

INSTANT MESSAGING

- Most instant messaging services are **not private**.
- Not secure.
- Log data & track users.
- Installed on insecure systems.
-etc



INSTANT MESSAGING

XMPP / JABBER

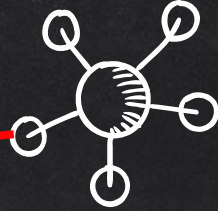
- Free & open.
- Not owned by anyone.
- **Decentralized.**
- Useable through Pidgin messenger in Tails.
- Enhance privacy using OTR.
- Widely used on the darknet.



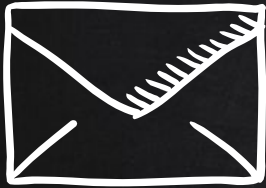
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XMPP SERVER



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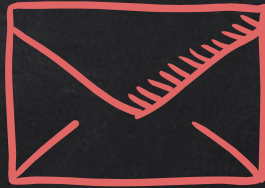
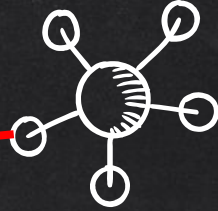


Secret message

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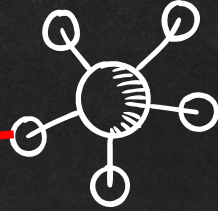
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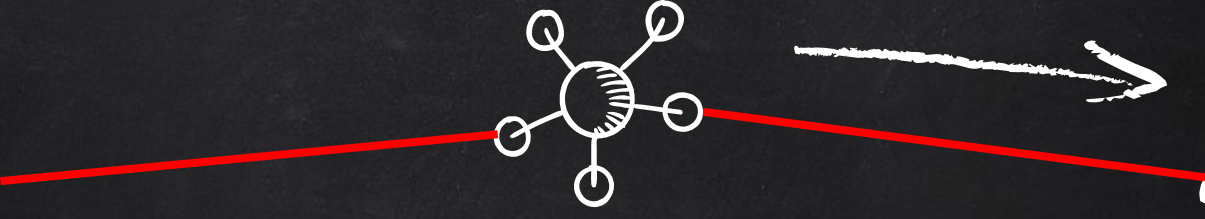
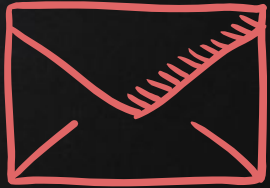
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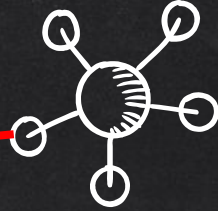
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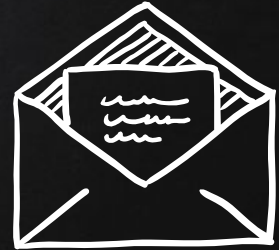
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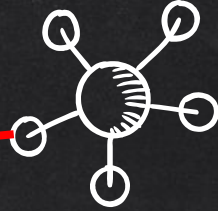
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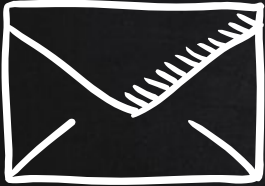
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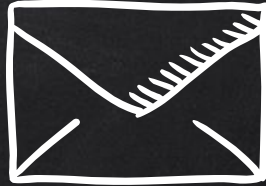
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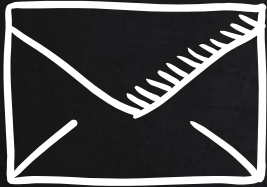
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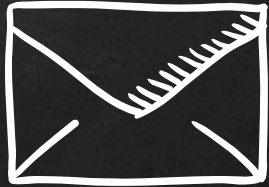
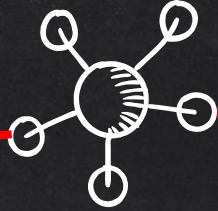


