

Abstract: Oracle Big Data Cloud Services for Healthcare

Oracle West Coast Healthcare & Research Forum

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Oracle Higher Education and Research

- Tsunami of Data
- Big Data Lab Concept in Research
 - Data Challenges and Data Access & Governance Issues
- Oracle Big Data Analytics Platform – Oracle Differentiators
- What's a Data Reservoir?
- Oracle's Cloud Strategy with Big Data
 - What are Your Cloud Deployment Choices?
 - On Premise – Oracle is only vendor to offer Oracle Cloud Machine on site to mitigate security risks involving PHI/PCI
 - Managed by Oracle with same functionality as Oracle Private Cloud
 - Data is encrypted and the Medical Center or Healthcare entity holds the keys, not Oracle
 - Oracle employees cannot see any data whatsoever and are HIPAA trained
 - Public Cloud – unlike other cloud vendors there is no instance sharing
 - Private Cloud, Managed Cloud
 - Hybrid Cloud – keep enterprise applications on premise if you so choose but deploy everything else to the cloud with no breaking of integration points
- What are the Cloud Type Choices?
 - IaaS = Infrastructure as a Service
 - SaaS = Software as a Service
 - PaaS = Platform as a Service
- What are the Cloud Consumption Models?
 - Build – BYOL
 - Managed or Subscription – Metered & Unmetered
- Oracle Big Data Capabilities on Premise or in the Cloud
- Oracle Big Data Architecture and Big Data Solutions – Open & Heterogeneous
- How to Wrangle Big Data with Oracle Big Data Discovery
 - Democratizes access & analysis of data
 - Deploy on premise or in the Cloud
 - Catalog Data Sources for Rapid Access – no programming required
 - Explore without IT involvement or even experts like Biostatisticians & Bioinformaticians
 - Transform without ETL
 - Discover associations & patterns between disparate data sets
 - Visualize data and show dashboards like a pro
 - Share Data & Collaborate at Scale within and External to your institution