



IMPACT BUSINESS INFORMATION  
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## IBISing Summary Sheet

**Business Summary:** Comprehensive medical image data management system designed for and with the pharmaceutical clinical research community, providing cost-effective access to image data, ensuring data quality and security, and facilitating flexible workflow and streamlined data management

**Technology Summary:** Enterprise-class, scalable, benchmarked medical image data management system. May be deployed internally or as SaaS or Cloud solution. Key differentiators include database-based storage of all image data, suite of Web Services (REST) for all data processing, and architecture that facilitates integration with 3<sup>rd</sup> party systems including back end systems, DICOM workstations, analysis algorithms.

### Major Points of Interest

- 1. Data Quality:** Consistent and repeatable. Users may define generic quality specifications, e.g., Base Clinical, Clinical CT, De-identification, etc; link these into more complex, complete quality specifications, e.g., De-identified Clinical CT; copy to and use for Clinical Trials; modify further there, as necessary. DICOM dictionary implemented as a quality specification.
- 2. Data Security:** Multiple levels of security: system access is controlled by a user/role/transaction matrix; data-level access is controlled by User Organization and clinical trial-level access assignments.
- 3. Data Review:** Built-in basic Web Viewer; one-step integration with DICOM viewers and workstations, comprehensive suite of reports, mashups to Sharepoint and similar platforms
- 4. REST API:** Full set of secure Web Services (REST) with message driven workflow to streamline data management processes and external partner integration.
- 5. Analytics:** Services-based Adapters for integration with 3<sup>rd</sup> party analysis algorithms; grid computing option for algorithms with high computing requirements
- 6. Data Storage:** All image data are stored in a central repository.
- 7. Benchmarks:** The system has been benchmarked for scalability, data throughput and performance. Detailed documentation is available upon request.