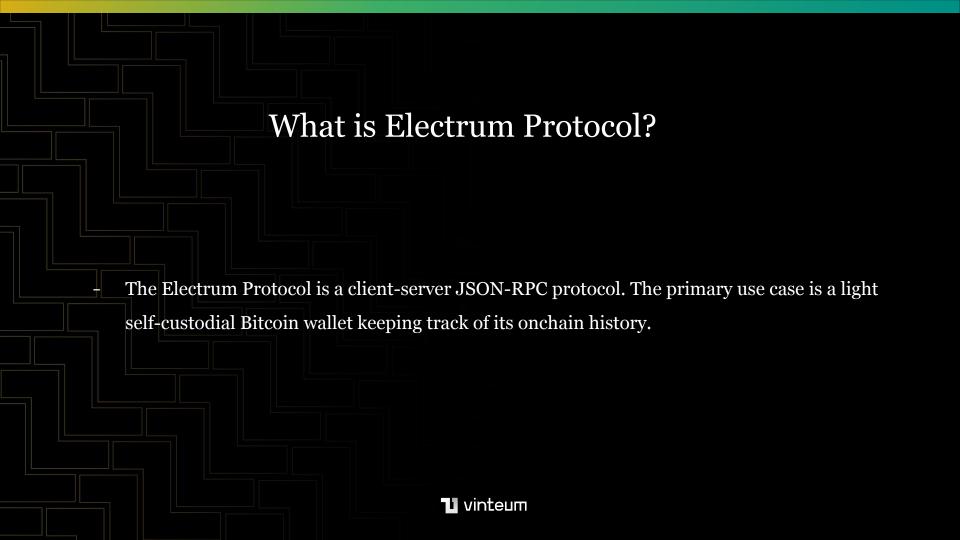
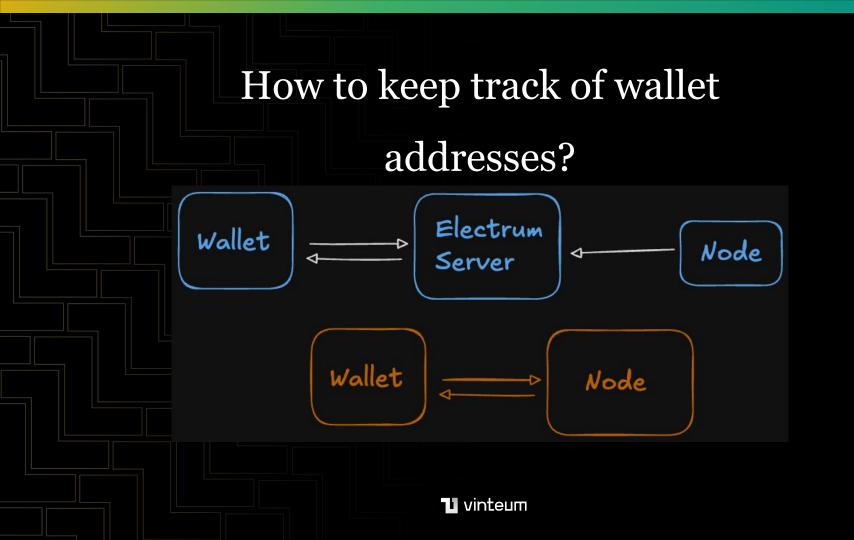
Electrum Protocol





Key-ideas

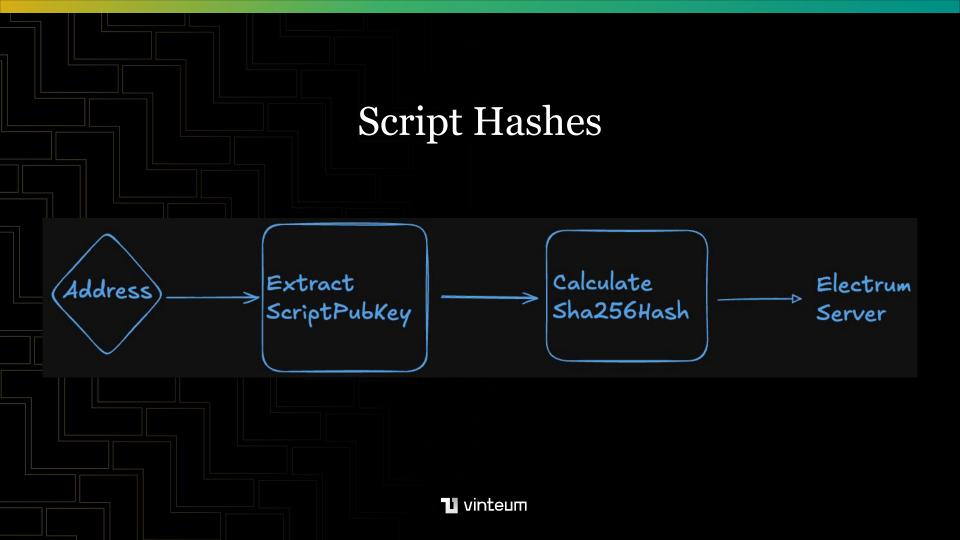
- What? → Client-Server Protocol
- Why? → Interact with a node
- How? \rightarrow Json RPC



