GLOBAL COMPUTING & TELECOMS

infinite solutions, infinite possibilities

Data Visualisation Jumpstart

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1 Data Visualisation Jumpstart

We are proud to offer our Data Visualization Jumpstart, a structured and accelerated program designed to help your organization quickly implement business intelligence (BI) solutions using Microsoft's cutting-edge technologies. Our expertise in Power BI, Azure Synapse Analytics, and the Microsoft Data Platform enables businesses to seamlessly transform raw data into actionable insights, empowering data-driven decision-making at every level.

Why Choose Our Microsoft-Powered Data Visualization Jumpstart?

✓ **Custom Power BI Dashboards & Reports:** We design interactive, visually compelling dashboards tailored to your business needs, ensuring that complex data is presented in an intuitive and actionable manner.

✓ **Seamless Microsoft Integration:** Our service ensures smooth connectivity with Microsoft 365, Azure SQL, Dynamics 365, SharePoint, and other Microsoft business applications, providing a unified data experience.

✓ **Automated Reporting & Real-Time Insights:** Reduce manual reporting efforts with automated, dynamic reporting that keeps your team informed with the latest business insights.

✓ **Self-Service BI Enablement:** Empower your teams with Power BI self-service capabilities, allowing users to explore data independently and make informed decisions without IT dependency.

✓ **Data Preparation & Transformation:** We streamline data extraction, cleansing, and modeling using Azure Data Factory, Power Query, and SQL, ensuring your reports are accurate and reliable.

✓ **Scalable & Future-Proof Solutions:** Our solutions are designed to grow with your business, ensuring scalability and performance as your data landscape expands.

✓ **Security & Compliance:** We implement Microsoft's best practices for data security, governance, and compliance (GDPR, POPIA, ISO 27001) to protect your business data.

✓ **Training & Knowledge Transfer:** We provide hands-on Power BI training and workshops, ensuring your team is equipped to maximize the value of your investment.

Transform Your Data into a Strategic Asset

At GCT, we understand that unlocking the full potential of your data requires the right technology, expertise, and strategy. As a trusted Microsoft Partner, we are committed to helping businesses harness the power of Microsoft's data ecosystem to drive efficiency, improve decision-making, and accelerate growth. We invite you to take advantage of our Microsoft-powered Data Visualization Jumpstart. Contact us today for a free consultation and a customized proposal, and let us build a scalable, future-ready data strategy together!

1.1 Problem Statement:

Many organizations struggle to harness the full potential of their data due to fragmented data sources, manual reporting processes, and limited access to real-time insights. Disparate systems create data silos, making it difficult to consolidate and analyze information efficiently, while reliance on outdated or manual reporting leads to delays in decision-making and missed opportunities. Complex data models and a lack of business intelligence (BI) adoption hinder organizations from leveraging their data effectively, resulting in operational inefficiencies and reduced competitiveness.

Furthermore, businesses face increasing security and compliance challenges, requiring data governance frameworks to ensure regulatory adherence. Without scalable and well-integrated data visualization solutions, organizations risk falling behind in today's data-driven world. Global Computing & Telecoms' Data Visualization Jumpstart Service addresses these challenges by providing a structured and accelerated approach to integrating, visualizing, and analyzing data, empowering businesses to make smarter, faster, and more informed decisions.

1.2 Who Needs a Data Visualization Jumpstart?

- Businesses struggling with manual, time-consuming reporting**.**
- Organizations looking to gain insights quickly from scattered data sources**.**
- Teams requiring real-time, dynamic dashboards for operational decision-making.
- Enterprises transitioning to self-service BI for improved analytics adoption.

1.3 Benefits:

- **Faster, Data-Driven Decision-Making** – Gain real-time insights through interactive dashboards and automated reporting, enabling your organization to make faster, more informed decisions.
- **Seamless Data Integration** – Connect and unify disparate data sources from ERP, CRM, cloud databases, and business applications into a single, centralized reporting platform.
- **Improved Efficiency & Automation** – Eliminate manual reporting processes with automated dashboards and scheduled reports, reducing errors and saving valuable time.
- **Enhanced Business Intelligence (BI) Adoption** – Empower employees with self-service analytics using Power BI, allowing teams to explore data independently without IT dependency.
- **Scalability & Future-Proofing** – Built on Microsoft Azure's scalable infrastructure, our solutions grow with your business, handling increasing data volumes effortlessly.
- **Data Accuracy & Reliability –** Improve data quality, consistency, and reliability with structured data models, ensuring stakeholders have access to accurate insights.
- **Cost Optimization** – Reduce operational costs by streamlining data workflows, eliminating inefficiencies, and leveraging Microsoft's cloud-based analytics to minimize infrastructure overhead.
- **Personalized Dashboards & KPIs** – Customize dashboards to align with business objectives, tracking key performance indicators (KPIs) that drive growth and performance.

- **Expert Training & Support** – Our Power BI and Azure experts provide hands-on training, knowledge transfer, and ongoing support, ensuring your team maximizes the value of the solution.

