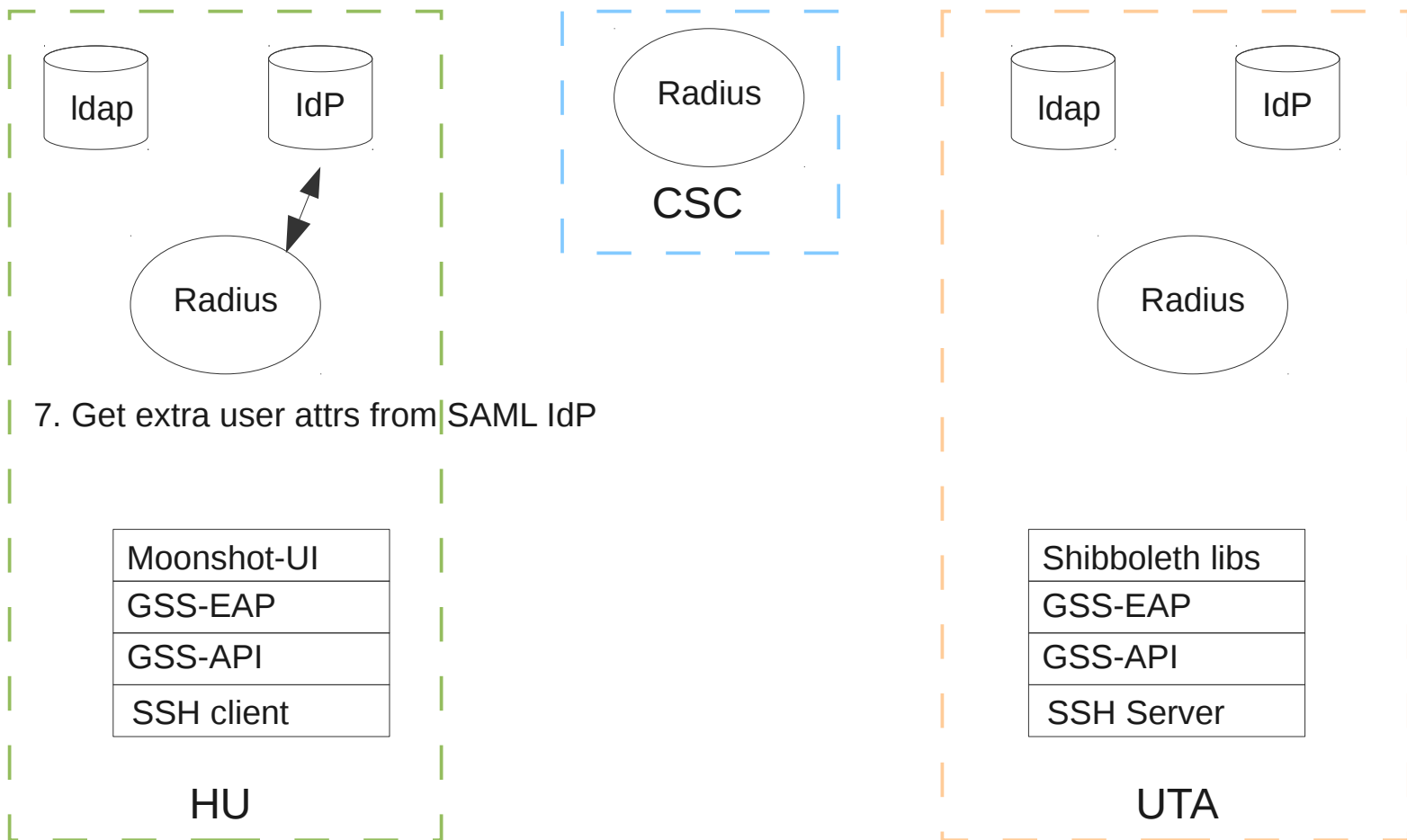
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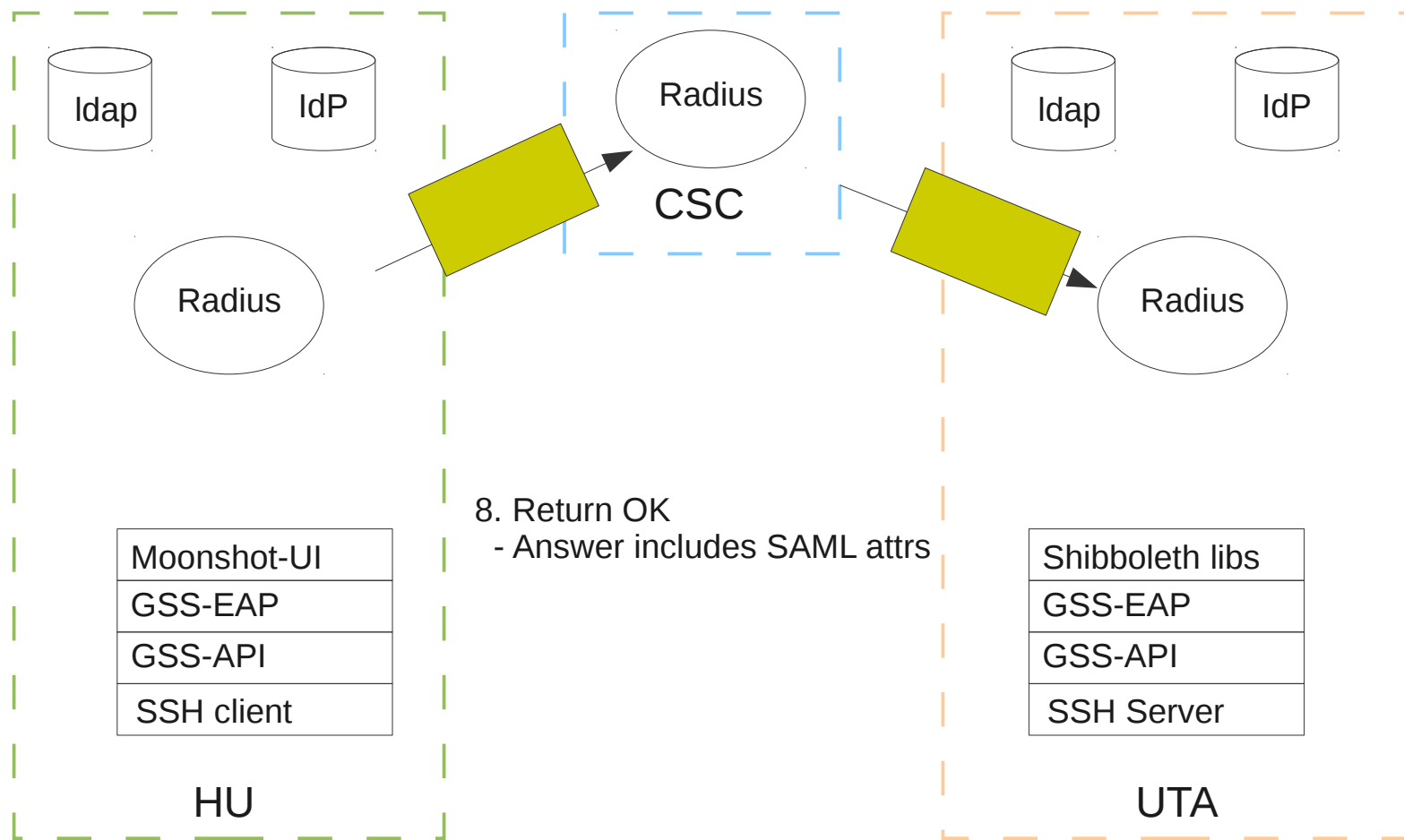
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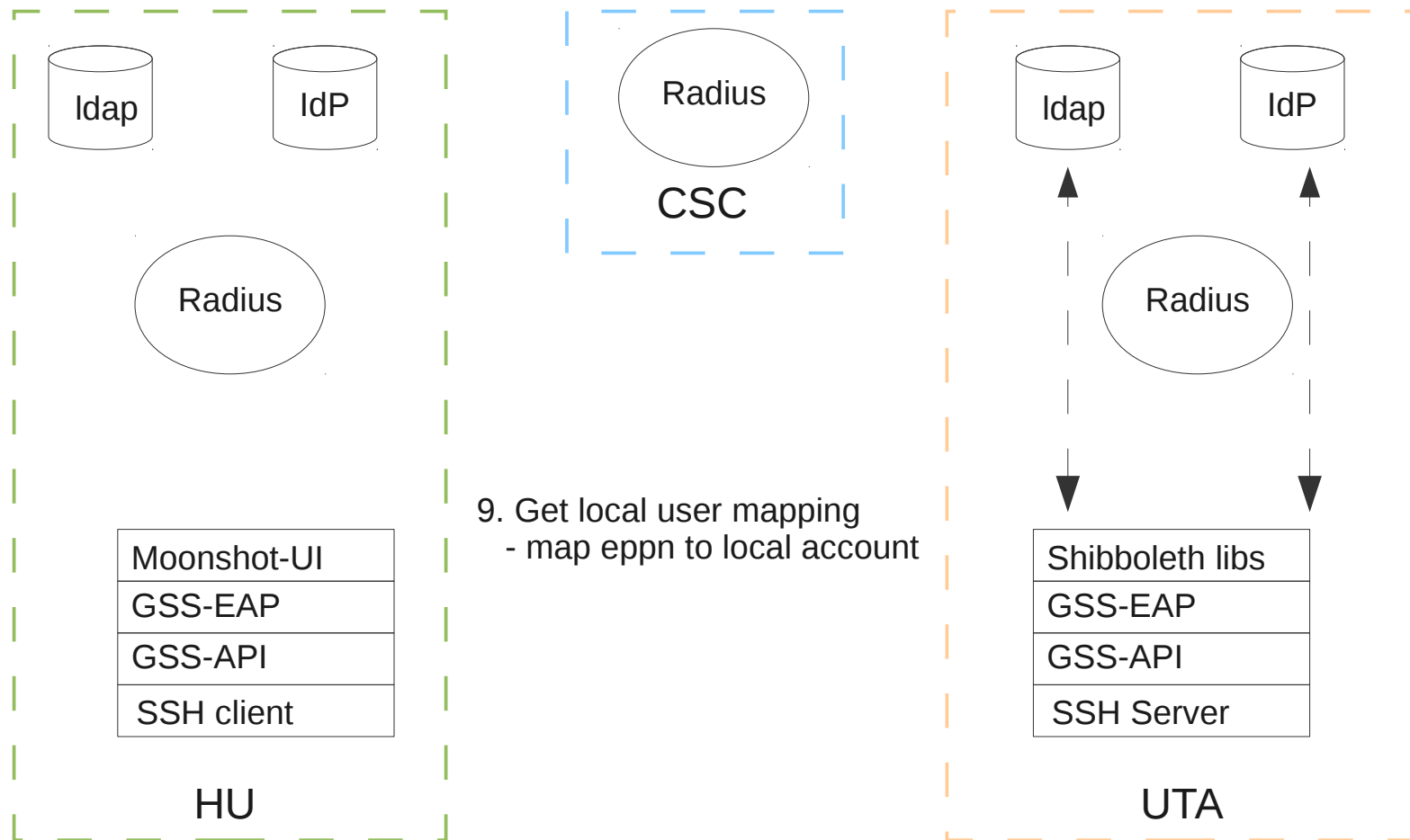
