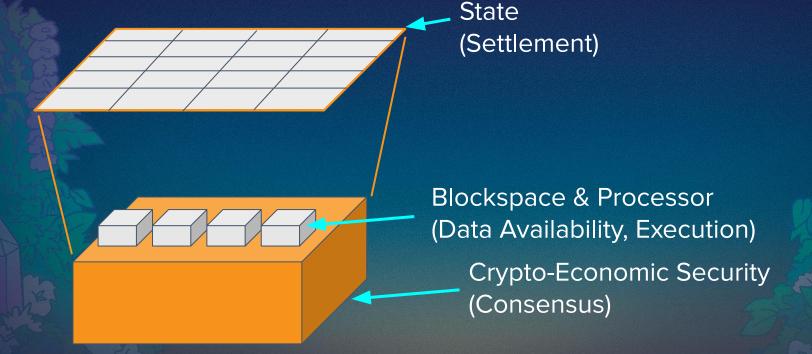


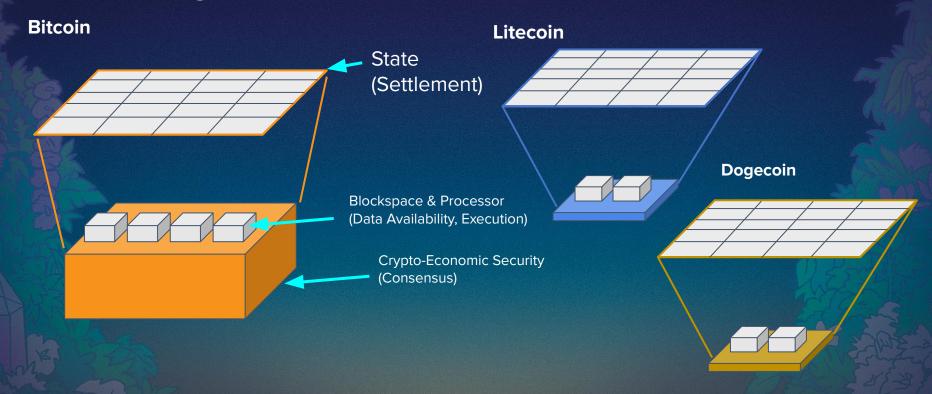


### Paradigm 1: Monolithic Bitcoin & POW Forks

Bitcoin

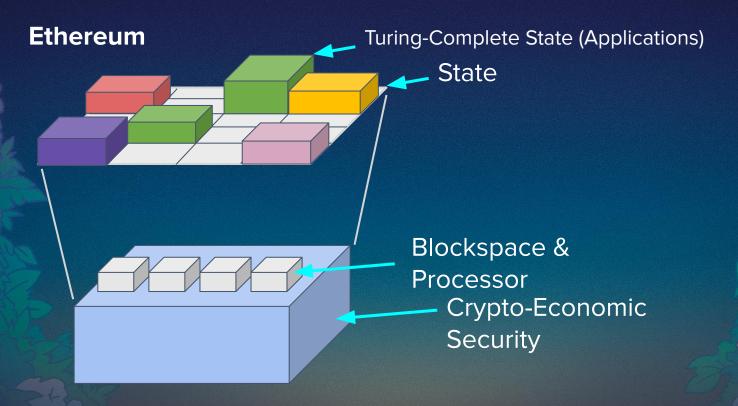


# Paradigm 1: Monolithic Bitcoin & POW Forks

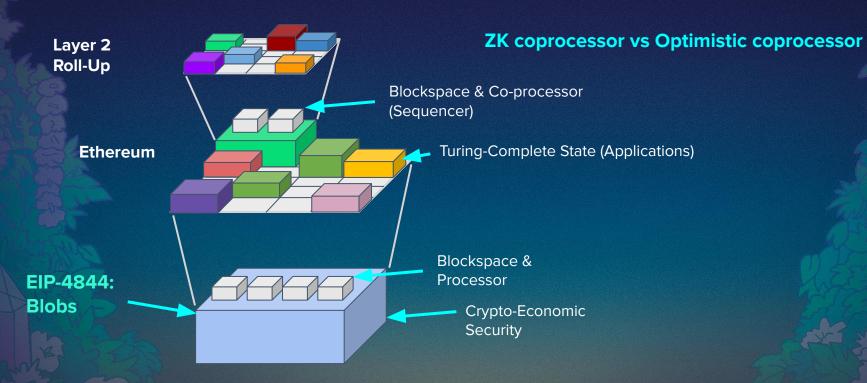




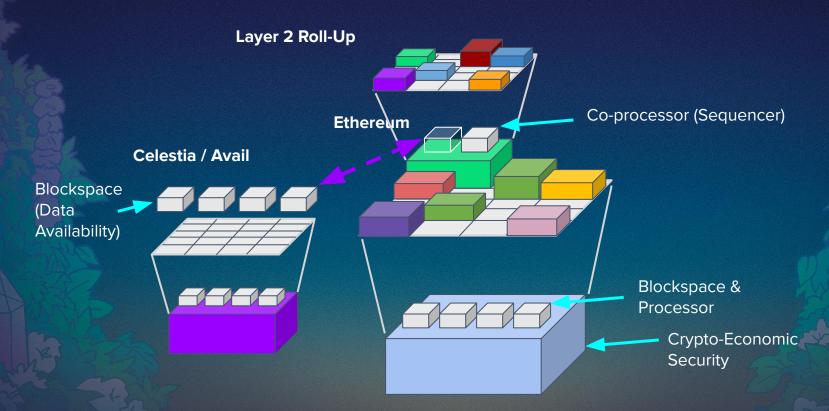
# Paradigm 2: Ethereum POS



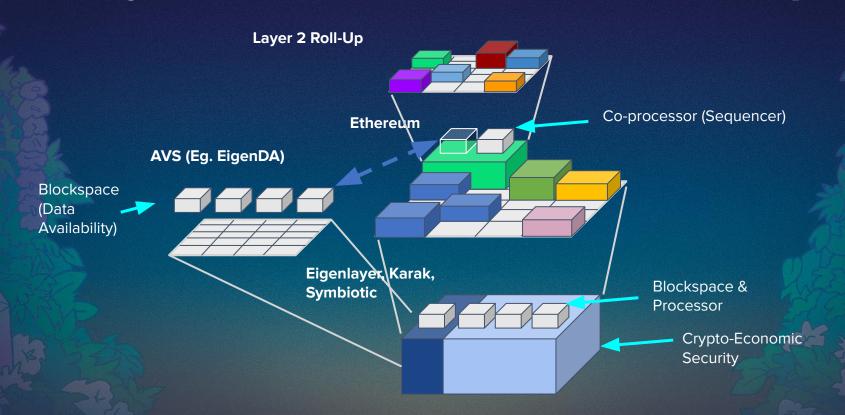
## Paradigm 3a: Ethereum Layer 2 rollups



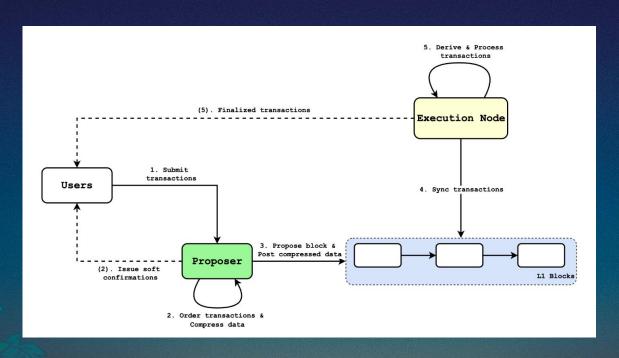
## Paradigm 3b: Ethereum Modular rollups



### Paradigm 3c: Ethereum Modular Restaked rollups



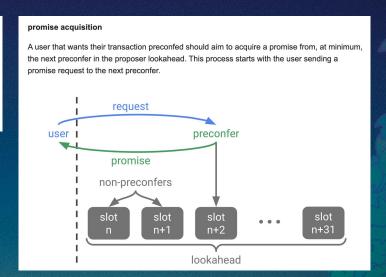
## Paradigm 4: Based Rollup Architecture



#### Paradigm 4: Based Preconfirmations

Based preconfs require two pieces of onchain infrastructure:

- proposer slashing: A proposer must have the ability to opt in to additional slashing conditions. This write-up assumes slashing is achieved with EigenLayer-style restaking.
- proposer forced inclusions: A proposer must have the ability to forcefully include transactions onchain, even with PBS when self-building is non-economical. This write-up assumes forced inclusions are achieved with inclusion lists 166.



Images sourced from Justin Drake, ethresear.ch