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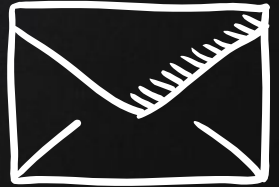
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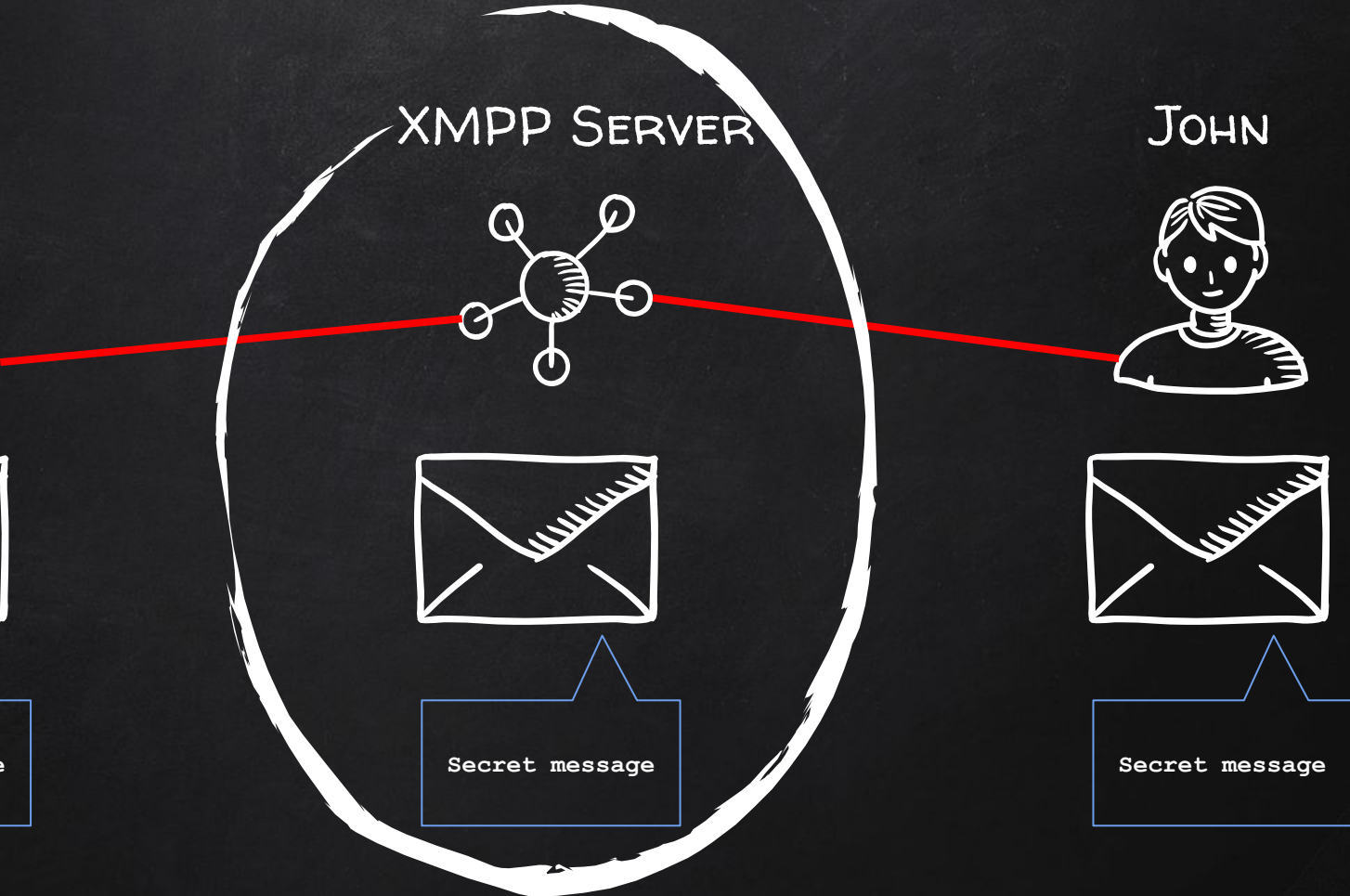


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OTR – OFF THE RECORD

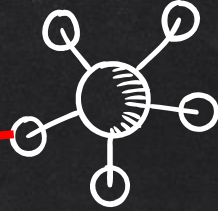
- End to end encryption.
- Authentication.
- Perfect forward secrecy .



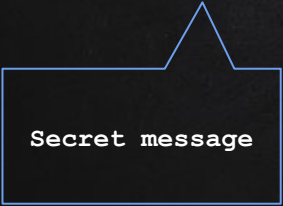
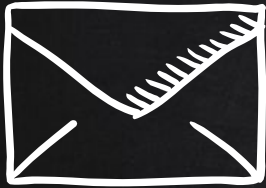
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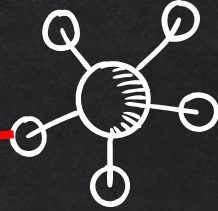


