Active Directory & Exchange 2010 Project Updates
Outline

- Introductions
- Active Directory Updates
- New Integrated Services
- Exchange 2010
- Questions
Windows Team

- Micah Sardell – Assoc. Dir. of Systems & Operations
- Brad Biehl – Windows Team Lead
- Dylan Wiggins – Active Directory Administrator
- David Bartlett – Exchange Administrator
## Project Timeline

<table>
<thead>
<tr>
<th>ID</th>
<th>% Complete</th>
<th>Task Name</th>
<th>Duration</th>
<th>Start</th>
<th>Finish</th>
<th>Predecessors</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>40%</td>
<td>Exchange 2010 Project</td>
<td>275 days</td>
<td>Mon 2/10</td>
<td>Fri 8/19/11</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>81%</td>
<td>Envisioning</td>
<td>25 days</td>
<td>Mon 11/10</td>
<td>Fri 12/31</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>52%</td>
<td>Planning</td>
<td>190 days</td>
<td>Mon 3/10</td>
<td>Fri 4/22/11</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>0%</td>
<td>Pilot Stabilization</td>
<td>72 days</td>
<td>Thu 1/3/11</td>
<td>Fri 5/6/11</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>0%</td>
<td>Deployment</td>
<td>55 days</td>
<td>Mon 6/11</td>
<td>Fri 8/19/11</td>
<td></td>
</tr>
</tbody>
</table>
Active Directory

- Outcomes
  - 2008 R2 Forest and Domain functional level
    - AD Recycle Bin
    - Offline domain join
    - Granular auditing
Active Directory

- Root Domain upgrade
  - INO and JMS are gone
  - 4 new DCs in place with 2008 R2
Active Directory

- Child domains – down to 14
- Removed GEOGDEPT and MILSCI
- Waiting on Exchange – CAS, AGATE, ALSTEP
- Deadline is June 30
Reminder – when a user is in the “wrong” OU
- You can still add any user to your groups
- IS can help with Exchange tasks, send a ticket to adhelp
- Apply group policies to your computers with loopback
Active Directory Integrated Services

- Jabber IM
- Likewise
Jabber Instant Messaging

- Jabber IM Service
  - Available now to Faculty, Staff and Student Workers.
  - Platform: Openfire 3.6.4
  - AD Groups used to pre-populate client rosters.
  - For more information, check out the service page here:
    - http://it.uoregon.edu/systems/services/jabber
Jabber Instant Messaging – DEMO

- Jabber IM DEMO with iChat
Mac / Linux / Unix integration with Active Directory.

- Managed Mac / Linux workstations
- Enhanced policy management using Group Policy objects to embed Unix/Mac policies.

Currently in Production Pilot.

Contact adhelp@ithelp.uoregon.edu for participation details.
Exchange 2010
Information Services will create a centralized enterprise messaging and calendaring solution based on Microsoft Exchange 2010. The service will offer a wealth of functionality to a myriad of client operating systems and mobile devices. The centralized campus Exchange architecture will be based on Microsoft best practices and accommodate the migration of existing legacy Exchange environments. The end result will be a single campus Exchange installation offering highly available services to all interested University employees.
Exchange Phasing

- Envisioning (Scope – Vision)
- Planning (Design – Requirements – Proof of Concept)
- Development (Integration – Installation)
- Pilot Stabilize (Pilot Migrations – Documentation – Process Development)
- Deployment (Production – Production Migrations)
Exchange 2010 Project

In Scope
- Email and Calendar Services
- Centralized Service Offering
- Automatic Client Configuration (where possible)
- Mobile Device Functionality
- Unified Global Address List
- Migration of Existing client email
Out of Scope
- Users outside of the existing UO Exchange Organization or central email service
- Email addresses other than uoregon.edu
- Student Email
- Retention or Archiving policy
- End user support
- Integration of Third Party Technologies
Exchange Project Timelines
Exchange 2010 Requirements

- Duck ID
  - Account Types
- New Role for Administrators in IDM to cover managed Exchange users.
- All mail will be stored on multi-site, highly-available Mailbox servers maintained by IS.
- More information will be available as we continue development.
# Exchange 2010 Provisioning Matrix

