

## **The Datore Data Analytics Platform**

Datore provides clients with their choice of a completely managed Data and Analytics service or the option to license and run themselves with just our assistance in support and/or enhancements and development. In order to provide this service, we recommend the following products, although others can be utilised should this be preferred or appropriate to our specific client's needs:

**Cloud Infrastructure** – Datore recommends the use of Amazon Web Services (AWS) for its cloud hosting infrastructure this is based upon 4 primary drivers:

1. Scalability – AWS provides a very comprehensive choice of environments for bot resizing and on demand scalability of its service.
2. Security – AWS provides a managed secure environment to ensure data security and prevention of hacking or malicious attack
3. Cost – AWS is very cost effective given the availability of different infrastructure types and service offerings at very competitive market prices
4. Flexibility – AWS provides a for a variety of server options, operating systems, database alternatives and support options to suit any of our clients requirements

**Database Application** – Datore provides services within the following database frameworks in order to scale client applications effectively and efficiently, MySQL, MS SQL, MongoDB and RedShift. This allows us to start a customer journey that is simple, cost efficient and effective but then to still scale these seamlessly when this becomes appropriate.

**Analytical Database, Extract, Load & Transform, Visual Analysis and Data Analytics** – Datore recommends Sisense as its preferred data transformation, analysis and visualization tool as it is a Gartner leading, cost effective, FULL STACK platform. Whilst it is possible to separate these functions and provide them as either different product types or through a single source supplier such as Microsoft it is a far more costly proposal, that should only really be considered for specific use cases. The use of a single point visualization tool such as PowerBI or Tableau is a viable option when data analytics or data drill through is not critical to the client's needs.

**Machine Learning, Artificial Intelligence and Natural Language** – Datore provides this functionality based upon client requirements and specific needs using either existing functionality or developing to specific client requirements.

**Basic Illustrated Overview**

