DATA SEMANTICS
BETTER INSIGHTS SMARTER DECISIONS

A Data Science Company

SQL
Environment
Assessment

&

Supporting
Services

Why is an assessment of your SQL Environment important ?

Most organizations are constantly growing, changing and evolving, and it is very easy to miss inculcating these changes into their SQL environment.

An SQL Environment assessment is not limited to gathering data on number of servers, RAMs, CPUs, configurations etc., but involves looking at the environment as a whole and the whether the current setup is meeting business needs or not.

A proper SQL Environment assessment done by data experts will measure the aforesaid but will also look at each server's performance and security, CPU/ RAM utilization, top waits, i/o latency, job schedules, backup intervals, connections, data redundancy, query execution times etc. This will help in identifying issues which you might not be aware of. These issues might be related to server configurations or database designs, and can be rectified following best practices.

SQL Environment Assessment & Supporting Services

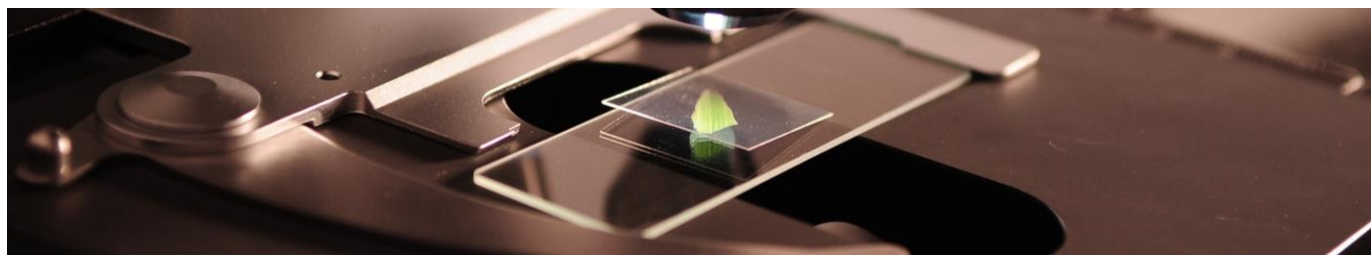### SQL Environment Assessment Report

Our data experts will analyze your SQL Environment on multiple parameters and present you report detailing, current issues, solutions and strategic road map for upcoming and future needs. These recommendations are further supported by our **Supporting Services**.

Performance Tuning

The goal here would be to improve system response time without changing the system or upgrading its configuration.

Data Semantics believes in attacking this problem on many fronts,

- Application Tuning
- Memory & Disk I/O tuning
- Code Optimization
- Configuration Optimization
- Caching Strategy
- Load Balancing

Data Modeling

Our Data experts based on the assessment provide organizations with customized, business specific solutions and create effective data models to meet current and future needs. Our experts use both tool based and manual methodologies to create new and enhance existing data models to deliver business value.

- ER Modeling
- Dimensional Modeling

Architecture Design & Implementation

Having worked with over a 100 organizations of varied sizes, we can expertly guide your organization to a data architecture, that can be either, On premise, On cloud or Hybrid, depending on business needs and cost optimization considerations.

Upgrades   – from older to new versions
Migrations   – from non SQL to SQL and On Premise to Cloud
Optimization – Licenses ,Subscription and Tool usage

Database Administration

In todays world, some of the most critical components of an enterprise's IT are database and application infrastructure. Organizations are facing continuing challenges in managing complex and changing requirements while meeting business needs for round the clock performance and accessibility.

Data Semantics' team of experts have deep process and technical expertise to act as or augment your inhouse IT team and deliver business value from day one.
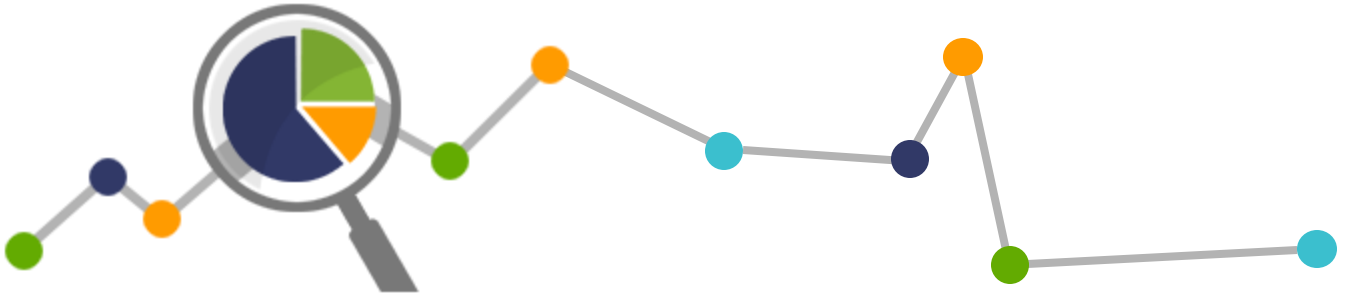
Installation
Configuration
High Availability Solutioning
Disaster Recovery Strategy and Execution
Fail Over Clustering

