

# Light Client Support in Prysm

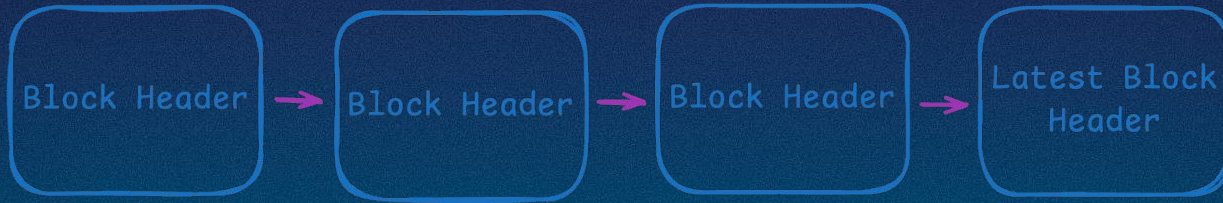
**Rupam & Bastin**  
Ethereum Protocol Fellowship



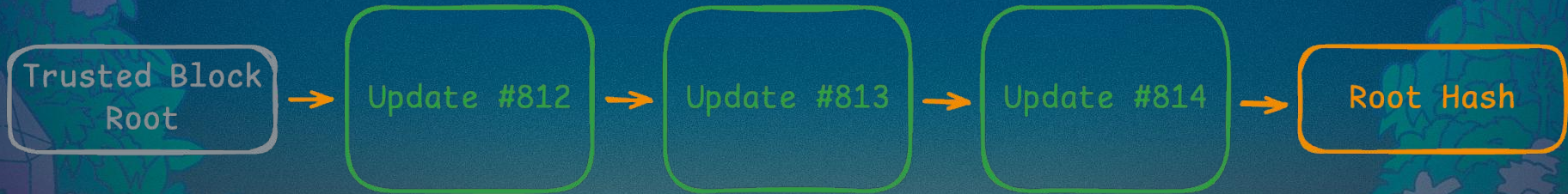
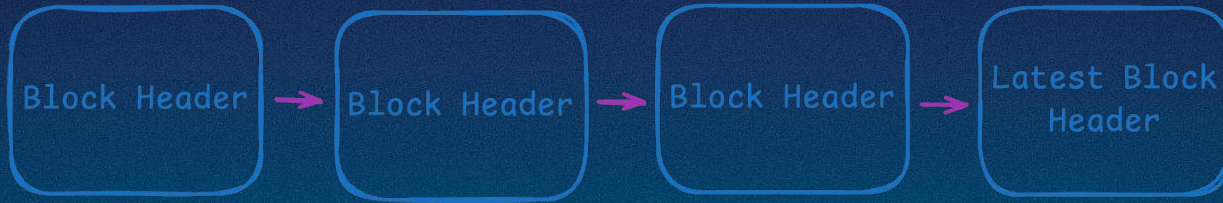
# Project intro



