



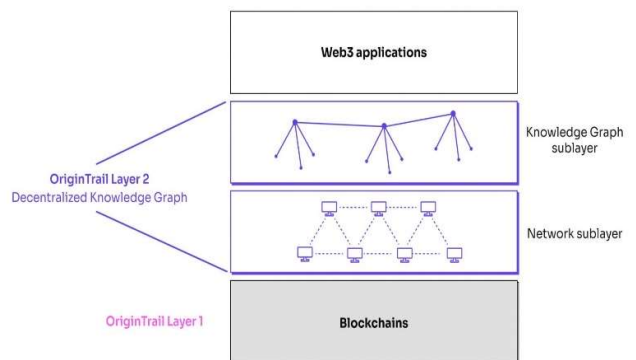
"Organizing humanity's most important assets, making them discoverable, verifiable and valuable"

1. **Origintrail** is a global index of assets, natural and open-source protocol hosting the world's first DKG. End to End info is shared and secured in a fully decentralized knowledge graph network. The ODN (Origintrail Decentralized Network) is the majority of the protocol and it is a P2P decentralized network.
2. **Knowledge Graph (KG)** is an advanced database used by companies like google, amazon, Facebook, etc. Aims to make the most important assets discoverable, verifiable and valuable. They were designed for the analysis of relationships between data to draw useful conclusions. Can show the network effect of entities (physical & digital object/events/concept)
3. **Decentralized Knowledge Graph (DKG)** is a layer 2 open network combining blockchain and KG tech, with the OT node as the core unit of the network for web3 apps. No central authorities are needed.

4. **The basics of the technology behind Origintrail:**

- **OT layer 1 (multi-chain consensus)** – composed of blockchains that enable trusted computation necessary for the decentralized DKG. Has been deployed successfully to multiple chains such as Ethereum, Genosis, Polygon, and lately to Polkadot via parachain.
- **OT layer 2 (Origintrail DKG)** – Asset graphs are supported by Uniform Asset Identifiers and Locators (UAI & UAL) which helps to form a verifiable, interoperable Web3 URL system for Web3-grade assets indexed in the OT DKG.
- **OT Parachain** – Designed to integrate with the Origintrail DKG. Leverages the trust model and interoperability of Polkadot ecosystem projects.

Layer 2: OriginTrail DKG



5. There are 4 main participants in the DKG network:
 - **Asset publisher**- create and update asset graphs, indexing them with specific keywords for discoverability or publishing them on data marketplaces to monetize them. The publishers use \$TRAC to compensate the DKG node runners for ensuring data persistence of their published asset graphs. Can be organizations, individuals, or more generally systems publishing their asset data to the Origintrail DKG.
 - **Asset consumer**- Quarry the DKG to obtain the latest asset data. Depending on the parameters set by the asset owner, they might be required to purchase access to asset data on data marketplaces, for which they can use \$TRAC.
 - **DKG node runner**- Individuals and organizations running Origintrail DKG nodes that host the permissionless network, receiving compensation in \$TRAC tokens for their services
 - **TRAC token holders**- Token holders can delegate their tokens to DKG node runners in exchange for a portion of rewards.

TRAC token Features:

- 2018- ICO completion at a price of 0.10\$ (Raises \$22.5mil)
- ERC-20 token and a max supply of 500 mil
- Pre-mined, non-inflationary