WELCOME to the first ISU Exchange Admins meeting. Today’s focus - the technical points of the campus Exchange solution

Currently the Exchange Admins are Vince Oliver, Bill Robinson and Aaron Rogers

HISTORY of Exchange project:
Microsoft Consulting Services for Exchange project – January 2002
ADS/Acropolis two-way password sync – 2000 (one-way)
Netid HR information synch – 2000
Exchange 2000 schema updates – August 2002
ATS migration from Exchange 5.5 to Exchange 2000 – October 2002 to December 2002

SUCCESS STORIES: Since then CARD Exchange 5.5 migration
New installations at CNDE, Extension, FCS College

KEY BENEFITS of campus solution – campus dynamic Global Address List (others are doing static updates to simulate campus GAL – not always current)
Scheduling others for meetings – intraforest trusts will allow free/busy calendar viewing only

ATS SERVICES
Central IT offers Exchange mailbox hosting through ATS. As with services from Telecom, ATS services are based on a charge-back structure.

100 MB Exchange mailbox - $4 / Month
Additional storage can be added in 25 MB increments - $2 / Month
In an example with 100 mailboxes, the minimum cost would be $400 per month, $4800 annually.

REQUIREMENTS TO JOIN CAMPUS EXCHANGE
Keep in mind as we go thru this that different user and group objects cannot have SMTP addresses with similar mail prefix’s. A mailbox-enabled user or group object can have multiple SMTP addresses and can have the same mail prefix on those addresses.

netid@maildomain and netid@maildomain2 assigned to user netid is valid
netid@maildomain and netid2@maildomain assigned to user netid is not valid
netid@maildomain and netid2@maildomain2 assigned to user netid is not valid

Again, Exchange requires that no two mailbox-enabled objects share the same prefix on its multiple SMTP addresses – guarantees successful routing. All mail prefixes on SMTP addresses assigned to a user or group (mail-enabled or mailbox-enabled) must match the user or group object name.

Email domain naming must be unique

No contact objects allowed – need a sponsored or affiliate Acropolis netid account

No mail forwarding from Exchange – done via contacts – instead have users give out iastate.edu email address to colleagues and forward Acropolis email to Exchange SMTP address.
Non-exception user accounts are created via Acropolis, not ADS

Cannot un suspend or un disable non-exception accounts

All ADS groups you create need to be named with a leading !

Recommendation – netid’s should match other forest/domain accounts where appropriate

These points will be covered in depth at the next meeting

EXCHANGE – WHAT’S IN PLACE TODAY

ATS has split up functionality of Exchange into:

- Information Store Exchange server – stores mailboxes
- SMTP Exchange server – offloads non-exchange routing so Information Store server doesn’t take the hit.
- Outlook Web/Mobile Access server – offloads web, PDA and cellular-based devices.

REASON - IIS vulnerable to hacking – Protects mailboxes

Organization – one Exchange organization per forest
Administrative Group – this is the distribution of administration point. Each AG routes own email.
Definition of Address lists – used for GAL subset view within Outlook
Definition of Recipient policy – LDAP query. Mailbox email addresses are assigned according to which recipient policy a mailbox fits into

The administer tool used is the Exchange System Manager

Organization level – Delegate Control security rights – Exchange Admins group
Administrative Group – <AG> Delegate Control security rights - <dept> Exchange Admins group

These are Exchange topology rights and do not correspond to departmental mailbox rights

Here’s a BRIEF OUTLINE OF STEPS NEEDED for a department to add Exchange to campus ADS

AD Users & Computers –
- Create <AG> Exchange Admins group and populate
- Create <AG> Exchange List group for departmental Address List
- Note display name format
Exchange System Manager

Create <AG>
Assign <AG> delegation control to <dept> Exchange Admins

CREATE RECIPIENT POLICY for <AG> based on msExchHomeServerName attribute – this attribute is assigned to the mailbox and is defined by the Administrative Group the mailbox resides in. This allows for multiple Information Store servers in an AG covered under one recipient policy

Address lists exist so Outlook users can view a subset of the GAL by default. GAL 40,000 – 50,000 entries

CREATE ADDRESS LIST based on 15 character Dept Code – LDAP query to <AG> Exchange List group

Sublists LDAP query based on end of display name or another group