Data Semantics is a Data Science company founded in 2012 and headquartered in Bengaluru India with branch offices in Hyderabad, India, Sharjah, UAE and Seattle, USA.
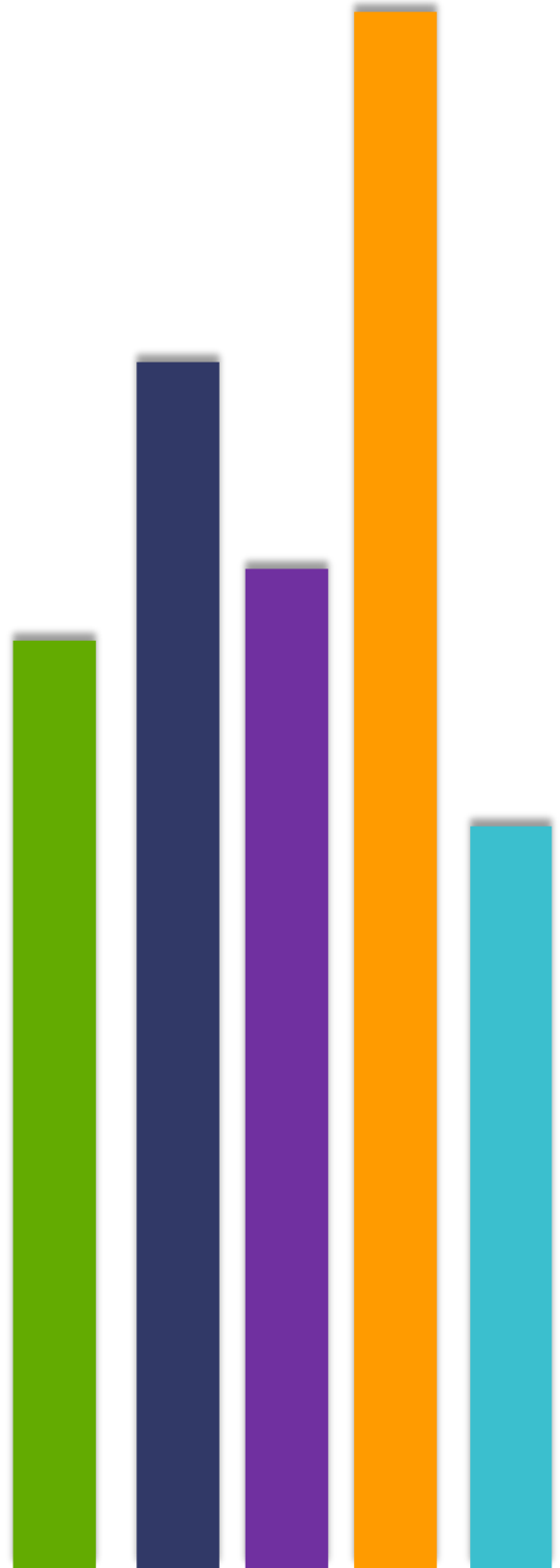
Why Data Semantics ?

Our Vision is to empower every organization to harness the full potential of its data assets and our Mission is to enable our people to learn the art of data management and visualization to help our customers make quick and smart decisions.

Better Insights, Smarter Decisions

We as an organization are the combination of five Centers of Excellence

- Data Engineering – ETL Tools / DW Modernization, DW Appliances, SQL, NO SQL, Data Lake, Cold Storage, On Premise / On Cloud
- Data Visualization – Self Service BI, Mobile BI, Custom Visuals, Embedded BI, Narrative Science, Natural Language Processing, Integration with Machine Learning Tools
- Advanced Analytics – Predictive/Prescriptive Analysis, Machine Learning, Deep Learning, Artificial Intelligence, Neural Networks, Voice to Text, Video Analytics
- Internet of Things – Network Vision, Things/Hardware Vision, Semantic Vision, Application
- Robotic Process Automation & Augmented Reality – Chat Bots, AR Applications

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Comprising about 150 people including, Business Analysts, Data Scientists, Data Engineers, Visualization Experts, Domain Experts, Project Managers and Administrators

By combining the right mix of people with technical knowledge, industry understanding and artistic capability, we can support organizations in planning and implementing the right strategy for success.

Guided by our mantra, 'Better Insights, Smarter Decisions', each member of our team brings to the table, a unique set of capabilities and a passion for working together to turn data into actionable insights.

The business decisions, ROI and cost savings enabled by these insights are a tangible reflection of the value we add.

We employ time tested methodologies and processes to transform your Data Science Strategy into a living breathing tech entity, that we manage to provide you with valuable insight, without losing focus of your core business.

We achieve this by leveraging our expertise to answer questions like

- What data models to deploy based on industry, application, departments and functions?
- What type of Data Warehouse / DataMart schema best suits the business asks?
- What type of storage platforms to choose, like SQL, No SQL, Data Lake, Warehouse Appliances etc.?
- What data set on what storage platform?
- What are the Data Quality, Data Governance, Master Data and Meta Data strategies?
- What Visualization tools to use, like QlikView, Tableau, Power BI, Cognos, etc.?

We at Data Semantics also understand the need to be at the edge of technological advances in our domains, as our customers are depending on us to keep them modernized, hence our work culture is very conducive to continuous learning, we support our team by initiating / facilitating ...

- R&D and enablement through centers of excellence

- Industry Accredited Certifications

- Subscriptions to Business Journals, Magazines and Newspapers

- Engagements on Social Media with Industry Experts, Domain Experts and Industry Groups

- Keep a keen eye on industry trends by subscribing to paid research reports by renown entities like Gartner etc.

- Take advantage of free trainings, schedule internal training and paid training by industry experts

A large volume of our project experience has been exclusively designing data warehousing strategies and visualization strategies for a multitude of environments.

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Our Microsoft competencies

Visualization Tools

Data Science Tools

ETL, Databases & Connectors

Data Warehouse Appliances

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Our Microsoft competencies cont...

Machine Learning, AI & IOT

Azure Streams

Cortana

Azure IOT Hub

Azure Machine Learning

Our global presence

Regional HQ and R&D at Seattle, USA

Canada operation from US

Satellite Sales & Development office at Netherlands

Qatar, Oman, Bahrain & Kuwait operation from Regional HQ UAE

Sales & Development office at Hyderabad

Bengaluru HQ

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