

DATA WAREHOUSE AUDIT

This is a great time to take stock of what you have accomplished.

You have at least one lifecycle under your belt in construction of your corporate Data Warehouse. Maybe you have ten years of iterative development. The users are analyzing, the help desk is supporting, and the ETL programs are busy extracting, transforming, and loading.

As you anticipate new growth, this is the time to find out whether you have bottlenecks that may be exacerbated with increased volume, avoidable dependencies, practices that may inadvertently lengthen load time, or tools that might be more efficiently configured for a growing warehouse.

Or maybe you have already experienced issues . . . Data volume may have mushroomed, your load window may not be long enough, source systems may have changed, designs may no longer address evolving decision support sweet spots, or redundant data marts need consolidation.

WHAT SISG CAN DO FOR YOU

SISG recognizes that a healthy efficient data warehouse requires iterative enhancement and regular evaluation to cost effectively exploit new opportunities. Monitoring the current environment in terms of expected future growth is an important step in being prepared to move on to the next generation Data Warehouse.

Our team of data warehouse professionals will work alongside your team to assess/audit the current technical environment and benchmark it against best practices. The outcome of this exercise will be a discrete set of findings and recommendations for improvement around the technical health of the data warehouse environment.

This technical audit will concentrate on efficiencies of the environment:

- When do you load, and how often?
- How many sources are you extracting, and when is the data available?
- How are the extracts structured?
- How many target structures are you loading?
- Where are the interdependencies? Are there redundancies?
- How are the mappings structured?
- Where are the manual processes?
- How is the data being queried?

The time may be right for implementing efficiency measures. An audit will reveal opportunities for you to consider.

SISG also offers a **Data Warehouse Tune-up** engagement, which combines this audit with the development effort to implement recommendations to streamline and optimize your data warehouse operations.

DELIVERABLES

SISG will provide a final DW Audit document that will include the following:

- Audit findings based on our interviews and testing procedures
- Audit analyses, including
 - ✓ Data Warehouse Architecture diagram
 - ✓ Data model
 - ✓ Data load and retrieval bottleneck reports

DATA WAREHOUSE AUDIT

- ✓ ETL mapping consistency report
- ✓ Data Warehouse Issues Report
- Recommendations for a Data Warehouse “Tune-Up”

TIMEFRAME

This engagement is conducted on site and lasts approximately 3-10 business days.

CLIENT BENEFITS

By evaluating and benchmarking data warehouse processes, our clients enjoy

- A solid understanding of the technical environment including areas of strengths and weakness
- Documented best practices for
 - ✓ New and ongoing development
 - ✓ Monitoring your Data Warehouse

LEADING TECHNOLOGIES

SISG can support these and other leading technology solutions:

SOURCE/TARGET APPLICATIONS	DATABASE MANAGEMENT	DATA INTEGRATION /ETL TOOLS	ANALYTICS PACKAGES	META DATA MANAGEMENT	DATA ACCESS & ANALYSIS	WEB INTEGRATION
Oracle Financials	Oracle	Informatica Data Integration Suite (PowerCenter, Connectors, etc.)	Informatica Analytics	Informatica SuperGlue	Informatica PowerAnalyzer	IBM WebSphere Application Server
SAP	DB2/UDB	MQ Series, MQ Integrator	Jaros Analytics	ERwin	Actuate	IBM WebSphere Portal Server
Siebel	Informix	SeeBeyond	PeopleSoft EPM		Brio	BEA WebLogic Application Server
PeopleSoft	SQL Server	Tibco	SAP Business Warehouse		Business Objects	IBM Directory Server
Other custom-built applications	Sybase	Other JMS-compliant messaging toolsets			Cognos	

Our consultants are also proficient in the following core competencies:

ARCHITECTURE	PACKAGED DATA WAREHOUSE	INFORMATION DELIVERY
Normalized Data Modeling	Customer Relationship Management	Standard Report Design
Dimensional (star schema) Data Modeling	Supply Chain Management	Design for Multi-Dimensional Analysis
Advanced Data Modeling	Financial Management	Real-time Alerts
Extract, Transform & Load	Human Resources Management	Portal Integration
Real-time Application Integration	Weblog Analysis	

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