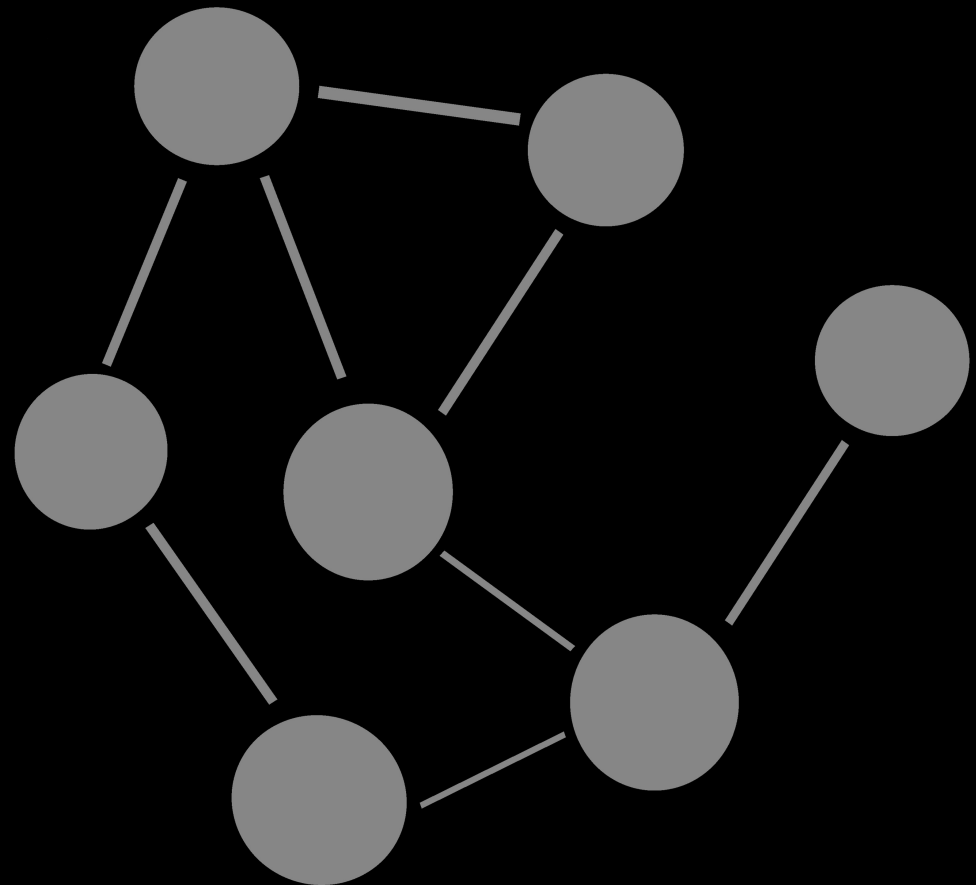EXO-DAO

Peer2Peer Swarm-Searching

Peer 2 Peer:

