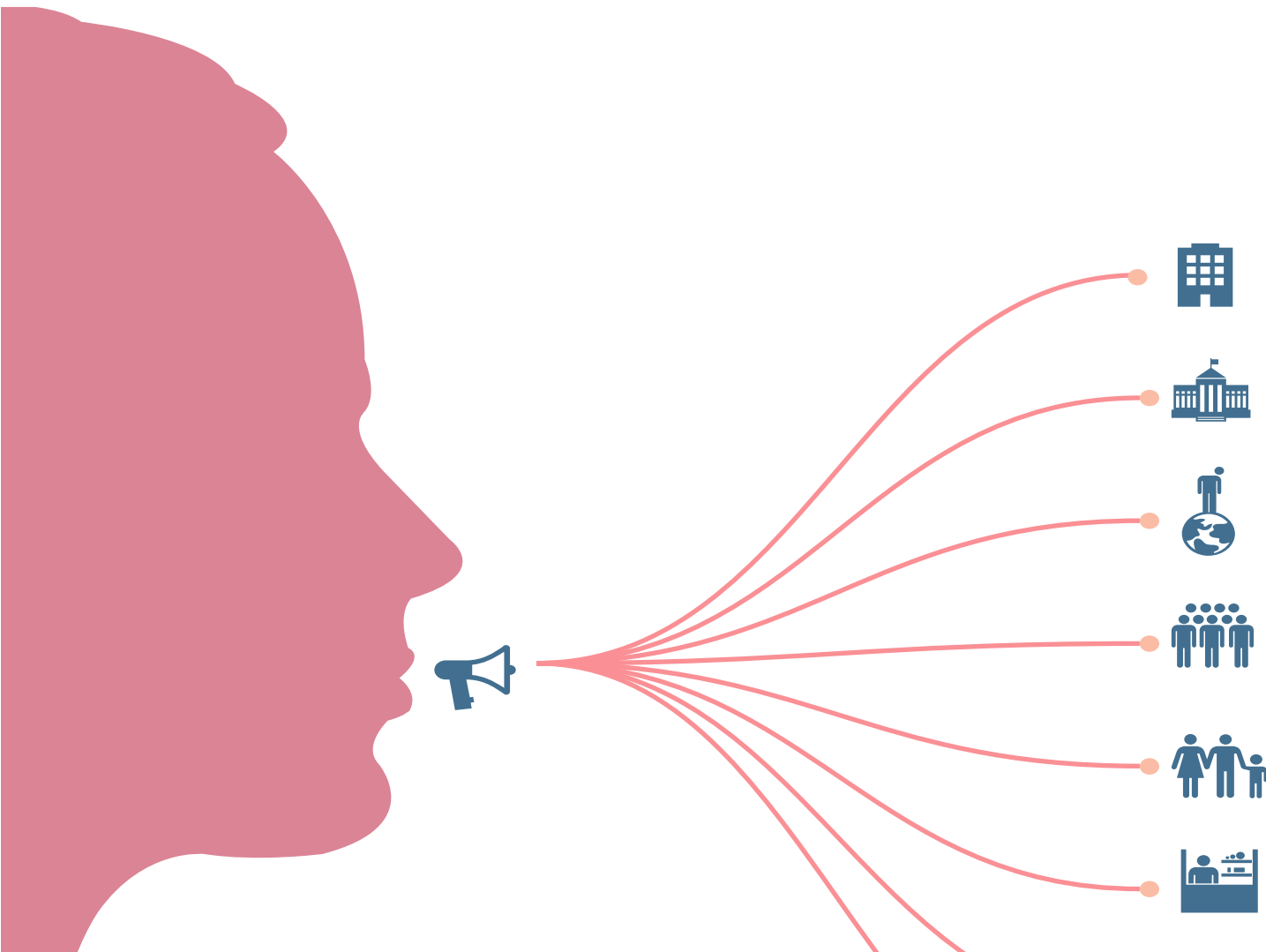


# DECENTRALIZED SESSION NEGOTIATION WITH **BCOIN**

# GETTING CONNECTED IS ½ THE BATTLE



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What?  
Why?



