QAD on Cloud –MMUG Spring

Oxbo & Thirdware

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Thirdware

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Oxbo Products

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Oxbo Products

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Oxbo Products

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Oxbo Products

Korvan 3216XL Grape Harvester

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Oxbo locations

Lynden WA

Pasco, WA

Clear Lake, WI

Byron, NY

Kingsburg, CA

Grundy Center, IA

Shipshewana, IN

Mendota, IL

Labelle, FL

★ **Manufacturing Plants**

★ **Sales & Service**

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What Oxbo Wanted

- Offsite storage of QAD database backup
  - Access from anywhere
  - Not hardware dependent

- On Demand access to a test database
  - No dedicated hardware
  - Low Cost
  - Easy to Update database

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Thirdware's Responsibilities

- Assisted Oxbo in subscribing to Amazon services.
- Modified existing backup scripts on our production server to transfer full backups on a weekly basis and AI files on a nightly basis to Amazon's S3 storage service.
- Setup a QAD test server environment on Amazon's EC2 which can refresh from the backed up data on S3.
- Test server environment includes both .NetUI and CSS

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Project Implementation Process

- Thirdware's project technician, logged into Oxbo server using SSL/VPN connection.

- Project team met several times a week using voice conferencing throughout the project. A few times we used web conferencing.

- Minutes of meetings were distributed after every team meeting listing what was discussed and action items for the next day.

- Project was completed on time, about three weeks total elapsed time from first project team meeting to completion, and within budget estimates.

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Operating Costs

- Monthly cost of S3 and EC2 storage + data transfer is ~$25.

- The more significant cost is when the test server is up and running. $0.53 per hour = $12.72 per day or ~$390 per month if the server is running 24x7.

- We shutdown the server until someone requests it for testing. So far we are averaging about one week per month of up time. ~ $90 per month.

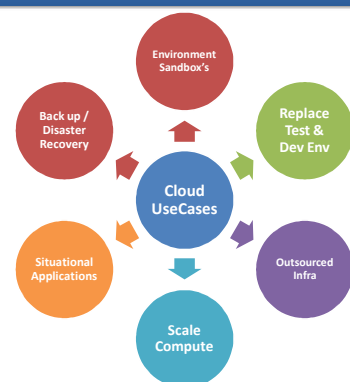- It takes about 15 minutes to start the server instance and about 10 to shut it down.

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Demo

Backup & Test Environment

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Cloud Use Cases ....

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Concerns & Responses

- Data Security
  - Amazon Data Center Standards
  - Encryption for Data transfer (both ways)
  - Lock down server so only client/support team can access
  - Backup & Recovery process (no single point of failure)
- Initial Set up time
  - 1 week
- Ability to migrate
  - Migration toolkits
  - Depending on readiness 1-3 weeks

- Control over variable hardware costs
  - Daily / Weekly Reports
  - Daily / Weekly Recommendation
  - Alerts
- Don't understand the cloud, don't know where to start
  - Onboarding support
  - Detailed process
- SLA's
  - SLA's can be provided for support / hardware uptime
- Impact to End users
  - None / Seamless

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Cloud Benefits

- Pay as you go – No sunk costs/ capital expenditure
- On demand
- Virtually infinite resources
- Short leadtime
- Automation
- Best practices
- Scalability
- Cost

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Thank You

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