A **distributed** application **architecture that partitions tasks** or workloads between peers.
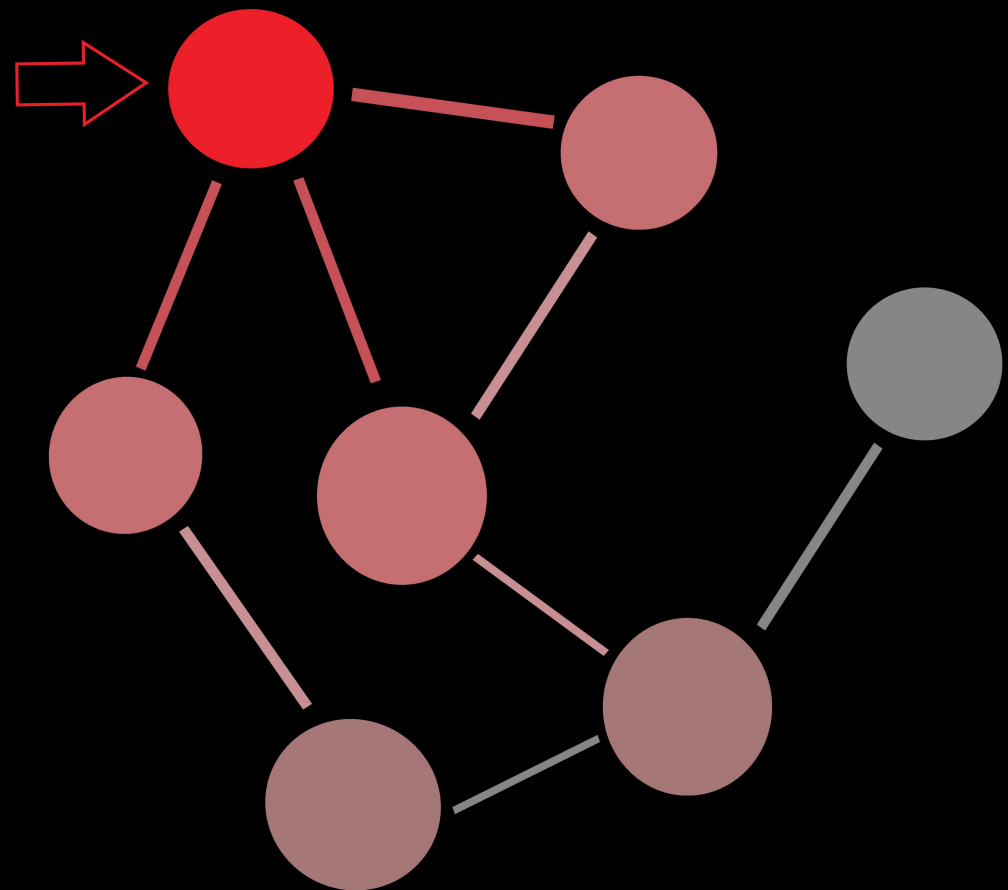
Peers are equally privileged, equipotent participants in the network.

Peer 2 Peer:

A **distributed** application **architecture that partitions tasks** or workloads between peers.

