HCLTech | Supercharging Progress™

ECCO
Enterprise Connectivity and Collaboration

The presence of numerous functional units is increasing the complexity within modern enterprises, requiring indigenous IT systems for autonomous business. The various domains of IT systems use the tools best suited for them, resulting in heterogeneous applications. The fragmented nature of these systems and applications poses challenges in building traceability across the domains due to lack of unified data model. Consequently, value creation and capture occurs in different functions with a latency.

Challenges across the functions of organizations are -

| Process and system boundaries | Digital discontinuity across ISV solutions or platforms | Data warehouses/lakes where the context is vanished | Data representation in non-standard ways |

"ECCO : Enterprise Connectivity and Collaboration" is Digital Thread building solution that enables and accelerates realization of the Digital Thread vision for enterprises using heterogenous application. It enhances traceability by assessing underlying system data sources, identifying broken continuity and building federated data and security

Solutions powered by ECCO

MBSE360
Enabling users to build the traceability across different data elements within MBSE without leaving their favorite authoring tools

Supplier360
Enabling OEMs to monitor and track the delivery schedules, ensure quality through success rate of **'supplier enhancing program'**, and compare supplier's track record to create proven supplier metrics for optimizing the supply chain

Features

Standards based global ontological model

Semantic mapping between global and local schema

OOTB Adapters for Teamcenter, Windchill, RDBMS, OSLC

Low-code/No-code dashboard building framework

Role based dashboards

Action Template (declarative flows) for complex data manipulation

Federated data, no data duplication

Native UI in authoring Apps (Cameo, Teamcenter, Polarion)

Benefits

Hybrid deployment

- Better accessibility with deployment on cloud and/or on-premise

Implicit and Explicit Thread building

- ECCO can identify implicit digital threads and support building and persisting extrinsic Digital Threads

Fast processing

- Root cause analysis in case of failure with end-to-end traceability of information

Standards based Global Schema

- ECCO delivers standards-based schema relying on industry standards like AP242, ISA 88/95, SysML2.0, ReqIF etc.
- Customer can extend the OOTB delivered schema using Schema Designer

Single framework delivery

- Digital Thread integrating operations of all the functions
- Co-existence and reuse of assets, Composite Applications, Data Aggregation, Data Services
- Provides visibility and traceability across information silos