



Achieving Data Confidence®



KGS Data Confidence® solutions help our clients exploit the full potential of their data and information assets to make better decisions, improve their bottom line, and achieve strategic goals.

...where knowledge | generates solutions

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Federal Agencies Need Actionable Data

Federal agencies face critical decisions on a daily basis. To navigate the complexities of those decisions, leaders rely on accurate, available data to effectively analyze situations and determine appropriate courses of action. If information is unavailable or the data presented is inaccurate, critical actions can be delayed, ineffective, or expose organizations and individuals to unnecessary risk. KGS Data Confidence® solutions help Federal agencies establish the right mix of people, processes and technology to improve how they create, capture, manage, store, and share information to deliver actionable data.



The Value of Data Confidence®

Improving services to citizens requires federal government agencies to collaborate as part of the larger, federal enterprises whose mission crosses federal, state, local, and private sectors boundaries. These dynamic and increasingly complex, interconnected federal enterprises depend on ready access to actionable data. Actionable data originates from multiple data sources and fuels the predictive analyses, real time collaboration, informed decision making, and agility essential to their success. Actionable data assets are:

- **Visible** Easily discoverable
- **Accessible** Readily available for use by authorized stakeholders
- **Understandable** Able to be appropriately interpreted and used
- **Trusted** Substantiated through authoritative pedigree and lineage that are known and transparent
- **Interoperable** Easily combined or compared with other information and/or mediated
- **Responsive** Validated by robust, direct user feedback mechanisms
- **Governed** Defined, used, and protected throughout the data life cycle under the direction of appropriate authorities

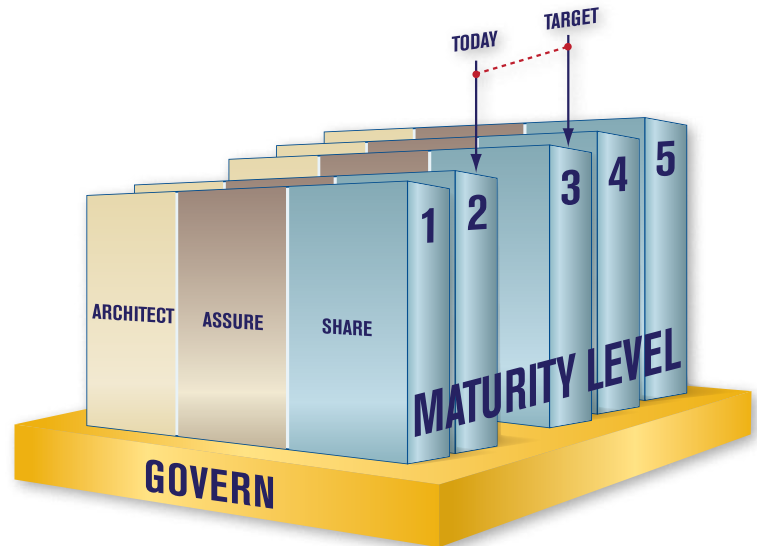
Data Maturity Model

Achieving Data Confidence results from executing four core enterprise data management processes with process maturity: Govern, Architect, Assure, and Share. It is only through maturing capabilities in all four of these process areas that enterprises can achieve Data Confidence, which is essential to achieving Open Government goals and to improve services to the citizens.

