



# **LNP Node**

## **– demo part 3**

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# Previous LNP Node demo

- Node architecture
- Demo of node setup
- Basic node control
- LNPBP-46: hierarchical deterministic key derivation for lightning nodes
- Demo of channel initialization

# Today

- Channel creation workflows
- Demo of channel creation in all details
- Demo of channel persistence & reestablishment
- Roadmap & action points
- LNP layerization

# LNP/BP Standards Association is looking for

- **LNP Node maintainer:**

full-time Rust 🦀 developer with good knowledge of ⚡

- Reviews & comments on LNPBP-46 proposal:  
deterministic key derivation for lightning nodes
- Contributors to LNP Core Lib and LNP Node

# LNPBP-46: Lightning master key

- <https://github.com/LNP-BP/LNPBPs/pull/120/files>

m/ **9735'**

BIP-43  
purpose

# LNPBP-46: Lightning master key per blockchain

- <https://github.com/LNP-BP/LNPBPs/pull/120/files>

m/ **9735'** / **blockchain'**

BIP-43      0' mainnet

purpose    1' testnets

# LNPBP-46: Node key

- <https://github.com/LNP-BP/LNPBPs/pull/120/files>

m/	9735'	/	blockchain'	/	0'	/	node_no'
BIP-43	0' mainnet		Node		Node		
purpose	1' testnets		signifier		identity		

# LNPBP-46: Funding wallet master key

- <https://github.com/LNP-BP/LNPBPs/pull/120/files>

m/	9735'	/	blockchain'	/	2'	/	case	/	index
BIP-43	0'	mainnet	Wallet	0	Normal				
purpose	1'	testnets	signifier	1	Change				
				2	Shutdown key				
				200	RGB-20 assets				
				201	RGB-20 change				
				202	RGB-20 shutdown				



# LNPBP-46: Channel master key

- <https://github.com/LNP-BP/LNPBPs/pull/120/files>

m/	9735'	/	blockchain'	/	1'	/	ln_ver'	/	channel'	/	basepoint
BIP-43 purpose	0' mainnet 1' testnets		Channel signifier		0' BOLT 1' Bifrost		31 most significant bits of remote node pubkey hash		0 Funding 1 Payment 2 Delayed 3 Revocation 4 Per-commitment 5 HTLC 6 PTLC		