# Light Clients



# Light Clients





Block Header

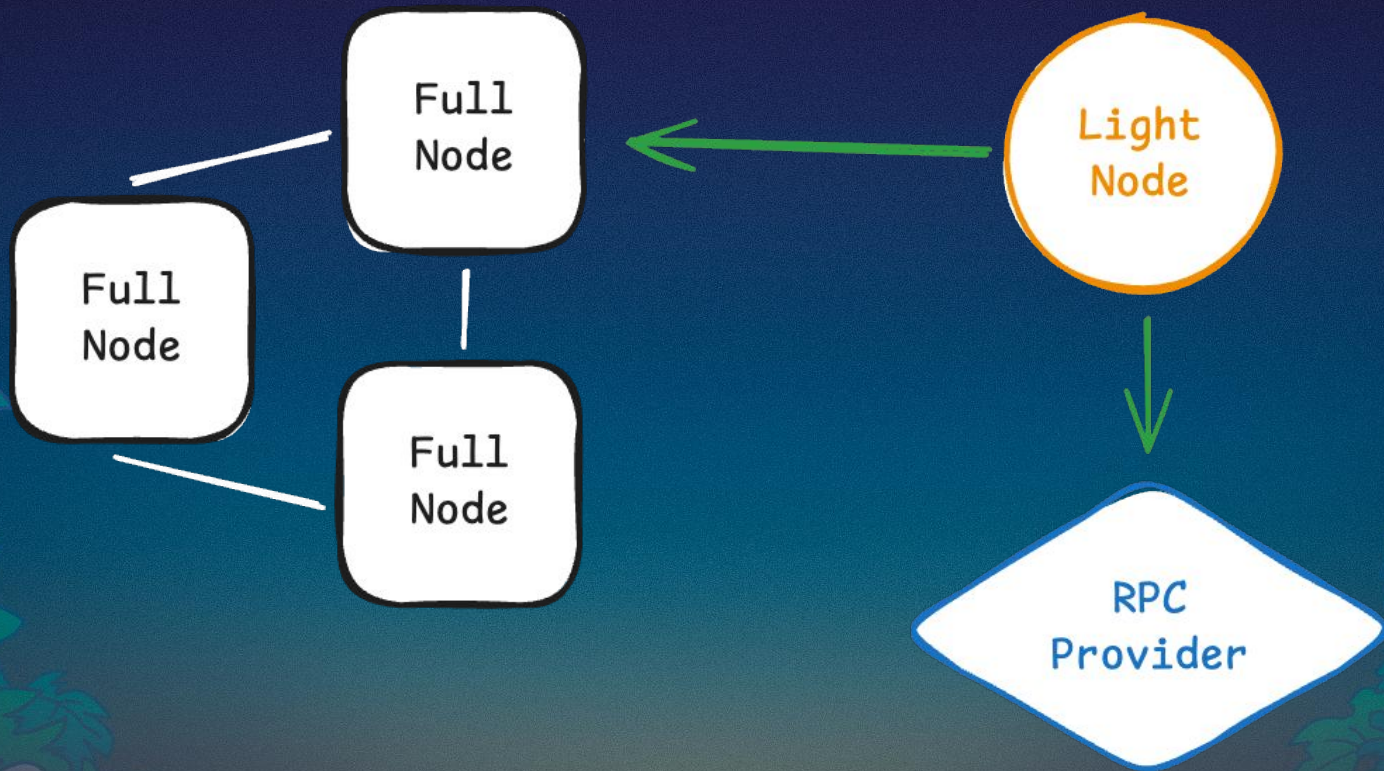
Current Sync Committee

Sync Committee Signature

Next Sync Committee

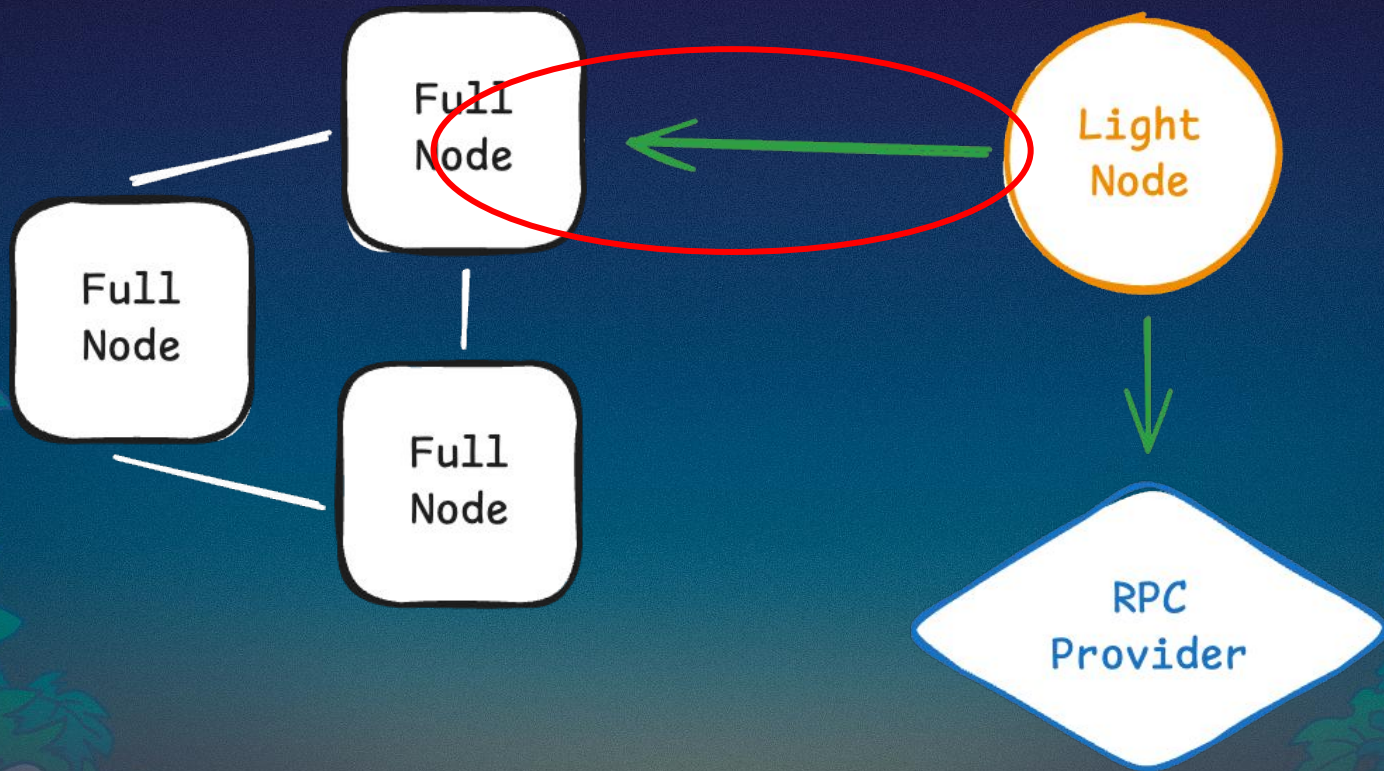
**Light Client Update**

# Network





# Network

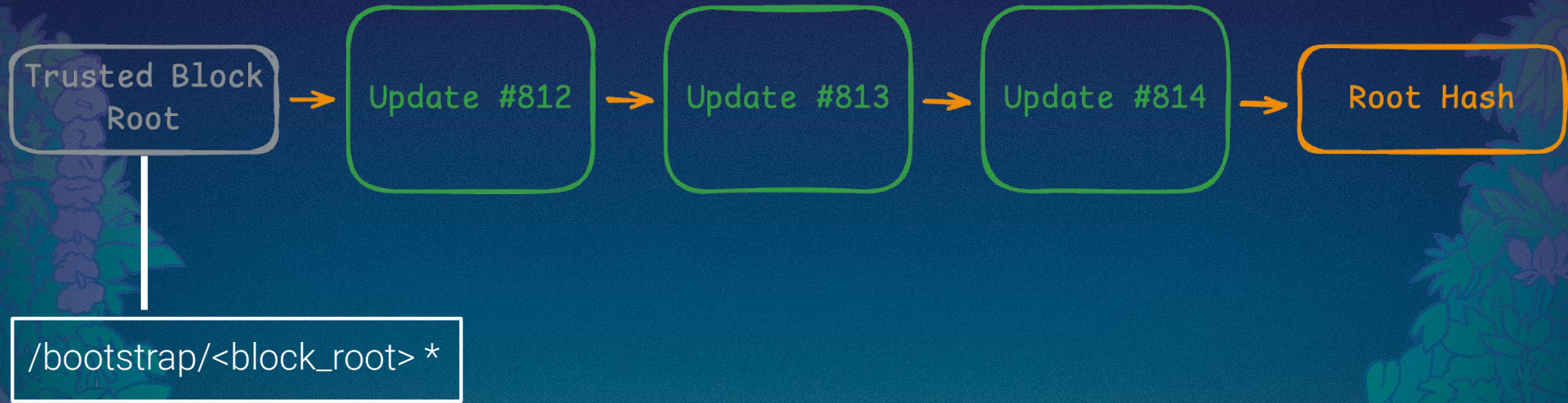


# Network



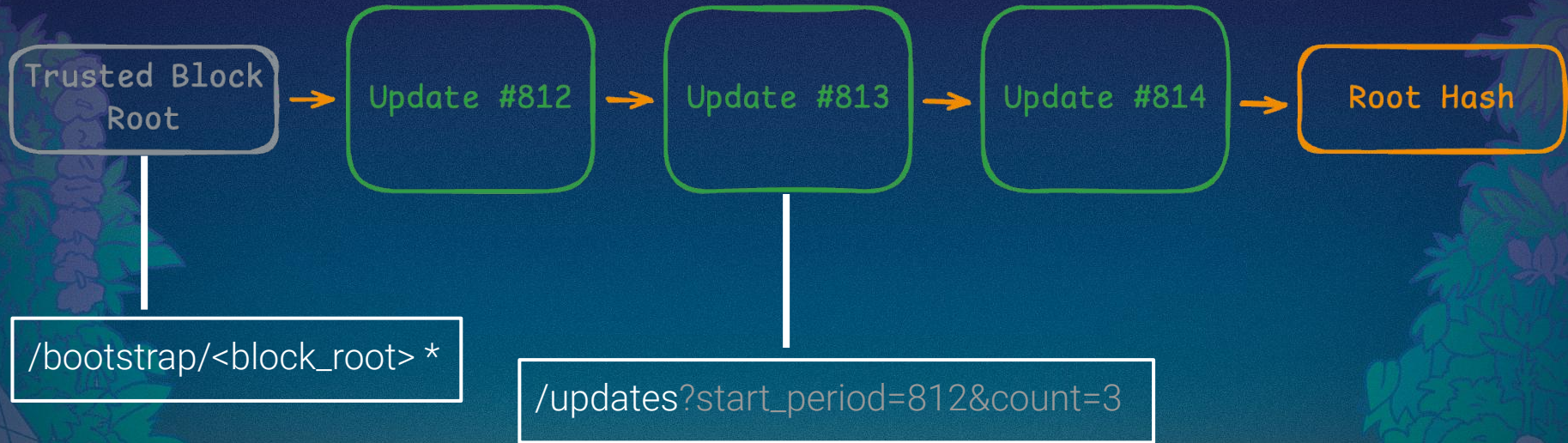


# Network



`/eth/v1/beacon/light_client/*`

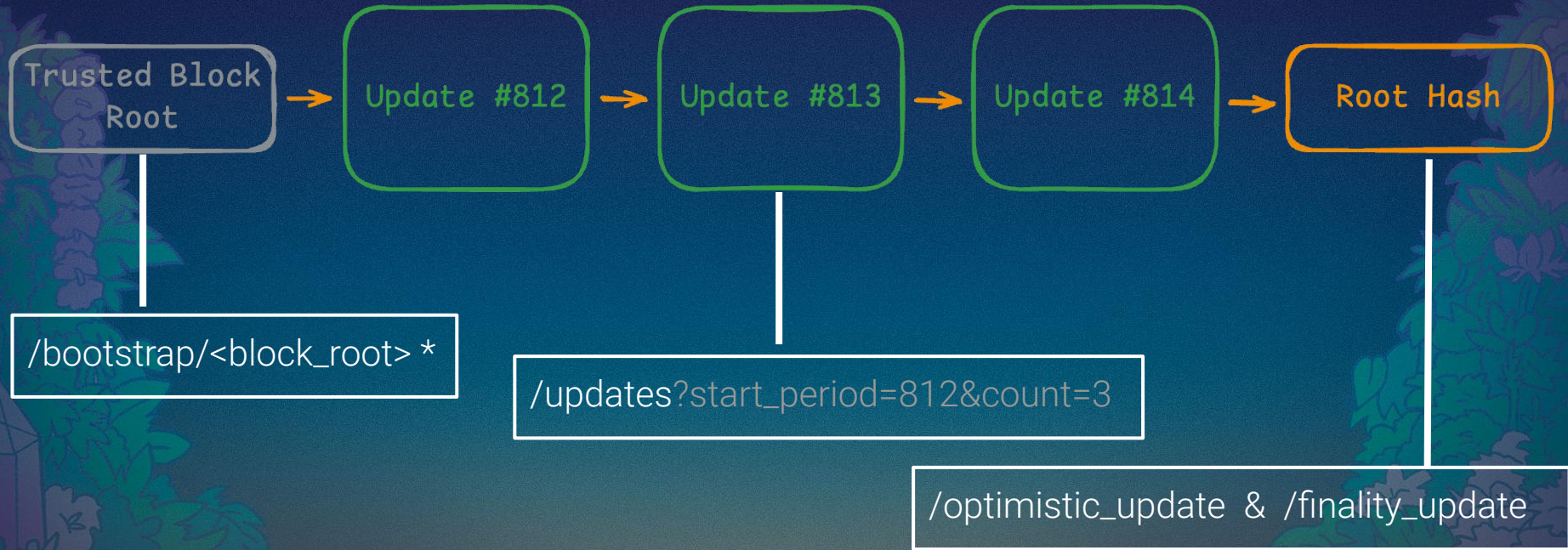
# Network



`/eth/v1/beacon/light_client/*`



# Network



/eth/v1/beacon/light\_client/\*

# Project Phases

Getting Familiar  
with Prysm &  
LightClients



Implementing the  
Spec



Testing &  
Debugging



# Project Phases

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Testing &  
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## Project Status current state

- Implemented the 4 RPC endpoints
- Support for forks › Altair
- Database for LC Updates
- Database for LC Bootstraps
- Save Updates/Bootstraps when receiving blocks
- The p2p events and topics
- [epf-light-client](#) branch on Prysm



# Project Status

next steps

- **Testing on a testnet**
- **Test performance**
- **Save Updates/Bootstraps while syncing**
- **Add light client stuff to E2E tests**
- **Add light client to Kurtosis**







Special Thanks to Radek

And Josh & Mário



**Thank you!**