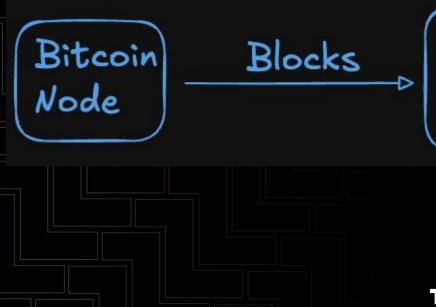
JSON-RPC 2.0

```
Syntax:
                                                                       --> data sent to Server
                                                                      <-- data sent to Client
Javascript Object
                                                                     rpc call with positional parameters:
                                                                       --> {"jsonrpc": "2.0", "method": "subtract", "params": [42, 23], "id": 1}
                                                                      <-- {"jsonrpc": "2.0", "result": 19, "id": 1}
Notation
                                                                      --> {"jsonrpc": "2.0", "method": "subtract", "params": [23, 42], "id": 2}
                                                                      <-- {"jsonrpc": "2.0", "result": -19, "id": 2}
                                                                     rpc call with named parameters:
Remote Procedure
                                                                      --> {"jsonrpc": "2.0", "method": "subtract", "params": {"subtrahend": 23, "minuend": 42}, "id": 3}
                                                                      <-- {"jsonrpc": "2.0", "result": 19, "id": 3}
 Call
                                                                       --> {"jsonrpc": "2.0", "method": "subtract", "params": {"minuend": 42, "subtrahend": 23}, "id": 4}
                                                                      <-- {"jsonrpc": "2.0", "result": 19, "id": 4}
                                                                     a Notification:
 RFC 4627
                                                                      --> {"jsonrpc": "2.0", "method": "update", "params": [1,2,3,4,5]}
                                                                      --> {"jsonrpc": "2.0", "method": "foobar"}
                                                                     rpc call of non-existent method:
                                                                      --> {"jsonrpc": "2.0", "method": "foobar", "id": "1"}
                                                                      <-- {"jsonrpc": "2.0", "error": {"code": -32601, "message": "Method not found"}, "id": "1"}
```





Status



Electrum ___ Server Update Status

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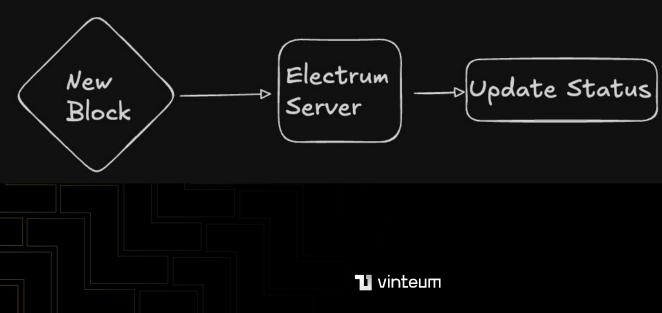
Status STATUS OF A SCRIPT HASH: sha256 hex_string tx1_hash:height100 || tx2_hash:height112...

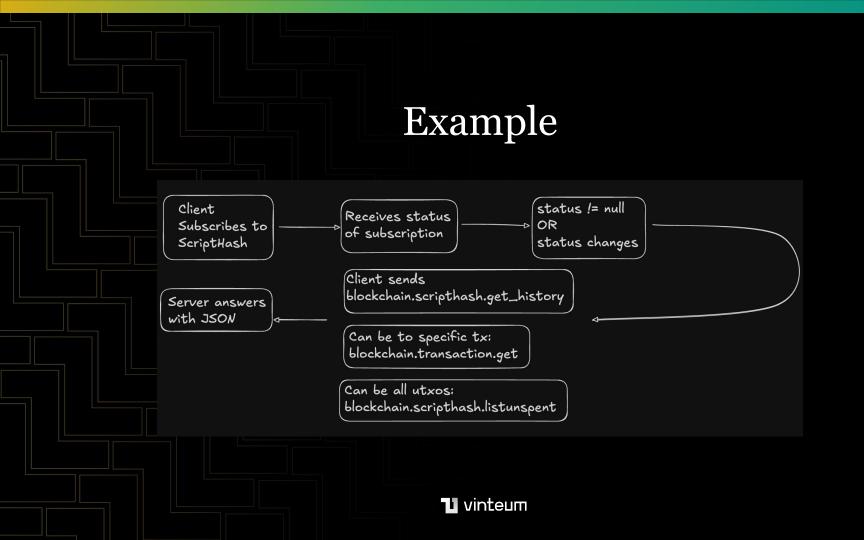
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Status

Notify Clients

What happens when a new block is processed?





Next Presentation: How does it work on Floresta? 🔟 vinteum

Obrigado.



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