

“ISSS Update” & “Using Shibboleth”

...from the sublime to the ridiculous
(or perhaps the other way around?)

Jon Warbrick

ISSS first

Get it out of the way

ISSS

- Created late 2007
- First met February 2008
- Met a total of 9 times so far
- Website at
<http://www.admin.cam.ac.uk/committee/iss/>

Terms of reference

- (c) to [...] advise the Council and the General Board on priorities for [...] information policies, facilities, and services [...]
- (d) to ensure that [those] provided are operating effectively and are fit for purpose
- (e) to oversee the direction and planning of the UCS and MISD [...]

Members

Chair:

- Prof. Steve Young (Engineering)

Council appointed:

- James Matherson (Engineering)
- John Norman (CARET)
- Prof. Christine Howe (Education)

General Board appointed:

- Prof. Nolan (Linguistics)
- Prof. Littlewood (Physics)
- Dr. Carpenter (Neuroscience)

Co-opts:

- Dr Robin Walker (JNMC+Queens')
- *(vacancy)*

Colleges' Committee appointed:

- Sir David Wallace (Churchill + INI)
- Dr. Rob Wallach (Kings + Tutors)
- Ian du Quensay (Newnham + Bursars)

Elected:

- Andy Richardson (MISD)
- **Jon Warbrick (UCS)**

Students:

- Clare Tyson (U/G)
- Siza Mtimbiri (P/G)

Right to attend

- Registry - Dr. Jonathan Nicholls
- Librarian - Ann Jarvis
- Director of UCS - Dr Ian Lewis
- Director of MISD - Paul Dampier
- Director of Finance - Andrew Reid
- (Pro-VC Planning and Resources)

What have we done - money

- Planning round submissions
 - UCS, MISD, CARET, Library
- Financial picture --> future
- Acquired the TDF
 - Bailed out CamTOOLS

Policy

- Review Information Strategy
- Project governance + Project Office
- Audit reports - IM and BCP
- Teaching & Learning Support Services 'Report'
- Card Management Committee?

Monitoring

- Service reports
 - UCS, MISD, CamTOOLS
- Project reports
 - CHRIS, CamSIS, Telephone replacement, (Reporting)

UCS Management

- Rules
- Charging
- Bulk email policy
- Backup policy

New projects

- Research Excellence Framework
- Environment Monitoring
- CUFS2010

Related committees

- Business Committee
- Information Strategy Working Group
 - Chair: John Norman
- Joint Network Management Committee
- [IT Purchasing Group]

ISWG business

- Internal communications
- Identity management
- Improved search
- Records management
- Future planning
- Business continuity
- New Media review

Any questions so far?



Shibboleth

Probably more fun

So, Shibboleth, remind me...



- Standards based, open source software package
- For web single sign-on
- Across or within organizational boundaries
- For making informed authorization decisions
- ...about access by individuals
- ...to protected online resources
- Privacy-preserving

Terminology - it was:



Raven = WebAuth

(a.k.a. Ucam WebAuth)

Terminology - it is:



Raven

WebAuth

(a.k.a. Ucam WebAuth)

