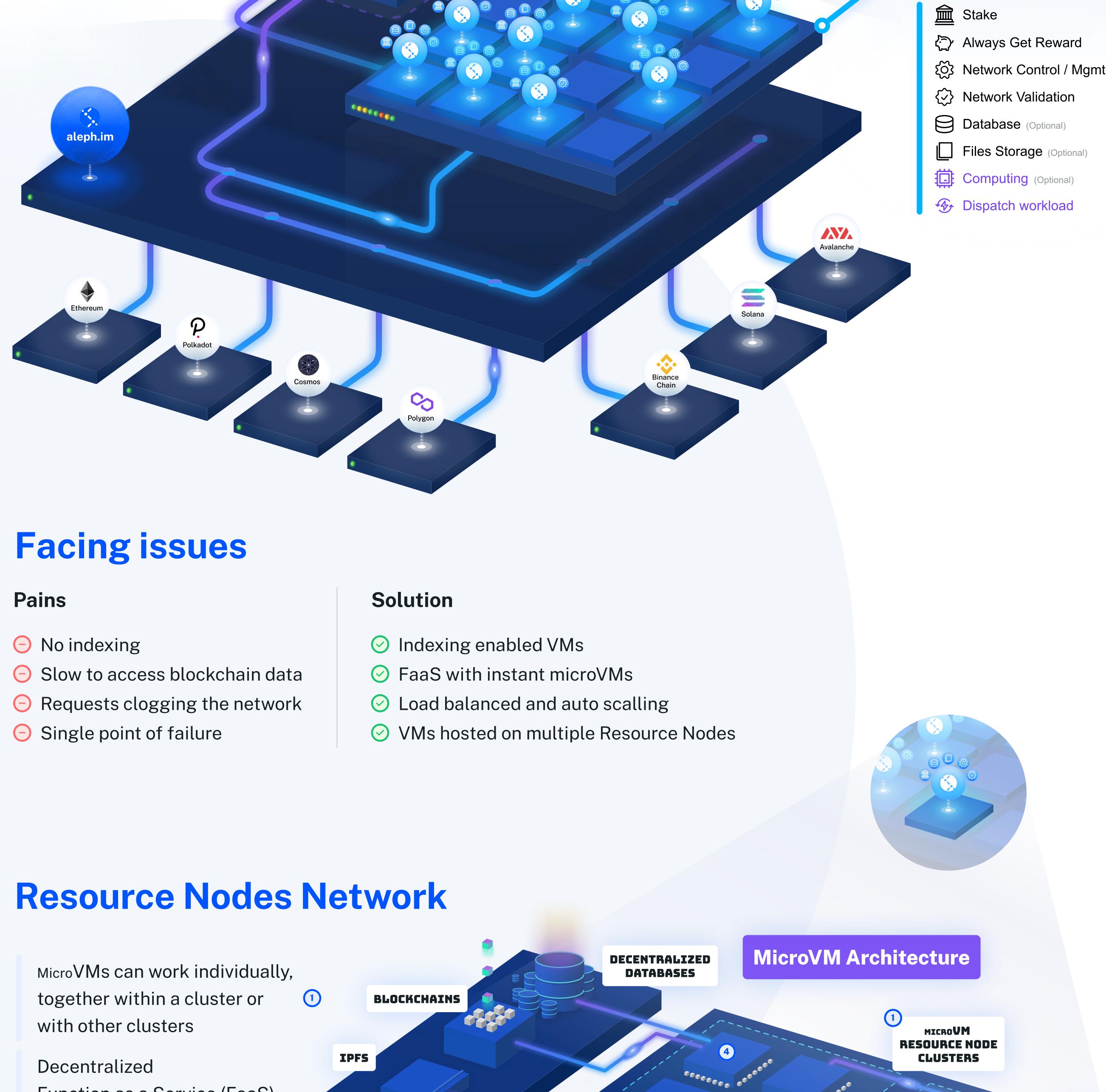


## Aleph.im Decentralized Virtual Machines With Indexing Feature

Aleph.im is a production-ready decentralized storage and computing network. Our company has built solutions for major players like **Ubisoft**, **Polygon**, **Synaps** and **Request** and we are on a mission to help any protocol and DApp decentralize up to the last mile, enabling a smooth transition into Web 3.

Beyond Aleph.im's strong infrastructure layer, we have developed modular components on top of our system that give us a competitive edge in becoming the leading provider of **truly decentralized and user-friendly indexing solutions for blockchains**.



### Facing issues

#### Pains

- ⌚ No indexing
- ⌚ Slow to access blockchain data
- ⌚ Requests clogging the network
- ⌚ Single point of failure