1.4 Technologies:

Global Computing and Telecoms can provide managed support services for Microsoft Azure technologies that provide various benefits such as collaboration, security, advanced analytics, AI capabilities, and data compliance. Some of the Microsoft Azure technologies that can be supported through a managed services contract are:

- **Microsoft Power BI**: It is a business intelligence and data visualization platform which allows organizations to connect to various data sources, transform and model the data, and create interactive visualizations and reports
- **Azure Synapse Analytics**: It is an analytics service that brings together big data and data warehousing capabilities and allows organizations to ingest, prepare, manage, and serve data for immediate business intelligence and machine learning needs.
- **Azure Machine Learning**: Azure Machine Learning is a cloud-based service that simplifies the process of building, training, and deploying machine learning models.
- **Azure Cognitive Services**: Azure Cognitive Services offers pre-built AI models and APIs that enable organizations to add intelligent capabilities to their applications without extensive AI expertise.
- **Azure Data Factory**: Azure Data Factory is a fully managed data integration service that allows organizations to orchestrate and automate the movement and transformation of data from various sources to data stores and analytics systems.

1.5 Deliverables

GCT's Data Visualization Jumpstart Service is designed to provide a structured and efficient approach to implementing business intelligence (BI) and data visualization solutions. Our deliverables focus on ensuring data accessibility, usability, security, and advanced analytics capabilities, allowing organizations to maximize the value of their data. Through this service, Global Computing & Telecoms (GCT) will help your organization unlock actionable insights by delivering the following:

1. **Workshops**
   We will provide educational, hands-on workshops to equip your teams with the necessary skills to effectively utilize Microsoft's Power BI and other visualization tools. These sessions will focus on best practices, data storytelling, and report automation to ensure that data is presented clearly and drives strategic decision-making.
   The Workshops include:
   - Power BI Hands-On Workshop

The objective of this workshop is to enable your organization to develop interactive reports and dashboards, ensuring that decision-makers can extract insights quickly and efficiently.

- **Workshop Activities:**

  - Introduction to Power BI – Understanding key features and how it fits into the Microsoft ecosystem.
  - Data Modeling Best Practices – Designing efficient data models and creating relationships between tables.
  - Advanced Analytics & Visuals – Using DAX calculations, custom visuals, and AI-powered insights for deeper data analysis.
  - Optimizing Performance for Large Datasets – Ensuring reports load quickly and efficiently manage high volumes of data.
  - Power BI Governance & Security – Implementing data access controls, row-level security, and compliance measures.

- **Data-Driven Decision-Making Workshop**

  This workshop will help business leaders and analysts interpret dashboards, define KPIs, and leverage analytics for decision-making.

  Workshop Objectives:

  - Understanding key BI metrics and their impact on business performance.
  - Learning how to identify trends, patterns, and anomalies in data.
  - Defining organization-wide reporting standards and visualization best practices.

2. **Data Assessment & Strategy Development**

   To ensure successful implementation, we will assess your organization's current data landscape, identify gaps, and recommend best practices for effective visualization and analytics adoption.

   The Assessment Deliverables include:

- **Stakeholder Alignment**: Engage business and technical teams to understand reporting needs and strategic goals.
- **Data Source Evaluation**: Review existing ERP, CRM, cloud, and database sources to assess connectivity, data quality, and integration feasibility.
- **Visualization Strategy Roadmap**: Develop a customized Power BI implementation plan aligned with business objectives.
- **Performance Optimization Recommendations**: Provide best practices for scaling dashboards, optimizing queries, and reducing report load times.

3. **Dashboard Development & Implementation**

   Our expert team will work closely with your organization to design and deploy highly interactive and insightful dashboards using Microsoft's Power BI and Azure analytics tools. The Dashboard Development Process includes:

- **Requirement Gathering & KPI Definition**: Engage stakeholders to understand their business needs, reporting expectations, and key performance indicators (KPIs).

- **Data Integration & Preparation**: Connect multiple data sources (Azure SQL, SharePoint, Dynamics 365, on-prem databases, APIs) and transform raw data into structured datasets.
- **Dashboard Design & Development**: Create custom visualizations, real-time data tracking, and intuitive reports tailored to business needs.
- **Automation & Self-Service BI Enablement**: Implement scheduled data refreshes, automated reporting, and self-service analytics for improved efficiency.
- **Dashboard Deployment & User Training**: Deploy dashboards to Power BI Service and train end-users on navigation, interpretation, and customization.

4. **Deployment & Integration with Microsoft Ecosystem**

   We will ensure seamless deployment of Power BI dashboards and reports within your existing Microsoft infrastructure while integrating with other business applications.

   Key Deliverables:

- **Integration with Microsoft Tools**: Ensure connectivity with Microsoft 365, Azure Synapse Analytics, Dynamics 365, SQL Server, SharePoint, and third-party data sources.
- **Data Model Optimization:** Ensure efficient data architecture for performance and scalability.
- **Security & Role-Based Access Control (RBAC):** Implement user-based permissions, row-level security (RLS), and data encryption to safeguard sensitive information.
- **Testing & Validation**: Conduct thorough testing to ensure accuracy, speed, and usability before deployment.

5. **Ongoing Dashboard Support & Maintenance**

   To ensure continuous success, GCT will provide ongoing support, monitoring, and enhancements for Power BI dashboards, ensuring data accuracy, performance optimization, and governance compliance.

   Our Support & Maintenance Deliverables include:

- **Lifecycle Management**: Maintain and govern Power BI assets, reports, and data models for structured version control.
- **Technical Support on Demand**: Provide on-call support and issue resolution for any reporting or visualization challenges.
- **Power BI Performance Tuning**: Optimize DAX queries, data refresh schedules, and Power BI Premium settings to ensure smooth operation.
- **Enhancements & Feature Upgrades**: Periodic dashboard refinements, new feature rollouts, and integration with evolving business needs.

1.6 Contact Us

Take the next step today!

Contact Global Computing and Telecoms for more information at engineering@globalcomputing.co.za