

TO THE CLOUD: JUDSON ISD

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Why A Cloud Approach?

- We cannot do it all
- Staff size going down
- Student population & number of schools increasing
- Huge value proposition with many online services
- Online services are 24/7
- Classroom learning can be extended outside of normal school day
- Budgets are shrinking

Cloud Advantages

- Generally very high up time
- Offer cutting edge services
- Low Cost
- Quick Deployment
- Lower technical barriers to entry
- Often can implement without additional staff

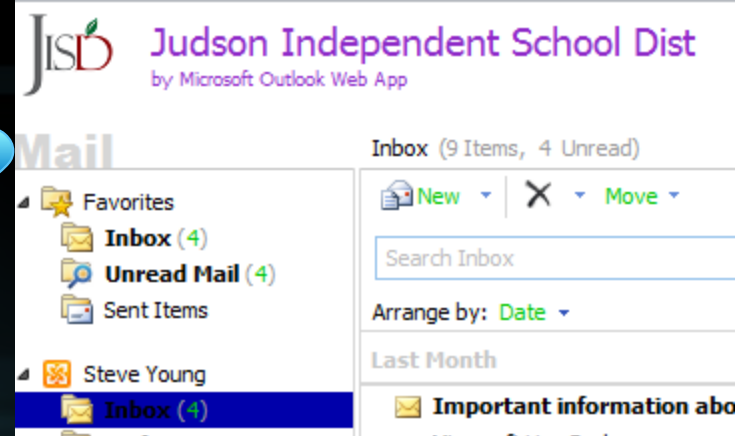
Cloud Questions?

- Is my data secure?
- Students are in less of a walled garden....what will they be exposed to?
- Will my provider change cost, terms of service?
- Will my provider even exist 2 years from now?
- Is there an exit strategy for pulling data?

Judson ISD Multi-Pronged Cloud & Web 2.0 Strategy

- Focus on extending classroom learning and access to online resources
 - BYOD: Bring your own device
 - Judson ISD Guest Wireless
 - Schoology: a social learning platform (LMS)
 - Live@Edu: a set of productivity and collaboration tools for students
 - Identity Management (IDM): the glue that automagically creates/updates/deletes accounts

Why Live@Edu?



- We still rely heavily on Microsoft Office, so Live@Edu is a natural extension of this
- Has impressive set of online apps: Word, Excel, PowerPoint, OneNote
- Generous 25GB of storage space on Sky Drive
- Exchange platform and capabilities are proven and very solid (for corporate type services)
- Deep management capabilities via PowerShell
- Managed much like other Microsoft products, so natural fit for IT administration staff

The Big Question – How Do We Manage Accounts?

- Judson ISD had automated creation and update of student accounts, file shares, and groups with UMRA (User Management Resource Administrator)
- Natural progression of the project was to create automated student Live@Edu account creation and management
 - We got tools4ever to take this project on for proof of concept and marketing
 - Only cost to us for project has been man hours

Pulling the Trigger

- In April of 2011 we executed script, creating over 10,000 secondary account at Live@Edu.

The screenshot displays the UMRA Console interface, titled "UMRA Console - connected to 'localhost' - www.tools4ever.com - [UmraWorkspace - Judson - Live@EDU - Student Enable/Disable Sync]". The interface includes a menu bar (File, Edit, View, Actions, UMRA Service, Tools, Window, Help) and a toolbar with various icons. The main workspace is divided into two panes:

- Left Pane:** A tree view showing a hierarchy of actions and services, including User, Active Directory, Exchange, File system, Other actions, Services, Printer, LDAP, Lotus Notes, SAP, Google, TOPdesk, Education, Variable actions, and Powershell (with sub-items like Active Directory permissions, Group management, File system, and Active Directory utility).
- Right Pane:** A workflow editor for a script named "1 Judson - Live@EDU - Student Enable/Disable Sync". It features a "Script" and "Scheduler" tab. Below the tabs is a table listing the workflow steps:

Label	Action description
	Execute script 'Judson - Student A
	Set the value of variable '%AD_Fi
Test AD Filter	Set the value of variable '%AD_Fi
Production AD Filter	Set the value of variable '%AD_Fi
..... No operation
Live@EDU Disabled?	If-Then-Else
..... No operation
Setup Live@EDU Sessions	No operation
	Setup Powershell Agent service s
	Setup Exchange Session (Exchar
	Setup Powershell Agent service s
	Setup Live@EDU Session (v4)
..... No operation
START	No operation
..... No operation
Get AD Students	No operation
	Generate generic table

Next Steps

- Live@Edu will be rolled out to secondary students as part of larger web 2.0 strategy in Fall 2011
- Initial focus will be on computer literacy classes and other technology courses