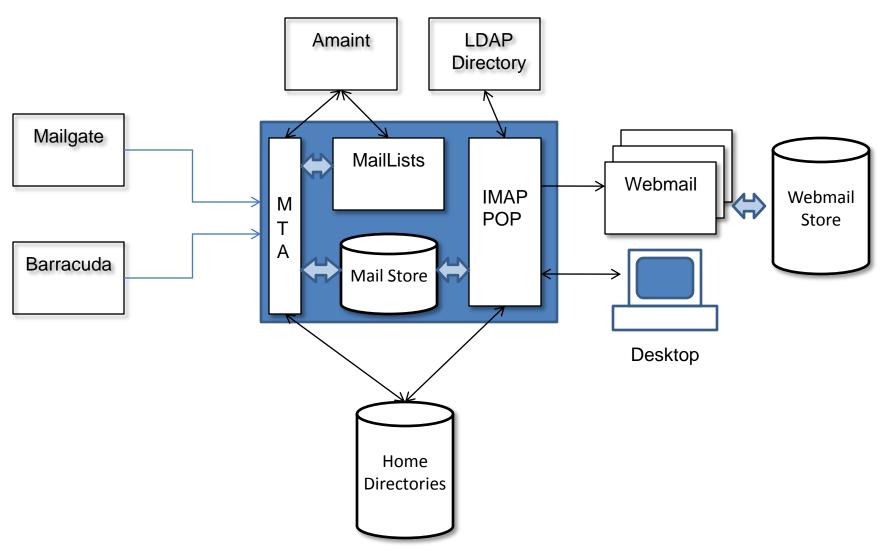
# Design of a Next-Gen E-mail

and calendaring

# System

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# **Current Architecture**



# Why redesign what already works??

#### What we have now already works:

- It's fast
- It's reliable
- It's simple
- It's been working well for 15 years

### But...

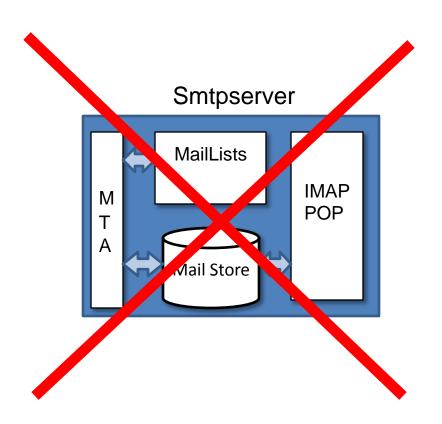
- It's vulnerable to system failure, as it all runs on one server
- That one server is big and expensive to replace
- The Webmail interface is dated and has limited integration with desktop clients
- The future of Eudora, our officially supported desktop client, is uncertain
- We don't have a campus-wide calendar

# So what do we want to accomplish?

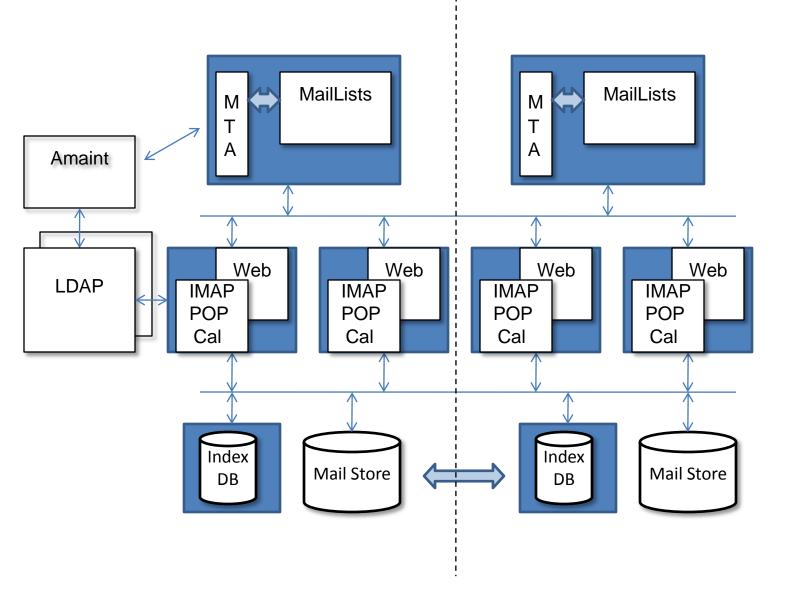
# Objectives

- Fault tolerant
- Lightweight e-mail accounts
- Web-centric
- Easily expandable to support greater capacity
- Calendaring (integrated?)
- Minimal loss of existing functionality (excellent maillist support, solid POP/IMAP/SMTP, anti-spam)
- Others?

# So What's our Plan?



#### Fault Tolerance



## Risks

- Fault tolerance = increased complexity
- Lightweight = New POP/IMAP & forward/filtering
- Easy Expansion = New storage architecture

- Web-centric = New Webmail architecture
- Integrated Calendaring = One software package to meet all needs

# Calendaring – What ARE our needs?

- Public calendars Who gets to create them?
- Shared calendars Any to Any model?
- Web-only, or must we support certain clients?
- Classroom scheduling integration?
- Mobile Sync for all?
- Who will administer the service?

# The State of the Art Today



But do you really want to hand over your private data to the most advanced data mining black box the world has ever known?

So, ok, Besides them..

# Zimbra

- Tightly integrated e-mail & calendar
- Web 2.0
- Open-Source
- Free version available

#### Demo