Peers are equally privileged, equipotent participants in the network.
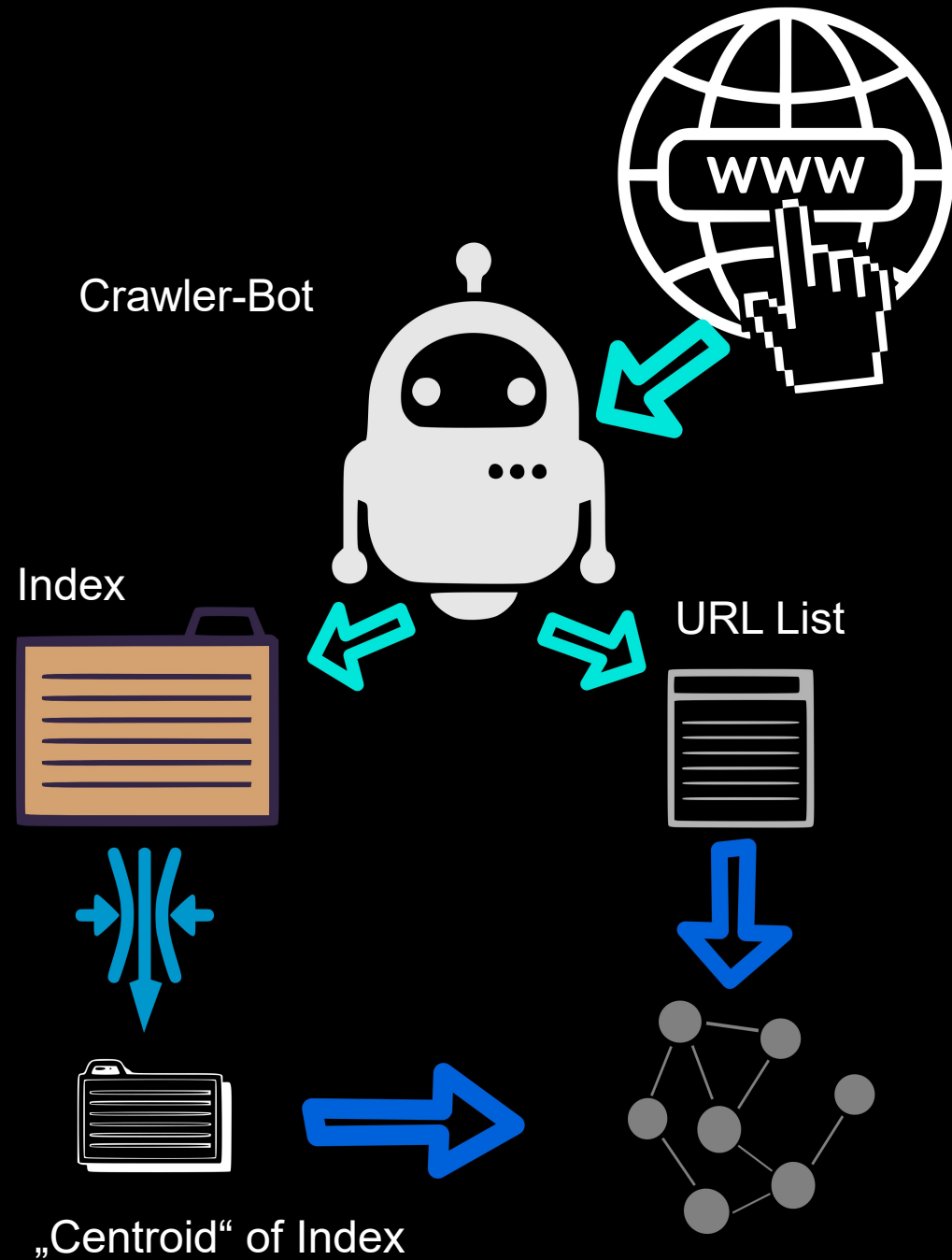
On the Node:

