

Integrating Information based on brain structures for assessment and optimising

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Collating data to create information and knowledge is time consuming. In the Operations environment the requirement to access information from multiple data sources is critical for decision making across a diverse set of issues - from commissioning to stable operations to engineering upgrades.

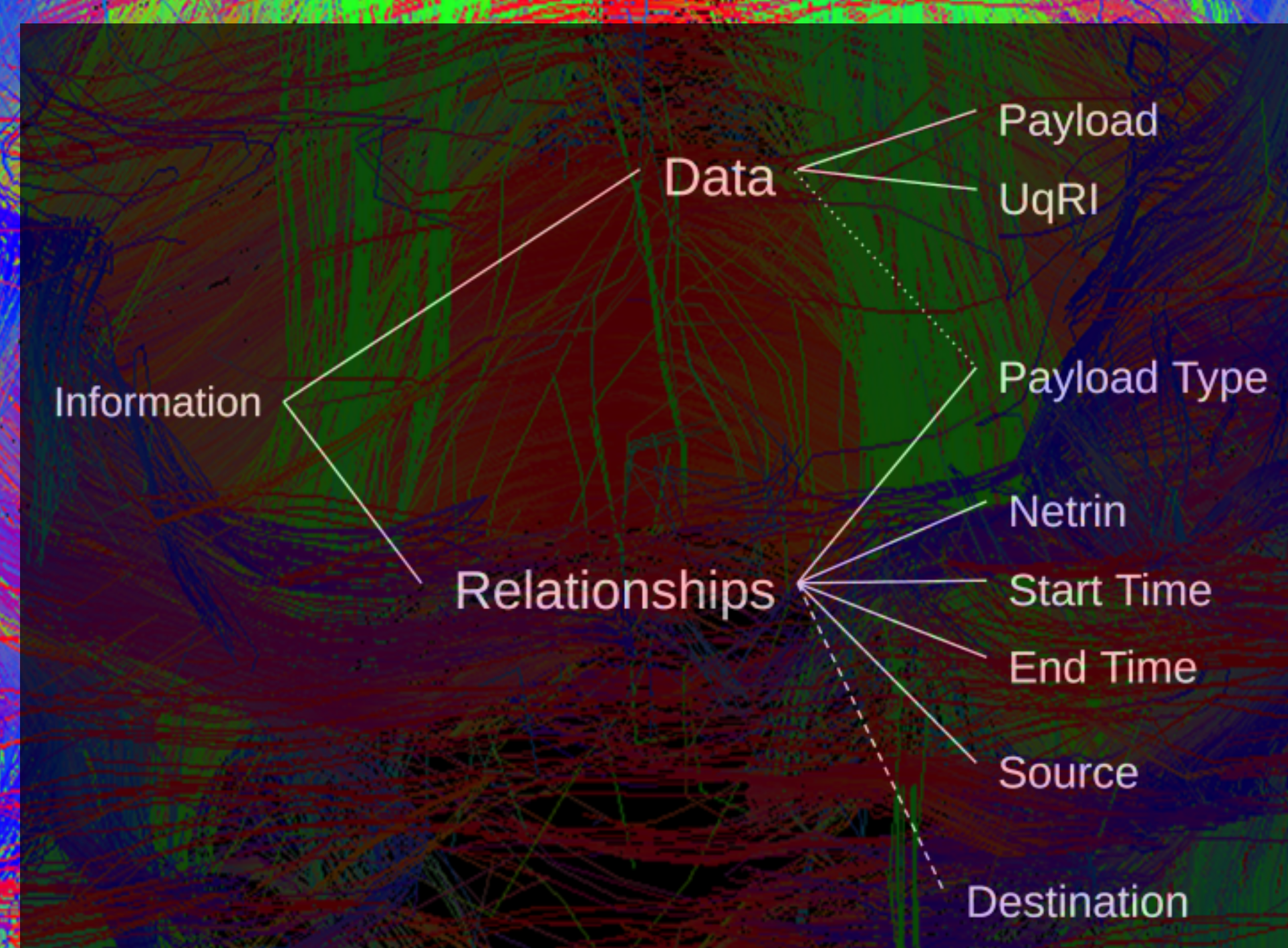
This has driven the need to access data from disparate data sources in a cohesive and coherent manner. We present a novel way of structuring information - designed to serve operational needs.

It places the onus on the data source to pre-wrangle the data before providing the information to the framework (alternatively a wrapper to the data source must be developed).

The information structure is based on netris - protein tags that guide neuron growth such that information can get to where it is required.

The information structure is an application and technology independent - that solves for the integration of data sources, for discovery and analysis, and cross schema/organisation information exploration and integration.

It is based on the principle of a single source of data, but integrates both centralised (data-lakes) and decentralised data.



Application development can be data agnostic - and configured on tags (Netrins, payload types) of interest.

Information transfer between different "naming-schema" / "ontology" domains is achieved by gateway translation nodes. That translates netrins dependent on the source of the message.