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# DSNP

Decentralized Session Negotiation Protocol

<https://github.com/Patrickdlg/bDsnp>



An Open Source DSNP Plugin for **Bcoin**



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# Piggyback Protocol

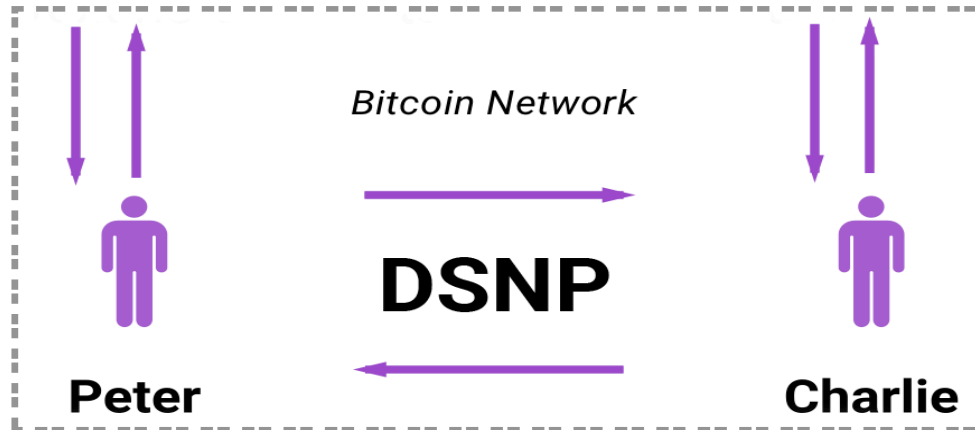
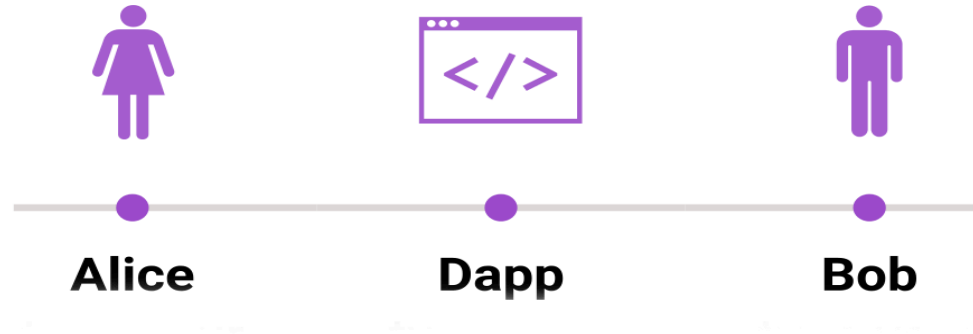
- DSNP piggybacks on existing protocols (Bitcoin, Cosmos, Ethereum, etc)
- DSNP nodes earn rewards and reputation by connecting DSNP clients
- DSNP is session protocol agnostic (from raw TCP to WebRTC)
- DSNP is an experiment in 2nd layer mechanism / incentive design



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# DSNP

Decentralized Session Negotiation Protocol



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# DSNP



# bcoin



First working implementation of DSNP powered by the Bitcoin network



Implemented as a **bcoin** plugin



Facilitates WebRTC PeerConnections ie browser-to-browser communication



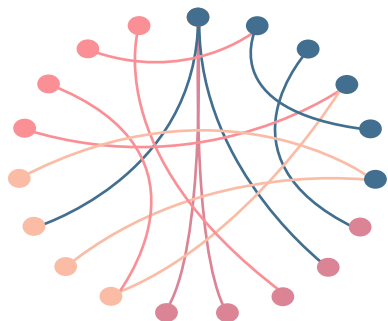
Reward payout functionality not yet implemented for Bitcoin we'll use Lightning



Fully tested



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**DEMO**



# WHAT'S NEXT?

1. Implement ICE / TURN server functionality for bDSNP
2. Integrate DSNP as service on Cosmos that interacts with the Cosmos Hub
3. Bitcoin Core implementation of DSNP
4. Off-chain reward payments with Lightning
5. DSNP on Ethereum as a TCR (Token Curated Registry)
6. R&D on implementing DSNP in an Ethereum Plasma Chain
7. DSNP will power peer discovery and session negotiation in browser based blockchain applications
8. Collect / pay to call



# Learn More

<https://hub.docker.com/r/fcm4ypt/bdsnp>

<https://github.com/Patrickdlg/bDsnp>

<https://twitter.com/dsnprotocol>



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