Cloud & DevOps August Big Group Panel Discussion

August 6, 2015  Thursday  2:30-3:30 p.m.  Science Center Hall E
Agenda

• Program Status Update (5 min)

• Panel Discussion (45 min)

• Q & A (10 min)
Program Status Update

Since we last met, we’ve made major progress! We’ve evaluated different approaches, evolved our thinking, and learned ...

- **How to choose the right app**: Build experience first by migrating less complex applications over “coalition of the willing”
- **Training through doing**: Learn through migrations over training up front
- **Intentional automation**: Focus on manual migrations rather than just “automate everything”
- **New teams take time**: Mature and optimize team processes from engagement to transition

Migrations are happening!
- QlikView, www.harvard.edu, IAM IIQ, Atlassian — just to name a few
- On track to exceed internal target of 11 successful migrations by September

We’re looking at adding another cloud vendor
- Currently identifying a use case to pilot an application migration or infrastructure service in Microsoft Azure before the end of 2015
Program Status Update

We’re on our way to supporting Level 4 data in the cloud

• Created a network design with physical firewalls in Ashburton, VA, to control access and provide additional security functionality (such as traffic inspection)
• Provides uninterrupted access to AWS in the event of the loss of Harvard’s data center

We’re formalizing our services through the creation of SLAs

• Documenting standard support agreements that outline roles and responsibilities post-migration

We continue to offer training that aligns with our work

• Holding Round 2 of DevOps bootcamp August 12
• Ensuring LMS is incorporated into Harvard’s IT Academy
Your Panelists

• Magnus Bjorkman | Cloud & DevOps
• Kathy Genovese | QlikView
• Richard Ohlsten | QlikView
• Mark Boudreau | Atlassian
• Evgeny (John) Platonov | IAM
• Tim Vaverchak | IAM
• Michael Hilborn | AcTS
• Erica Bradshaw | Moderator
Magnitude Bjorkman
Director of Solution Architecture
Cloud & DevOps Program

- Responsible for architecture for large programs; currently focusing on the Cloud and DevOps program
- Specialties include solution architecture, software architecture, and cloud technologies (especially AWS)
Kathy Genovese
Business Intelligence Manager
Administrative Technology Services

- Manages a team of business intelligence engineers to support analytics and reporting for Alumni Affairs and Development, Financial, and Human Resources at Harvard
- Her team is responsible for CREW, OBIEE+, and QlikView — servicing more than 800,000 data requests and delivering more than 2 billion rows of data every year in support of more than 3,000 users across the University
Your Panelists

Richard Ohlsten
Practice Manager
Administrative Technology Services

• Oversees nine software developers on applications and systems serving 900 Alumni Affairs & Development staff and more than 350,000 Alumni
• Leads the adoption of new tools, technologies and processes for AA&D, including cloud migration
• Participates in planning and execution of AA&D’s five-year roadmap
• More than 25 years of experience in IT (11 of them at Harvard)
Your Panelists

Mark Boudreau
Senior Applications Administrator and DevOps Engineer
Cloud & DevOps Program

- Specialties include Web application design and development
- Primary focus is on migrating applications into Amazon Web Services
- Part of the team that successfully migrated HUIT’s Atlassian suite from on-premise to AWS
Your Panelists

Evgeny (John) Platonov
DevOps Manager
Identity & Access Management

• Leads IAM DevOps team, including collaborating with development and operations teams in a variety of Harvard departments
• Designing and implementing infrastructure as code to serve IAM’s needs, and transitioning services from on-premise data centers to AWS
• Designing a heterogeneous continuous delivery platform (CDP) to maintain IAM services
Your Panelists

Timothy Vaverchak
Director of Engineering
Identity & Access Management

• Director of Engineering with Identity & Access Management since June 1
• Manages the development organization creating HarvardKey (University-wide account management solution)
• Former sparring partner of Ronda Rousey
• Credited with creation of polio vaccine [citation needed]
Your Panelists

Michael Hilborn
Associate Director
Academic Technology Services

• Leads a team of professional and student software engineers who implement and maintain web applications for the FAS teaching and learning community
Panel Discussion

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Thank You!