ET, Shibboleth, and Napster

or

What to do When the President Calls

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Information Technology Services
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What Does ET Do?

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- Reduce time–to–market for ITS services (Rapid prototyping)
What is Shibboleth?

- An Internet2 middleware initiative designed to provide federated access management between Web-based resources.
- Allows you to authenticate locally and access Web resources from other institutions.
- Can be used to make complex, directory-based authorization decisions.
- May preserve privacy of individual from remote site.
Hey! I just want my music!
Napster Comes a Callin’

ET along with AIT needs to rapidly prototype a solution. We identify several problems.

- They want to connect to our Kerberos realm
- They want us to manage Napster accounts
- Estimated bandwidth will overwhelm Internet connection first week
- Service will not be a hit with students
- Russ Vaught will be fired
We Reply

- You can’t connect to our Kerberos realm
- Have you heard about Shibboleth?
- We need a local Napster cache
- Local cache will mean responsive service
- Responsive service means hit with students
- But ... We like Russ
Penn State/Napster Service

In less than 40 days, Penn State ITS people working with Napster’s technology staff rolled out Penn State/Napster service to 15,000 students at 12 Penn State locations. Shibboleth allows us to:

- authenticate a student locally to the Penn State Access Account
- decide whether student lives in the residence halls and is eligible
- without identifying the individual student, Napster is presented with a correct authorization decision
- hand–off is complete and student sets up Napster account