

Brief History of Covenants from Jeremy's Egotistical PoV BLOCK

- **Jan 2017** Presentation on Safe for Bitcoin Covenants at BPASE 2017
 - <https://diyhpl.us/wiki/transcripts/blockchain-protocol-analysis-security-engineering/2017/2017-01-26-jeremy-rubin-covenants/>
- **March 2017** Jeremy Develops client with a mini "GSR"
 - OP_UTXOEXISTS, OP_GETINPUT, OP_GETBLOCKHASH, OP_CAT, CSFS, dynamic memory limiter
<https://github.com/JeremyRubin/rubits/commits/enable-fun-opcodes/>
- **Summer 2018** Develops & Presents Lazuli, Multiparty ECDSA for covenants, especially congestion control
<https://github.com/JeremyRubin/lazuli>
- **May 2019** Publishes OP_COSHV
<https://lists.linuxfoundation.org/pipermail/bitcoin-dev/2019-May/016934.html>
- **Oct 2019** Epoch Mempool
<https://github.com/bitcoin/bitcoin/pull/17268>
- **Nov 2019** <https://utxos.org>
- **Summer/Fall 2019** "Summer of Secure The Bag"
- **Jan 6 2020** – Applies OP_CTV for BIP Assignment
- **Feb 2020** – CTV BIP Workshop in SF
<https://diyhpl.us/wiki/transcripts/ctv-bip-review-workshop/>
- **May 2020-2021** Sapio <https://learn.sapio-lang.org>
- **Sep 2020** Tx Sponsors / Ephemeral Anchors
<https://lists.linuxfoundation.org/pipermail/bitcoin-dev/2020-September/018168.html>
- **March 2021** Jeremy Appoints himself champion of Taproot Activation
<https://lists.linuxfoundation.org/pipermail/bitcoin-dev/2021-March/018699.html>
- **March 2021** Connector Outputs
<https://lists.linuxfoundation.org/pipermail/bitcoin-dev/2021-March/018615.html>
- **April 2021** CoinFlip Surprise
- **July 2021** Lamport Sigs in Script
<https://rubin.io/blog/2021/07/06/quantum-bitcoin/>
- **Sep 9 2021** Soft Support Signaling
<https://utxos.org/signals>

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- **Nov 2021** TAPROOT ACTIVATES
- **Dec 2021** Advent Calendar
<https://rubin.io/advent21>
- **Jan 2022 - May 2022** BIP Review IRC Meetings <https://utxos.org/workshops/>
- **April 2022** Calculus of Covenants
<https://lists.linuxfoundation.org/pipermail/bitcoin-dev/2022-April/020225.html>
- **Spring 2022** Activation Client for 11/9/2022
<https://rubin.io/bitcoin/2022/04/17/next-steps-bip119/>
- **May 1st 2022** Activation Called Off
<https://lists.linuxfoundation.org/pipermail/bitcoin-dev/2022-May/020397.html>
- **May 2022** Spookchains
<https://rubin.io/bitcoin/2022/09/14/drive-chain-apo/>
- **Oct 2022** Judica VM
- **Dec 2022** Jeremy Reevaluates life choices, quits Core
- **Oct 2023** BitVM
- **May 2024** FE'd Up Covenants
<https://rubin.io/bitcoin/2024/05/29/fed-up-covenants/>
- **Fall 2024** ColliderScript
- **Fall 2024** Char Network
<https://char.network>