1) **Crawling**

2) **Indexing**

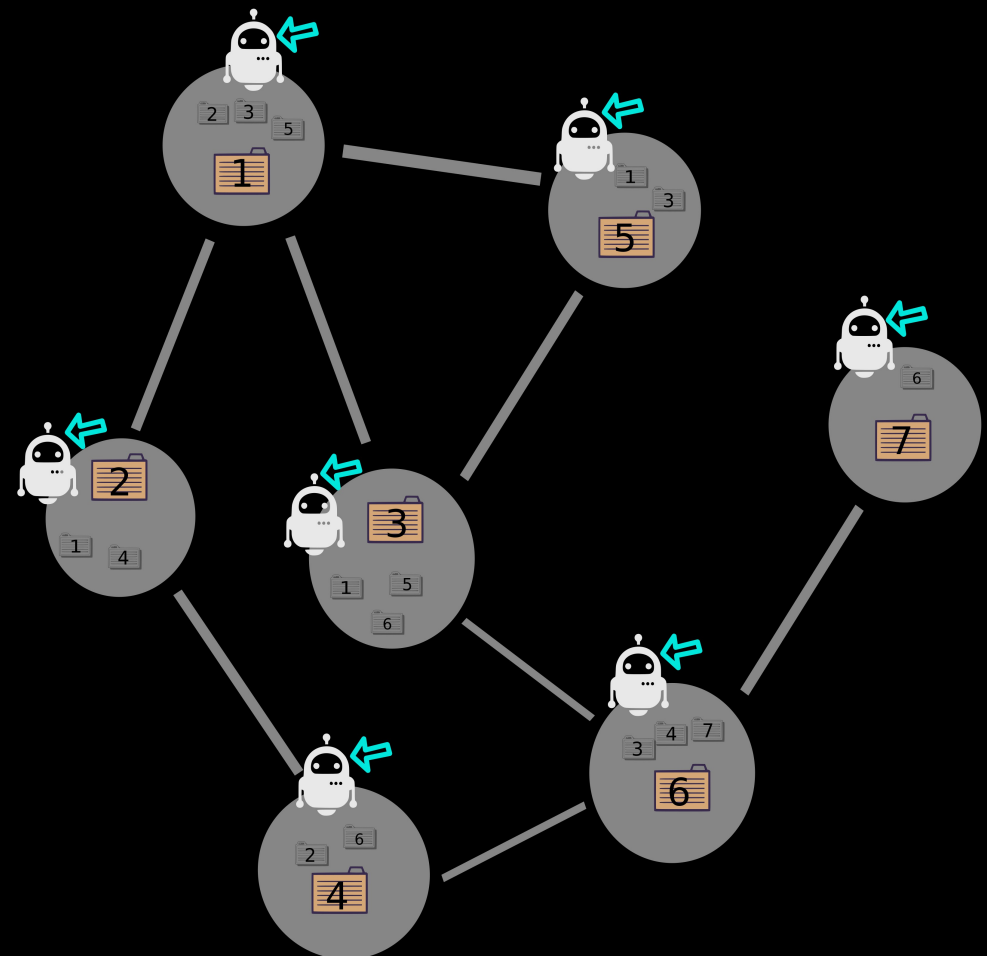3) Searching

Crawler-Bot

Index

URL List

„Centroid" of Index

On the Network:

