

2.1.6 Enterprise View

[return to Stakeholders View](#)

Enterprises roughly map to an Ecosphere; however, the Enterprise does not necessarily control the Ecosystems, Platforms or Domains it now encompasses. From a DIDO perspective all the ancillary data (i.e., external data) is accessed through the use of an Oracle. There can be any number of Oracles available to the node within a Domain; these Oracles can access data from centralized, decentralized or other DIDOS. Some examples of Oracles¹⁾:

- Another Domain within the same Ecosystem
- Documents
- Relational databases
- NoSQL databases
- Flat files
- Web Services
- Application Services
- Event logs
- Retail transactions
- Bank account records
- Stock market streams



Figure 1: Oracles

One very important aspect of an Enterprise with DIDO implementations is the heavy reliance on computer networks. These networks span all kinds of devices and operate in all kinds of environments, many of which rely on Disadvantaged Intermittent Links (DILs). Some examples are: nodes on mobile devices such as cell phones; submarines that are out of contact for long periods of time, nodes hit by natural and/or man-made disasters such as storms, earthquakes or fire; devices that go to sleep to save power.

¹⁾

This term should not to be confused with the DBMS product from the Oracle Corporation but merely as a term referring to something that is a good source of information.

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