

# CSC'S POINT OF VIEW AND CONSIDERATIONS FOR SAP BUSINESS INTELLIGENCE SOLUTIONS

## A Solution to Enable Organizations to Achieve Business Intelligence Excellence

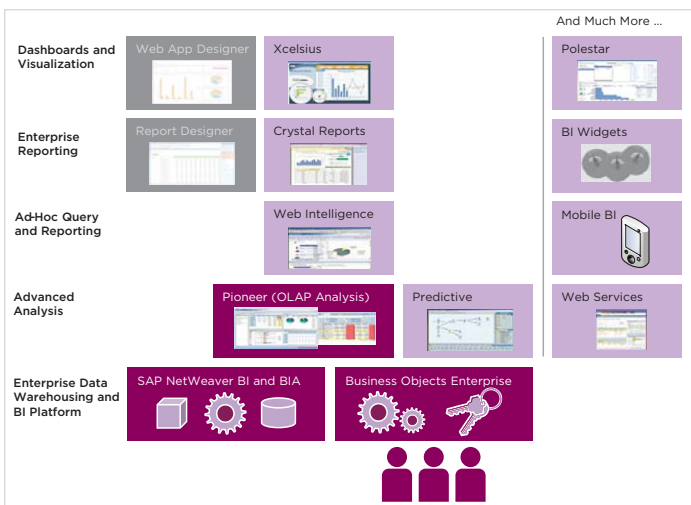
### Considerations for Building a BI Solution and Utilizing Business Objects

For businesses with both SAP as the Enterprise Resource Planning (ERP) System and Business Objects (BOBJ) as the analytical and reporting tool suite that want a Business Intelligence solution to expose their ERP data and integrate with other business data — there are many technology and business factors to consider. The most important are:

- Does the Business Intelligence (BI) solution need to be an enterprise solution or is it specific to SAP instance? Is there a single instance of SAP?
- What are the analytical capabilities needed for the organization?
- How are these analytical capabilities addressed currently?
- What are the expectations of Business Objects (BOBJ) in the BI solution? Are there analytical functions that need to be implemented? Is the organization looking for dashboard capabilities? Is enterprise-wide business intelligence being addressed?
- Are there existing reporting or OLAP tools that must also be considered or leveraged for the BI solution? In the current environment are their certain business intelligence solutions that already exist and what integration with those solutions must be addressed?

Since the acquisition of Business Objects by SAP, business intelligence strategy has become more complex creating confusion around the best practice for reporting and analytics. SAP has begun to integrate many of the BOBJ components into its core ERP suite — primarily into Business Warehouse (SAP BW). This integration has led to several additional factors needing to be considered:

- Should BW standard business content be enabled versus BOBJ to provide a reporting environment?
- Should BW InfoCubes be used as the mechanism for exposing R3 data?
- Should non-SAP data be considered for joining with SAP BW content?
- How will SAP BW business hierarchy data (master data) be exposed to external sources?



Product Directions for BI Solutions —  
SAP Business Objects BI Solutions

To address these factors, CSC recommends a series of best practices along with proven approach to designing and delivering highly effective BI solutions. Our experience for delivering these BI solutions suggest that deploying the Business Objects suite, with its multi-faceted features — operational reporting with Crystal Reports, analytics with Web Intelligence and executive dashboards with Xcelsius, will support the strategic vision for most all enterprise business intelligence needs.

### Addressing the Corporate BI Solution — with the Strengths of BOBJ

The Business Objects suite of tools spans a wide-array of software functionality — from state-of-the-art Web-based Reporting and Analytic tools, to corporate performance management for financial consolidation and planning, to sophisticated search engines for unstructured data.