Crawling workloads split between peers

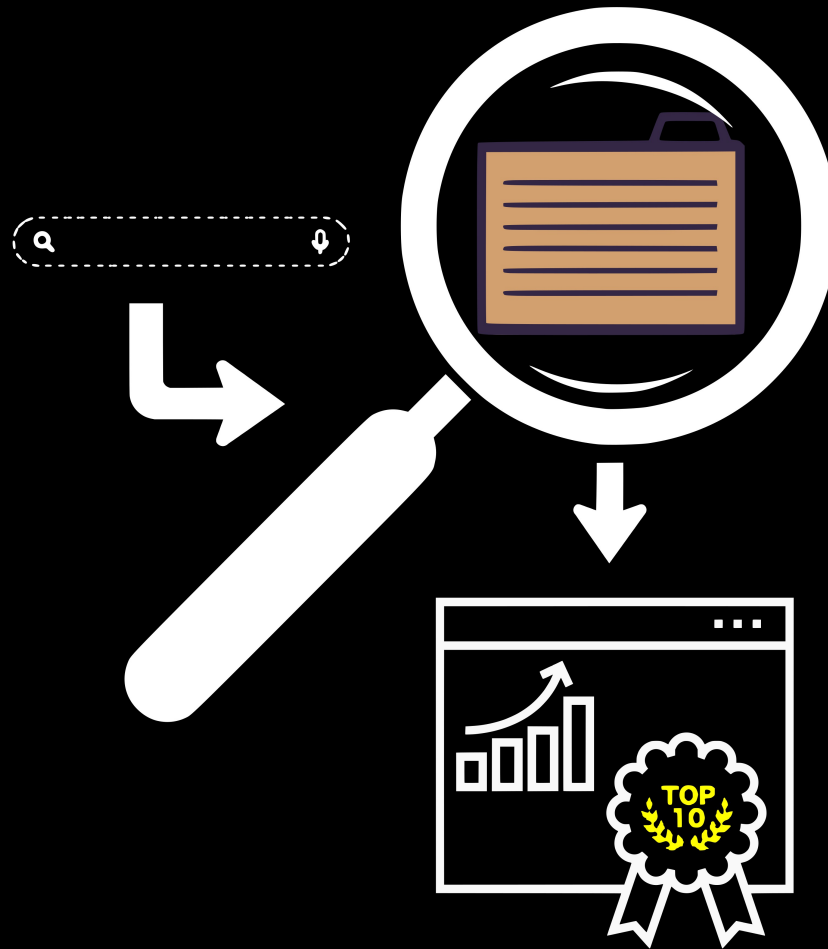More pages added to combined Index by network
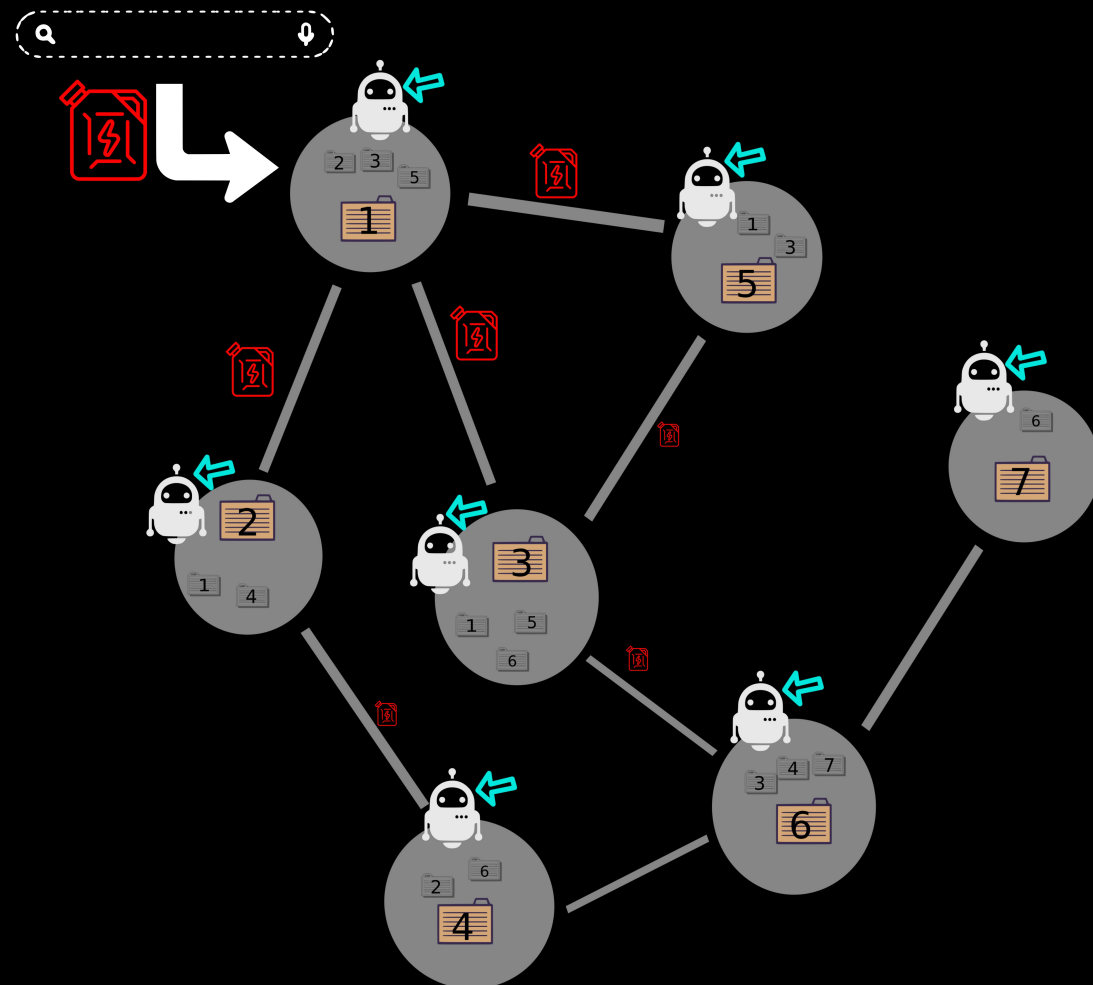
On the Node:

1) Crawling

2) Indexing

3) **Searching**

On the Network:

Query comes with a measure of desired
search effort

Depending on the size of the Index,
effort is „used"

On the Network:

If the ranking is above threshold, send results back to gateway

Possibility for user to save indices for later (faster) searches