DGT

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DGT is an advanced data platform for the seamless exchange of smart data in complex business environments. Based on decentralized ledger and artificial intelligence technologies, DGT creates a unified information space between distributed data sources.

CHALLENGES WE SOLVE

Exchanging data in digital ecosystems	Building a system of trust	Data security in a complex environment	Integrating users and services	Controlling data quality

SOLUTION

▶ DGT is a digital integration platform for uniting data, services, businesses, and uses.

▶ DGT is constructed using decentralized technologies with the unique F-BFT Consensus mechanism. It is optimized for the corporate environment, supports complex and legacy IT systems, and saves data into a shared graph registry.

▶ DGT uncovers hidden connections within data and facilitates vertical, horizontal and cross-industry integration into effective ecosystems of exchanging value.

HOW IT WORKS

The DGT Network is built on clusters of typical nodes (businesses) that exchange information-transactions. The following rules take place:

- Nodes form clusters (federations) – which are distinct ecosystems, each with its own rules, permission settings, transaction types – but which are all part of the same network

- A node holds a copy of the transaction registry (scalable DAG Ledger); each node may have several clients that generate transactions;

- According to set rules, nodes perform calculations (voting) on the transactions;

- Each cluster may have its own specialized Edge AI module, which works with other modules to create the deep analytics layer. Each cluster may have its own advanced visualization module.

CAPABILITIES

Digital Twins Traceability	Cross-IT System Integration	Deep Analytics	Cross-Product Data	Documentation Tracking	Digital Mesh (AI, IOT) Integration	Unified Source of Truth (Ledger)

ADVANTAGES

TOPOLOGY	F-BFT	DAG LEDGER	VARIABLE TX	HYBRID
Hierarchal, adaptable to any ecosystem	Consensus is infinitely scalable and secure	Much more effective than block architecture	DGT can process any digital value or data	Permission rules (public / permissionless, etc.)

MODULAR	ANCHORED	OPEN SOURCED	INTEGRATIVE	ANALYTICAL
Flexible divergent architecture	Backed & secured with pre-existing large economic systems	Growing community of motivated developers	Array of API and other tools to bridge to legacy and digital mesh tech	Deep analytics facilitated by Edge Artificial Intelligence