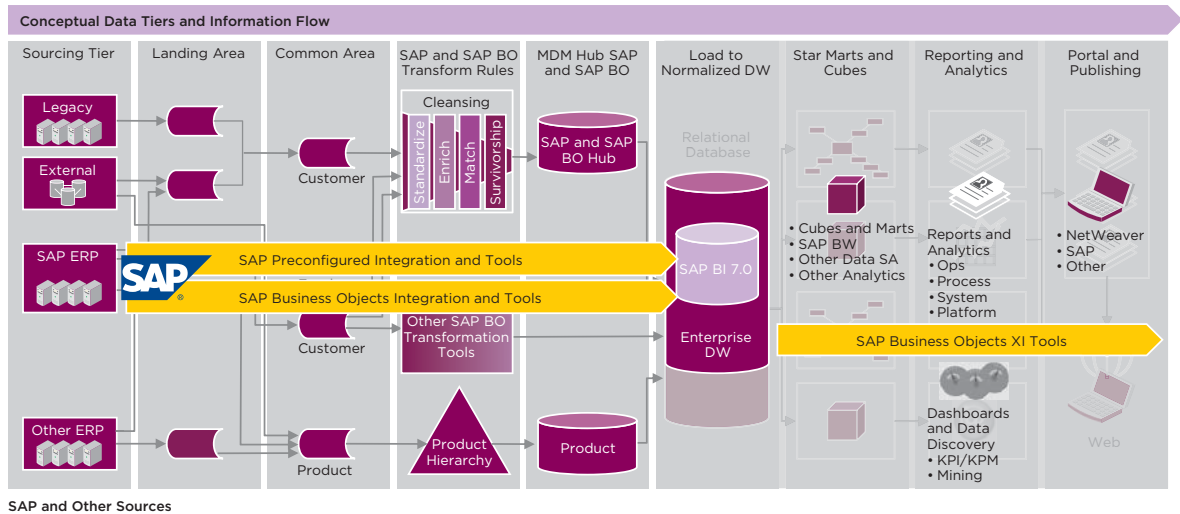


Specifically for the Reporting and Analytic tools the advantages are many:

- The rapid development of Dashboards
- Their ability to handle large volumes of data
- Linking capability to ERP data sources (i.e., SAP)
- Producing content in various output formats (i.e., Web, HTML, PDF, Excel, etc.)
- The inclusion of an ETL tool to simplify data gathering and migration

Business Objects has added capabilities to enable specific SAP services to build Business Object universes (cubes) from BW output and thus allowing these Rapid Marts to produce SAP standard reports.

Business Intelligence  
MDM/DW Reference  
Architecture — SAP ERP, BW  
and SAP Business Objects



### About CSC

The mission of CSC is to be a global leader in providing technology-enabled business solutions and services.

With the broadest range of capabilities, CSC offers clients the solutions they need to manage complexity, focus on core businesses, collaborate with partners and clients, and improve operations.

CSC makes a special point of understanding its clients and provides experts with real-world experience to work with them. CSC is vendor-independent, delivering solutions that best meet each client's unique requirements.

For 50 years, clients in industries and governments worldwide have trusted CSC with their business process and information systems outsourcing, systems integration and consulting needs.

The company trades on the New York Stock Exchange under the symbol "CSC."

### CSC

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### Approach

CSC's Worldwide SAP and Business Intelligence Practice have developed a MDM/DW reference architecture that supports BOBJ integration into an Enterprise BI Solution for SAP and other external legacy data sources. To go along with this reference architecture we have proven methods and frameworks to:

- Assess the scope of the BI requirements by addressing:
  - Whether the solution is to be enterprise or single ERP instance focused
  - What content (data) is required
  - What format structure or complexity is required by user type: for reporting to execs, operational reporting needs, or analytics for power users
- Develop a BI specific strategic plan that encompasses subject area data structures through innovative and effective business modeling techniques

### Conclusion

CSC's Business Intelligence Practice has the experience and knowledge to deliver sophisticated ERP BI solutions. CSC can analyze your existing BI solution as well compare and help you select the right tools to meet your current and future business analysis needs. We provide complete analysis and assessments of enterprise-wide business intelligence solutions that are integrated with data migration and master data management. CSC's Business Intelligence Practice has a number of offerings that we can use as accelerators for your business intelligence needs. These include; Business Intelligence Assessment, Data Warehouse Infrastructure review, Customer Intelligence, Profitability Intelligence, Product Intelligence, and Supply Chain Intelligence offerings. We also have a MDM Offering that provides the roadmap and implementation plan for managing master data across the enterprise.