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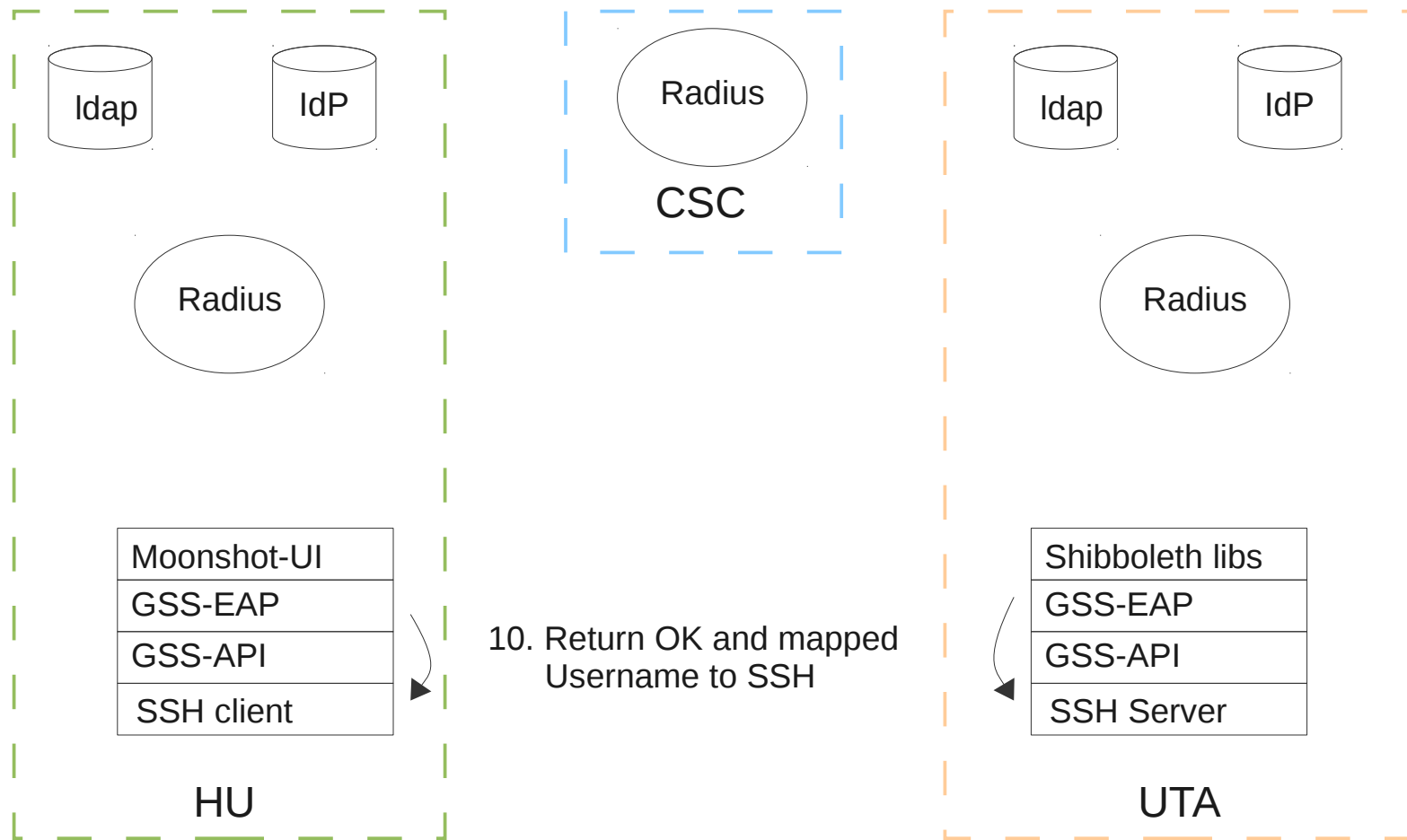
Example case



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Example case



Almost whole stack is working in a test setup at CSC

- Ssh server and client set up
- Radius routing set up
- Radius IdP integration set up
- GSS-EAP on client and server side
- Moonshot UI set up
- EPPN to local account mapping “almost there”
 - Currently statically mapping eppn to account using AttributeResolver
 - Segfaults...

Thank you!



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