

CTCS EBI UPDATE

CTCS Meeting – July 24, 2014



EBI: ENTERPRISE BUSINESS INTELLIGENCE

Business Intelligence (BI) is a set of methodologies, processes, architectures, and technologies that transform raw data into meaningful and useful information

... within the strategic context of an Enterprise
(i.e. the University of Waterloo)



Derived from:

Evelson, Boris (2008, Forrester Research). "Topic Overview: Business Intelligence"



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WATERLOO

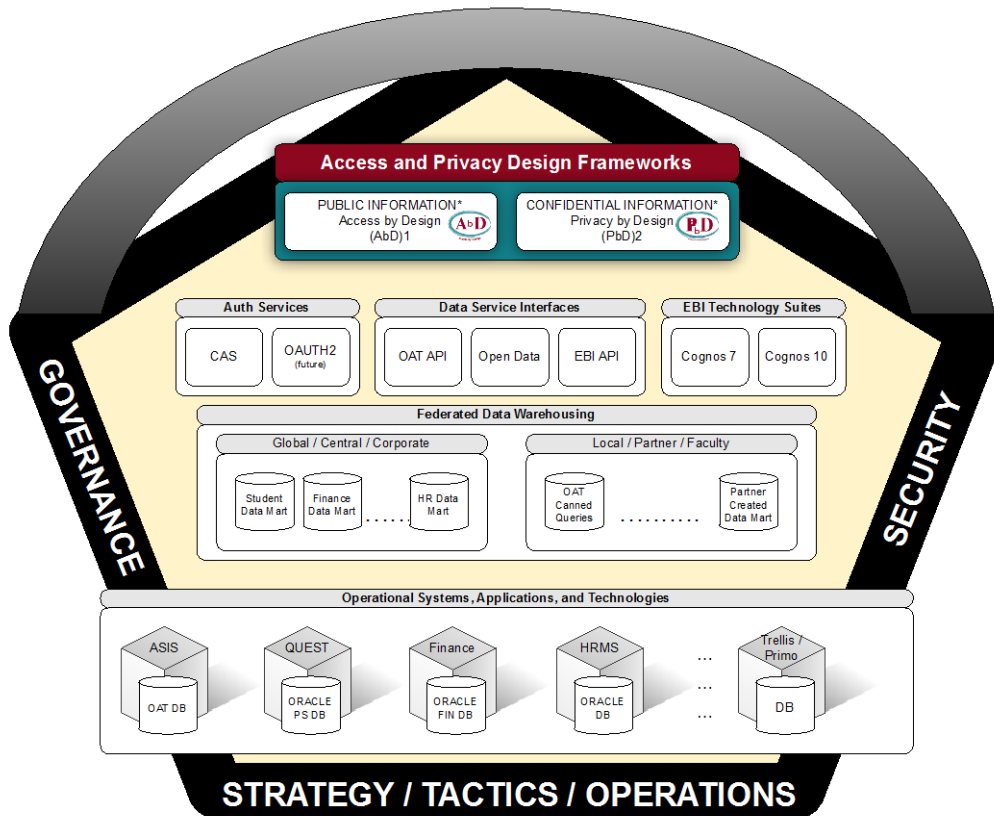
EBI: CAPABILITY VS. TECHNOLOGY

- EBI is an overloaded term:
 - » “Capability” - The combination of Waterloo’s skills across the set of all federated partners.
 - » “Technology” - [IBM Cognos] A specific centralized technology to support Enterprise-wide data management, reporting, and analytics.



University of Waterloo Information Services

(aka. "The EBI")



*As defined in University of Waterloo Policy 8

1 - http://www.ipc.on.ca/images/Resource/s/accessbydesign_7/fundamentalprinciples.pdf
2 - <http://www.ipc.on.ca/images/Resource/s7/foundationalprinciples.pdf>

COGNOS 10 MIGRATION: TUG/LIBRARY – NEW BUILD

- Inventoried existing Cognos 7 reports
 - » Priorized all reports and identified options for consolidation / retirement
- Semantic Model to build a clean business view of data in Cognos 10
- Built an ODS (Operational Data Store) with a nightly update:
 - » off loaded reporting / analytics from application server - performance
 - » added transactional history for some key data – improved analysis
 - » “calculated” fields handled in ETL process - consistency
- Build all reports from scratch in Cognos 10
- Converted exiting cubes mechanically for archive
- Looking for function gains (e.g. Dashboard)



COGNOS 10 MIGRATION: CECA – WATERLOO WORKS MIGRATION

- Phase 1: migrate/clean data for initial launch
 - » JobMine data needs to be migrated to new WaterlooWorks
 - » Use ODS to extract data and manage data cleanup (e.g. “ON” vs “Ont”)
 - » WaterlooWorks data import based on XLS files – will be Cognos “reports”
- Phase 2: Data Mart for CECA analytics
 - » Recognize that the data is where the strategic value lies, not JobMine
 - » Not all JobMine data needs to be or can be housed in WaterlooWorks
 - » Will allow incorporation of external data sources for analytics
- Migration is initial focus – but will create first version of analytics Data Mart in the process



COGNOS 10 MIGRATION: HR – LEAN/MINIMAL MIGRATION

- Inventoried existing Cognos 7 reports
 - » Prioritized all reports - identified options for retirement
 - » For each Cognos 7 report – “excel” (layout) + SQL (content)
- Created Cognos 10 catalogues “mechanically” from existing Cognos 7 catalogues
- Created Cognos 10 reports “mechanically” from SQL and Excel
 - » Can run Cognos 10 and 7 reports in parallel for testing
 - » Created a template, so content will compare identically – minor presentation difference
- Minimal initial opportunity to leverage Cognos 10 functional improvements but also minimal impact on users for migration



Questions?