Shibboleth

Some use cases



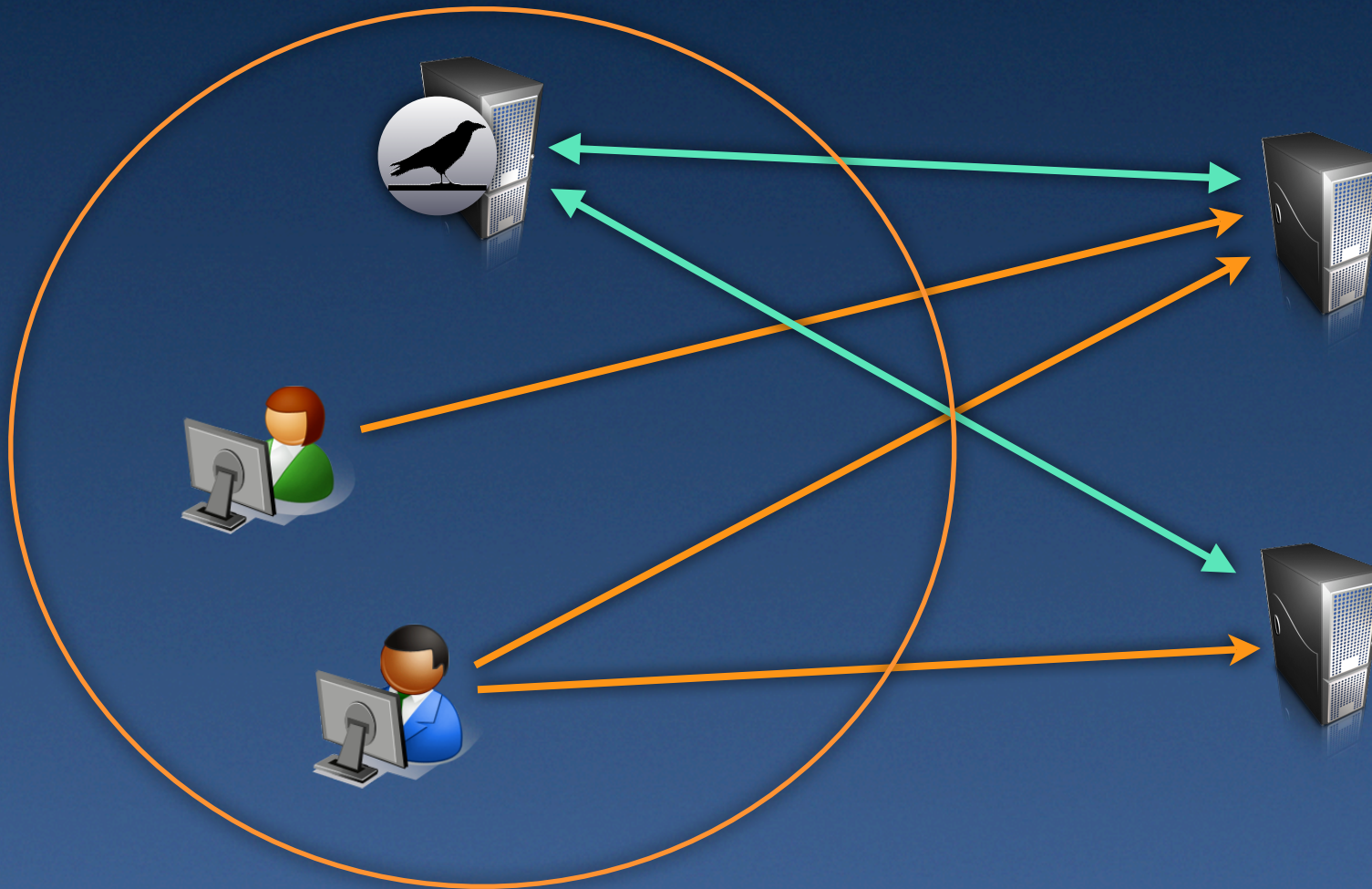
The
University

Inside

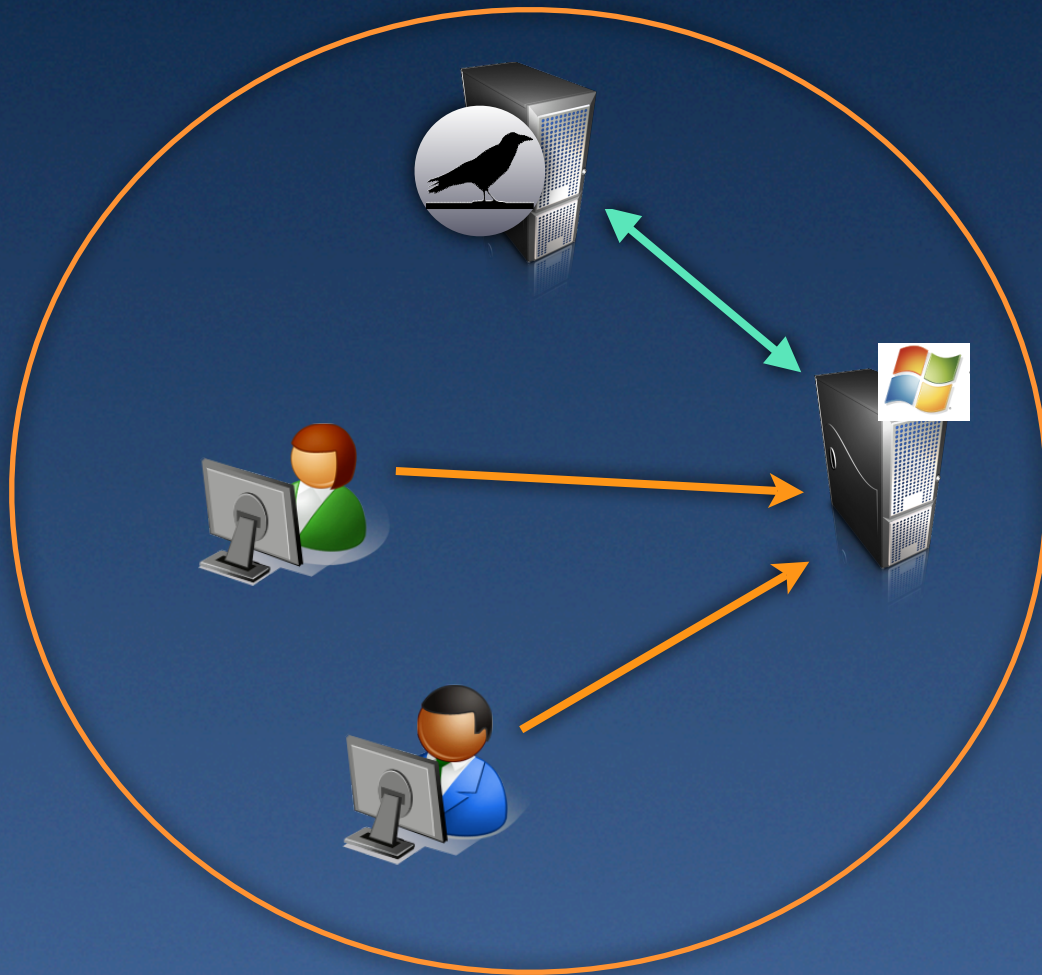
