



User Application Layer

UserOperation
(ERC-4337 Tx)

EVM Tx
(Eg. WithdrawalRequest Tx)

Strata Layer

Full Node Network



UserOps
Bundle

Full Node

Execution Layer

Modified Engine API

Orchestration Layer

Bitcoin blocks,
Transactions

Strata blocks,
Transactions

Centralized Services

Sequencer

Prover

Bridge
Operator

Deposit Request Tx,
Deposit Tx,
Bitcoin Blocks,
Batch
Checkpoint

Blocks, Batch Info,
Prev Proof

Aggregate
Proof

Deposit Request Tx,
Withdrawal intents

Batch Checkpoint
(with aggregate proof)

Deposit
Tx Withdrawal
Tx

Bitcoin Layer

Bridge Fund
(N-of-N Multisig
UTXOs)

Deposit Request
Tx