Agenda

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<tr>
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<tr>
<td>Brook Schofield</td>
<td>Magnum</td>
<td>Activity lead 1/2</td>
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<td>Leif Johansson</td>
<td>P.I.</td>
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<td>Niels van Dijk</td>
<td>Mentor</td>
<td>Advise</td>
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<td>Michael Schmidt</td>
<td>Scrum Master</td>
<td>Process support</td>
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<td>Branko Marovic</td>
<td>Team Member</td>
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<td>Alan Lewis</td>
<td>Team Member</td>
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About HSM

• Hardware Security Module (HSM)
  • A HSM is a physical computing device that safeguards and manages
digital keys for strong authentication and provides cryptoprocessing.
  • Commercial offerings are very expensive
  • Most GÉANT T&I services rely on cryptographic keys

• Cryptech HSM
  • Open-source hardware cryptographic engine that can be built by
anyone from public hardware specifications and open-source firmware
  • First implementations available to test GÉANT use cases
  • Very new, chance to influence as early adopter

• https://cryptech.is
  • https://docs.google.com/document/d/1DwplEqxXAdj7h1Ec2-aaX7JYN_EG7lVOHU3fW5Igt6s/edit?pli=1#heading=h.4l7dmzp9v58s
Activity goals

- Investigate Cryptech HSM modules
- Gather community use cases
- Match requirements and identify improvements
- Identify interfaces to other services
- Examine opportunities for HSM as a service
Tools

• Action items in Trello ([https://trello.com/b/386wEkfc](https://trello.com/b/386wEkfc))
• Source Code in GitHub ([https://github.com/GEANT](https://github.com/GEANT))
• Documentation in Confluence ([https://wiki.geant.org/x/D3JwBg](https://wiki.geant.org/x/D3JwBg))

• Communication
  • Informal via Slack (cryptech-hsm)
  • Formal via mailing list (hsm-incubator@list.geant.org)
Next Steps

• Finalise project description (Brook, Leif)
• Deep dive Cryptech HSM (Brook, Branko, Alan)
• Prepare the Activity Backlog (Brook, Leif, Michael)
• Scrum training & sprint planning (05./06.03)
Thank you

Any questions?

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