Maturity Gap

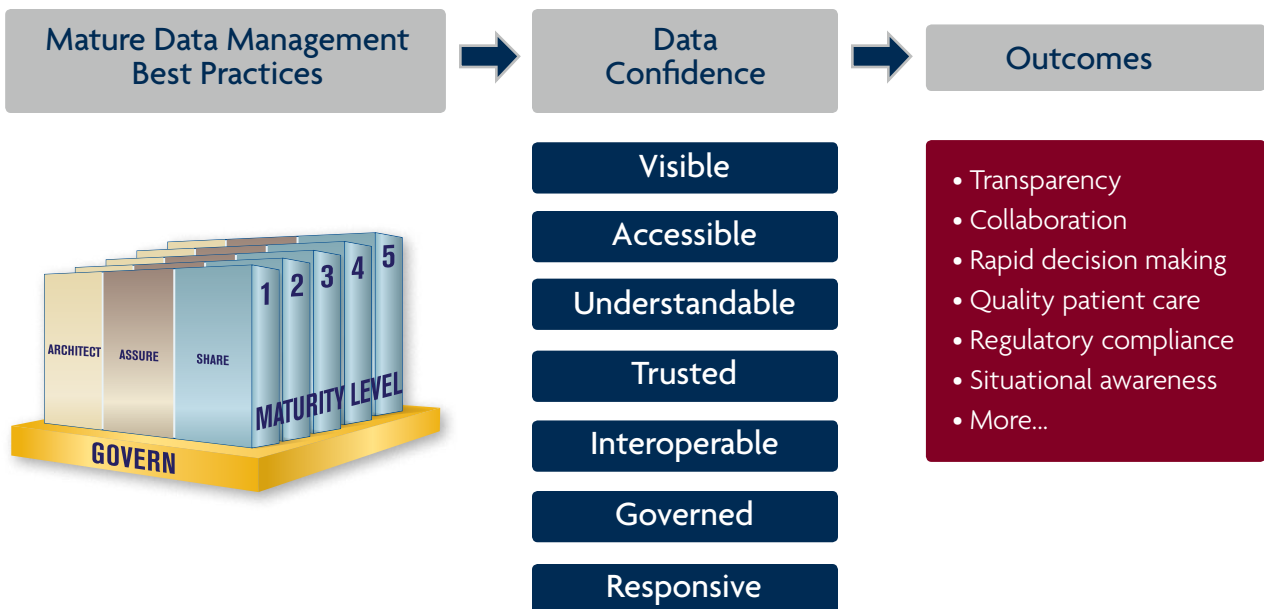
Lack of maturity in data governance can leave the federal enterprise vulnerable to a number of risks, all of which ultimately impact the quality and timeliness of services to the citizens:

- Limited enterprise situational awareness
- Unreliable predictive analysis
- Weak collaboration
- Data silos
- Questionable data quality
- Data incongruity
- Data security risks
- Limited strategic thinking and planning
- Limited information sharing
- High maintenance costs (redundant data centers, applications, and databases; unknown architectural dependencies)



Focused on the Mission

KGS launches our clients toward Data Confidence by looking at mission requirements for data and information from an enterprise perspective. We guide clients in determining the most appropriate mix of people, process and technology to best meet their goals and mission objectives.



The KGS Solution

KGS provides solutions and services in each of four key data management core processes: Architect, Assure, Share, and Govern to help clients meet mission objectives, reduce risk and minimize costs. Data Confidence solutions deliver actionable information and provide the measurable certainty that critical data is accurate, available, secure, and sharable for faster, better decision making.

<p>GOVERN</p> <ul style="list-style-type: none">• Establishing Accountability & Responsibility for Managing Data• Developing and Enforcing Data Policy• Facilitating Data Stewardship• Data Conversion and Migration Strategies• Governance Touchpoints in Critical Business and IT Management Processes	<p>ARCHITECT</p> <ul style="list-style-type: none">• Enterprise Vocabularies• Enterprise Conceptual and Logical Data Models• Comprehensive Business Glossary• Information Flow Models• Information Security Categorization• Data Service Models and Registry• Enterprise Strategic Data Plan• Data Architecture Transformation Planning and Execution• Master Data Management Artifacts
<p>ASSURE</p> <ul style="list-style-type: none">• Data Quality Assurance Program Support• Data Cleansing• Data Security Planning and Protections• Data Privacy Planning and Protections	<p>SHARE</p> <ul style="list-style-type: none">• Guidance to leverage sharing frameworks such as NIEM, NHIN and JC3IEDM• Information Exchange Packages and Mechanisms• Metadata Registries• Data Asset Repositories• Shared Data Services• Robust Predictive Analytics and Data Visualization Capabilities



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