

### Straw Proposal #3

Discussed – means that we discussed it at a meeting.

Agreed – means that we came to a positive recommendation pending edits.

Approved – means that we approved the recommendation as stated.

X		Discussed
X		Agreed
X		Approved
Ö	Ö	A cluster farm of servers system is required. The cluster is split between at least two data centers (EBC and Park) and the load balancing be done with a layer 7 switch The cluster must have lots of disk space, handle many fast, connections, be up 24/7, and be consistently backed up including off site.
Ö	Ö	The system provides four services – POP, IMAP, SPAM Filtering, and Virus scanning. The end user or their designated administrator can remotely configure filtering through a simple to use web interface and a TLS/TTLS connection. No raw mode access will be permitted.
Ö	Ö	Virus filtering (both in and out) would be turned on ALWAYS as viruses affect all of us.
Ö	Ö	Establish a gateway into the University which does virus filtering (again, both in and out). A unit that may not wish to use the rest of the system must either a) use the filtered gateway, or b) indicate that they are doing their own virus filtering.
Ö	Ö	IMAP would support shared folders.
Ö	Ö	Any client with secure pop or imap capabilities can access the mail.
Ö		If someone travels to a country that doesn't support 128bit security, recommend that they establish one of the free accounts and forward their email from here to there.
Ö	Ö	The mail facility will also support web access to mail via the cluster.
Ö		Every person (student, staff, faculty) by default gets an account. Each user can choose to not have their account if they set up a forwarding address. At some point in the future, it might be a good idea to periodically send a message to each forwarded account to make sure that it is active. If it isn't, then the person should be contacted (even if by snail mail and telephone) and the mail forwarding dropped.
Ö		As long as the entry remains active in the directory, then the account remains active.
Ö	Ö	Account will be the standard Uxxxxx@utah.edu as the base account. Aliases will be established for different addresses (see later).
Ö	Ö	The directory is the root of all accounts. If you don't have a directory entry, then you don't have an account (and visa versa).
Ö		Undergraduate students will have their own student.utah.edu address.
Ö		Default addresses aliases are first.lastname@utah.edu. When conflict, the account can offer options using middle initials, initials, or even numbers. First come, first served to an account.
Ö	Ö	Only one account per person. No need to have group administrative accounts, the shared imap folders will solve this.
Ö		Guest accounts again are created in the directory. They may be Gxxxxxx@utah.edu as the address and then some set of aliases. Will use a new domain for guests so the name space isn't polluted. Such as first.last@guest.utah.edu.
Ö		As accounts become inactive, alumni are migrated to uofu.net.
Ö	Ö	Remote admin – managers of departments or units should have some control. They should be able to create guest accounts (which means that they will have account

Email Committee

<b>X</b>	<b>Discussed</b>	
	<b>X</b>	<b>Agreed</b>
		<b>X</b>
		<b>Approved</b>
		creation and deletion from the directory). They can manage quotas. They can reset passwords. They should be able to specify filtering options for their constituents. Some kind of web interface will permit this.
Ö	Ö	Centralized admin – if a unit wishes to not do remote admin of their accounts, then the help desk will be able to assist them.
Ö		Distribution lists are managed outside of the email system.
Ö		Quotas – based on status (students, faculty/staff) you get so much space. These will be soft quotas. That way email can be used to notify when quotas are exceeded. A unit will be granted a quota and the admin can move that quota around based on the needs of their constituents.
Ö	Ö	The concept of single login (single authentication) is a goal of the on campus IT systems. We support this and wish to see that goal vigorously pursued.
		Calendaring/groupware. [Discuss this – seems hard because some are No Microsoft, some are Only Microsoft. Can we offer a two-tiered system? Can we handle the multiple constituents?]
		Digital signatures – the system must support digital signatures.
Ö		Encryption – all communication will be encrypted.
Ö		Encryption – messages are stored in an encrypted form. Lots of advantages, reduces the issue of snooping. But what happens if a pass phrase is lost or forgotten? Then is lost.
		There is no duration of time for messages to be stored.
		There is no limitation on the size of email messages unless the message exceeds the HARD quota.
		The basic email account (pop/imap) is free. If a unit or individual wants more quota then they can purchase it by paying for disks, backup capabilities, or other infrastructure needed to increase the disk capacity.
		The system should provide the ability to notify a user by paging or telephone call or voice mail that a message has arrived.
		The system should have a voice interface, so a user can call in and have their email read to them.
		The email system should support an instant messaging server allowing in-house instant messaging.
		Let's discuss implementation/conversion issues