Business Information Systems

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Business Information Systems (BIS) manages both application and infrastructure needs for a portfolio of primarily administrative departments.

Over the next 5 years, BIS will focus on ensuring stable, effective and cohesive delivery of application services across the various clients we support. These applications will be consolidated where possible to meet operational efficiency targets while enabling our clients to meet their individual business needs. Additionally, BIS will start the process of migrating applications off aging development platforms (i.e. ColdFusion) to more scalable languages, namely J2EE with IAM integration. We will also begin to investigate the development of mobile applications to allow our clients increased accessibility by their customers.

From an underlying infrastructure perspective, BIS will focus on virtualizing (or centralizing where virtualization isn't possible) systems across the portfolio. Our initial focus will be on lifecycle management, centralized services and building a more robust and scalable infrastructure layer as a strong foundation for our current and future application needs.

Year	Milestones
2010	Achieve PCI compliance for "high-risk" merchant applications Implement HST where applicable Implement new Operations Center for Campus Security and overhaul Secure Access infrastructure
2011	Migrate the Utility Management System, Key Lock System and Secure Access' DSX MDB system to new platforms Implement centralized services (monitoring, syslog, WSUS, antivirus and proxy services) Implement eRatex (eCommerce) and Verba (online textbook adoptions) for UBC Bookstores
2012	Implement replacement for Building Operation's Facility Management ERP (FME) Integrate applications with IAM
2013	Standardize workstation environment Upgrade databases across the portfolio and migrate to Oracle running on Linux
2014	Complete server virtualization and consolidation of physical server rooms Retire ColdFusion as a development platform

2010
- PCI Compliance for Bookstore
- PCI Compliance for Parking
- Implement HST
- Build and implement new Com-ops center
- Infrastructure refresh for Secure Access
- Upgrade SecureNET
- Upgrade ScanNet

2012
- Implement FME replacement
- VisualRatex server & database upgrade
- Integrate Keydesk with IAM
- Integrate UBCCard with IAM
- Upgrade VisualRatex application
- Implement Bookstore virtual network

2014
- Develop new chargeback system for Campus Mail
- Upgrade VisualRatex application
- Complete server room consolidation
- Retire ColdFusion

2010 — 2011 — 2012 — 2013 — 2014

2011
- Migrate Key Lock System
- Migrate Utility Management System
- Implement eRatex
- Implement Verba
- Implement centralized Nagios, WSUS, Sophos
- Implement virtual network in LBS

2013
- Develop custom Parking intranet
- Upgrade DSX SQL
- Migrate Oracle instance to Linux
- Complete VDI rollout in LBS
- Virtualize DSX servers
- Implement network redundancy for Campus Security