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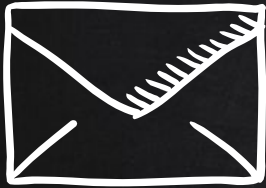
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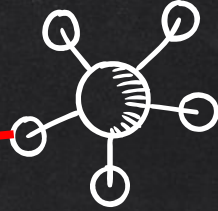
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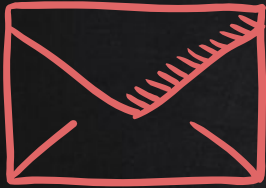
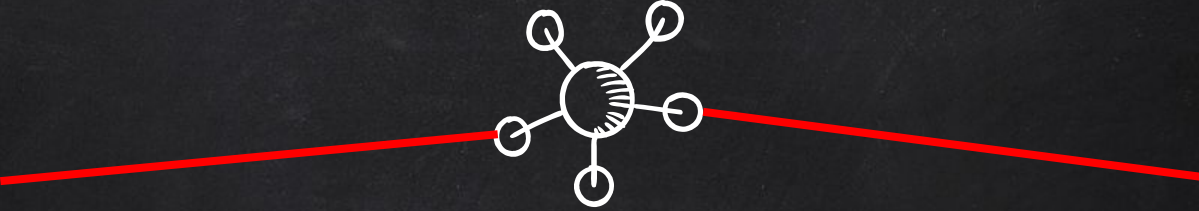
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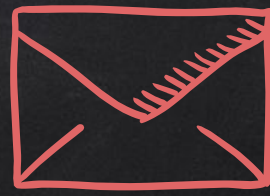
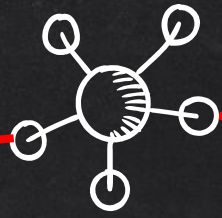
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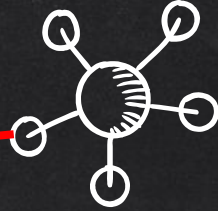
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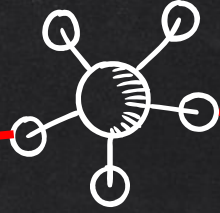
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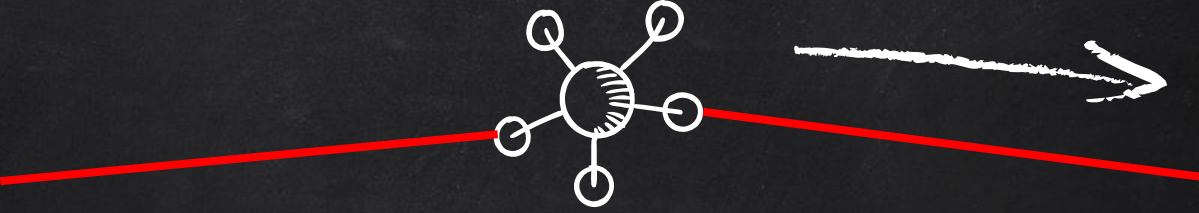
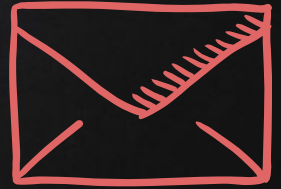
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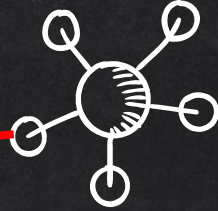
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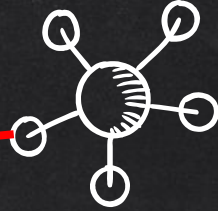
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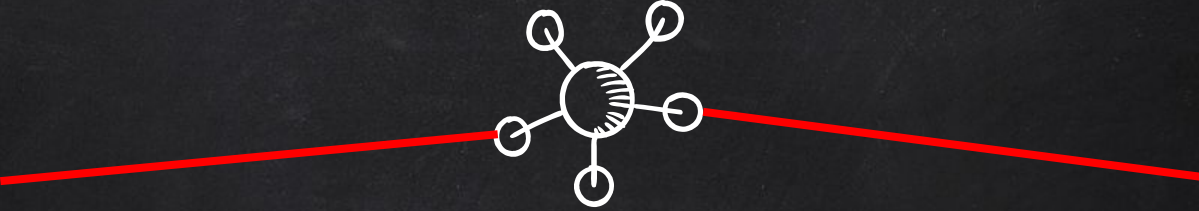
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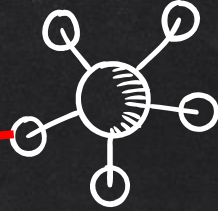


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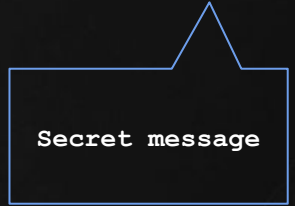
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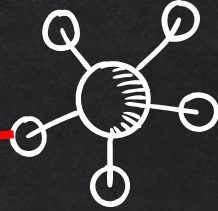
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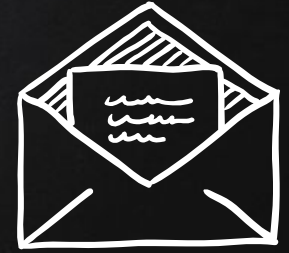
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