<table>
<thead>
<tr>
<th>Affiliation Type</th>
<th>AD Service Begin</th>
<th>AD Service End</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative Faculty</td>
<td>Start of Employment</td>
<td>End of Employment</td>
</tr>
<tr>
<td>Associate</td>
<td>By Request</td>
<td>End of Appointment</td>
</tr>
<tr>
<td>Courtesy</td>
<td>Start of Appointment</td>
<td>End of Appointment</td>
</tr>
<tr>
<td>Emeritus</td>
<td>Start of Affiliation</td>
<td>Death or by Request</td>
</tr>
<tr>
<td>Faculty</td>
<td>1 Term prior to Appointment</td>
<td>1 Term after Appointment</td>
</tr>
<tr>
<td>Fixed Term Enduring Faculty</td>
<td>2 weeks prior to Appointment</td>
<td>1 Term after Appointment</td>
</tr>
<tr>
<td>Fixed Short Term Faculty</td>
<td>2 weeks prior to Appointment</td>
<td>1 Term after Appointment</td>
</tr>
</tbody>
</table>
## Exchange 2010 Provisioning Matrix

<table>
<thead>
<tr>
<th>Affiliation Type</th>
<th>AD Service Begin</th>
<th>AD Service End</th>
</tr>
</thead>
<tbody>
<tr>
<td>GTF</td>
<td>2 weeks prior to Appointment</td>
<td>1 Term after Appointment</td>
</tr>
<tr>
<td>Retired</td>
<td>By Request</td>
<td>End of Affiliation</td>
</tr>
<tr>
<td>Sponsored</td>
<td>By Request</td>
<td>Upon Departure (75 Day access Limit)</td>
</tr>
<tr>
<td>Staff</td>
<td>Start of Employment</td>
<td>End of Employment</td>
</tr>
<tr>
<td>Student</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
<tr>
<td>Student Employee</td>
<td>Start of Employment</td>
<td>End of Employment</td>
</tr>
<tr>
<td>Temporary Employee</td>
<td>Start of Employment</td>
<td>End of Employment</td>
</tr>
</tbody>
</table>
Recommendations prior to the migration to Exchange 2010 this list will be updated as more information is available.

Windows
- Office 2007 or later
- Windows 7

Mac
- Office 2008 or later
- Mac OS 10.4 or later
Exchange 2010 process

- AD – Account Creation
- OU / Exchange admin requests Exchange resource via IDM Web Interface. The following actions will occur.
  - Migrate User mailbox (Tool or Manual process)
  - Removes access to Unix mail system
Exchange 2010 Licensing

- Server CALs will be provided by IS as part of the Exchange Project budget.

- Client CALs
  - Campus Agreement Participants will be covered by this agreement and there is not additional charge for users to connect to Exchange 2010.
  - Non-Campus Agreement Participants are not covered by any agreement at this time and will be required to purchase CALs prior to being able to connect to Exchange 2010.
Mac Mail will not be supported by IS.
Departments may support this internally.
Reasoning for this decision is the lack of escalation path to resolve problems.
Departments experience problems will be required to replicate problem on a approved configuration for escalation.
Exchange Decommissioning

- It is our goal to remove all Exchange 2003 servers from the Enterprise Exchange Organization as Departments are migrated to the Exchange 2010 servers.
- This Migration will include current Public folders that are populated with data.
- At the time all active users and Public folders are migrated we will proceed with Exchange 2003 decommissioning.
Getting assistance

- Consolidation Project site – [http://ad-info.uoregon.edu](http://ad-info.uoregon.edu)
- OU Admin Guide:
  - New version released today. Available in DOCS and PDF.
  - [https://ad-info.uoregon.edu/Public%20Documents/Forms/AllItems.aspx](https://ad-info.uoregon.edu/Public%20Documents/Forms/AllItems.aspx)
- RT Queues:
  - Windows / Active Directory: adhelp@ithelp.uoregon.edu
    - AD migrations
    - AD integration
    - Group Policy
    - Windows Servers
  - UO Accounts clerk: account@ithelp.uoregon.edu
    - OU overrides
    - Manual provisioning into Active Directory
Questions?