#### Solution

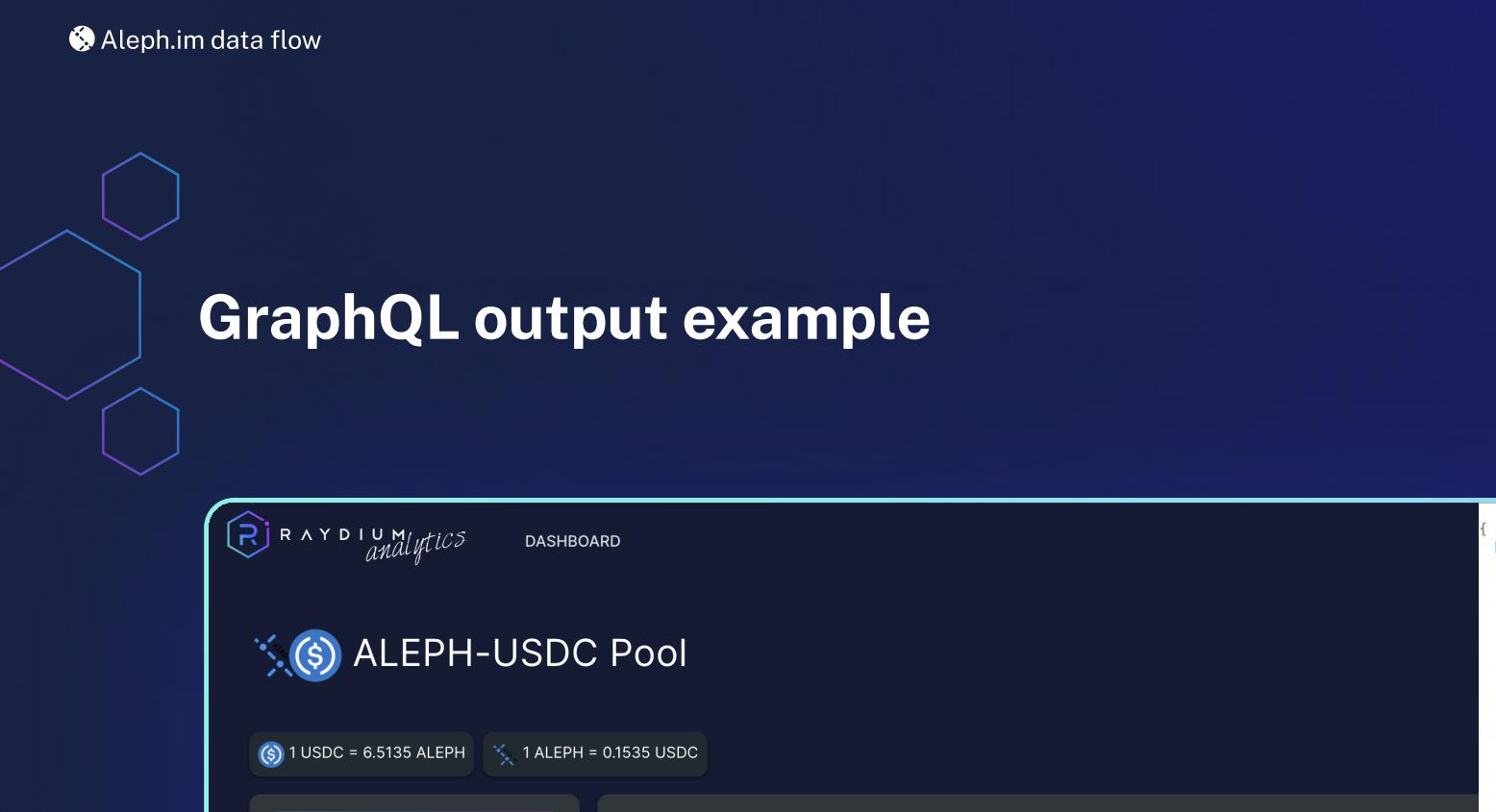
- 🕒 Indexing enabled VMs
- 🕒 FaaS with instant microVMs
- 🕒 Load balanced and auto scaling
- 🕒 VMs hosted on multiple Resource Nodes



### Resource Nodes Network



#### MicroVM Indexing



#### Indexing solution

- ① VM is triggered to launch
- ② Chain indexing runs in the background while the VM runs its task
- ③ Indexing data is stored on the node
- ④ GraphQL front-end for easy data access

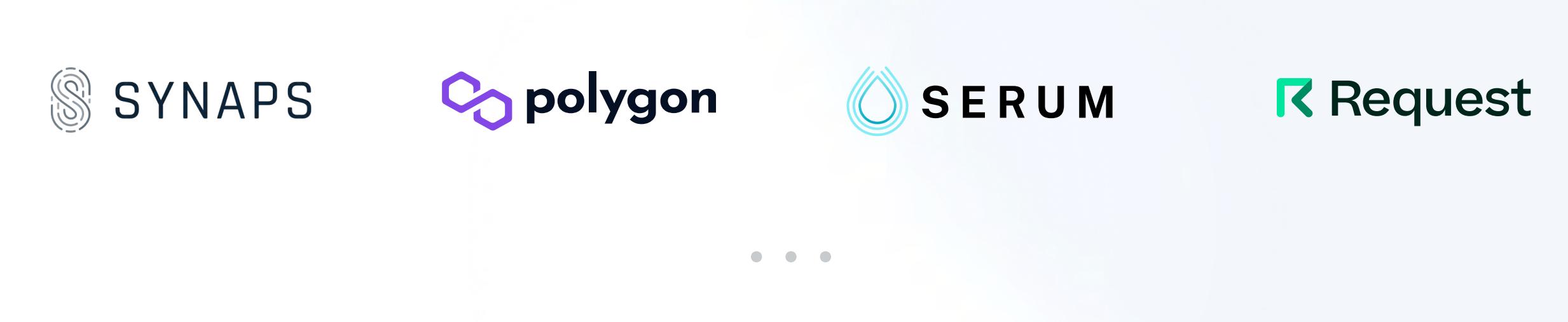
### Raydium.io use cases

#### Using indexing data to create a Raydium dashboard



Aleph.im data flow

#### GraphQL output example



### Our Partners

