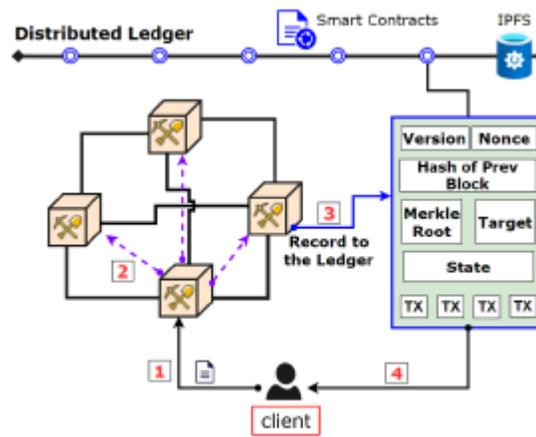


IntelloT component available for OC #2 integration - Details

Name	DLT
Responsible partner(s)	Aalborg University (AAU)
Brief description	A distributed application (DApp) that provides a trustworthy storage and transmission of core data within the entire system. DLTs and associated enablers are developed within Task 3.4 and Task 4.4 ("Trustworthy infrastructure by design"), as DLTs are a core part of the trust-by-design approach within the IntelloT framework.



Interfacing (I/O)	To interface with different modules, the local module implementation would need to employ a DLT client. It is a piece of software that interacts with the DLT network and would thus need some way of transferring the data to the DLT client via a local informational link (.json .csv or some form of proprietary API). The client can be lightweight and rely on full nodes for many operations, from requesting the latest headers to asking for the balance of an account.
Main interactions	DLT clients and DLT managers have access to the entire blockchain. DLT lightweight clients typically only download just enough DLT data to process and verify new transactions, and so their computational workload is minimal. Also note that full DLT generally represent large quantities of data.
Deployment	The DLT Manager and clients are Dockerised. The DLT clients are python scripts that need to have a simple set up to gather the module's values.
Licensing	Proprietary
Deliverable references	Please refer to deliverable D2.6 - "High level architecture (final version)" , for more details regarding interfacing with the rest of the architecture & deliverable D3.4 - "Decentralized trust via secure interaction and contracts (first version)" , for more details on the design and development of the DLT.

