

# UCI's Shibboleth Origin

Network and Academic Computing Services

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# The Plan

- Join InQueue
- Create Origin
- Modify LDAP
- Create Test Target
- Test with UCFY
- Join InCommon and UCTrust

# Sticking to the Plan

- Joining InQueue
  - Straight Forward WebForm Process. InQueue quick to respond.
- Creating the Origin
  - Choosing Hardware
    - Low System Requirements
    - Few Uses for Shibboleth Currently
    - Slim Budget
    - Quick Install and Easy Administration for Pilot

# State of the Art!

- Leftover Dell Pentium 3 1Ghz
- 512 MB Memory
- RedHat Enterprise AS 3
- Planned Upgrade When Use Grows



# Implementation Details

- Acquiring the Certificate
  - Hepki Test Cert --  
<http://bossie.doit.wisc.edu/cert/i2server>
- Installing Required Software
  - Shibboleth!
  - Apache, Tomcat, ModJK, ModWebAuth

# Configuring the Origin

- Followed the Shibboleth Deployment Guide <http://shibboleth.internet2.edu/guides/deploy-guide-origin1.2.html>
- Changes made from 1.1 to 1.2 Make Shibboleth Origin Installation Much easier
  - No More Java Keystore, Cert configuration in XML file
  - Easy way to update MetaData
  - ProviderID Simplification Instead of URLs

# Other Implementation Details

- LDAP - Attributes needed to be included in UCI's LDAP schema to comply with eduPerson and UCTrust schemas.
- Test Target - Created to show additional attributes being transferred to targets and improve UCI's level of knowledge regarding installation.

# Testing with UCFY

- Attribute Release Policies Caused Trouble
  - ARPs Dependent on Apache SSL Client Verification
  - Trouble Getting the HEPKI CA to be trusted by UCI and UCFY
- UCI was sending the wrong UCNetId attribute.

# Joining InCommon

- Long Application Process -- Appears to have become easier on InCommon's website.
- Technically Very Easy
  - Renamed origin's host to remove all mention of testing.
  - Using their admin panel, acquiring InCommon certs for the origin and "Demo" target was simple.
  - Updated sites.xml and changed provider ID in config files.

# Current Usage

- No Applications using UCI's Origin
- Applications local to campus have no need for Shibboleth
- Inter-campus applications needed for shibboleth to be used.

# Future Ideas

- UCI would love to be able to use UCTrust to enable wireless registration across campus.
- Visiting professors would be able to register their MAC addresses at other UCs using UCI's WebAuth SSO system.

FIN!