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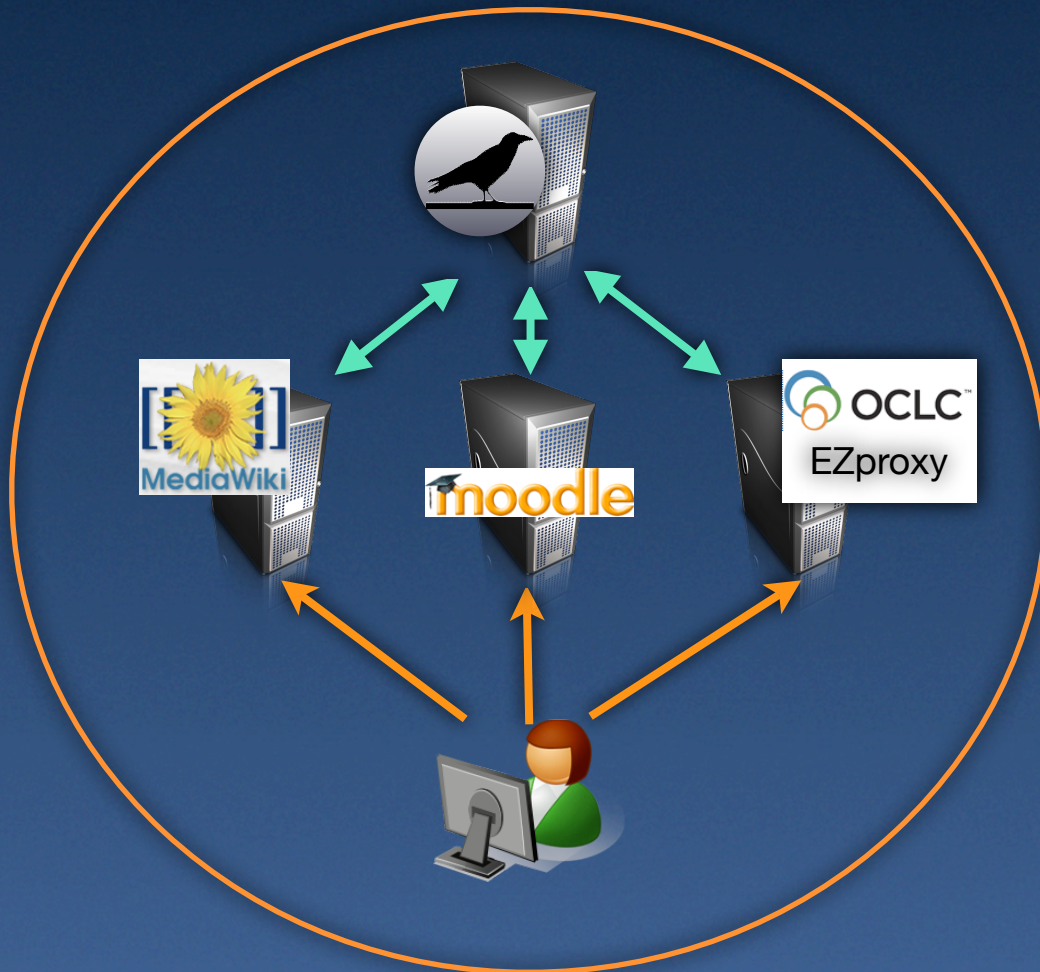
E-journals



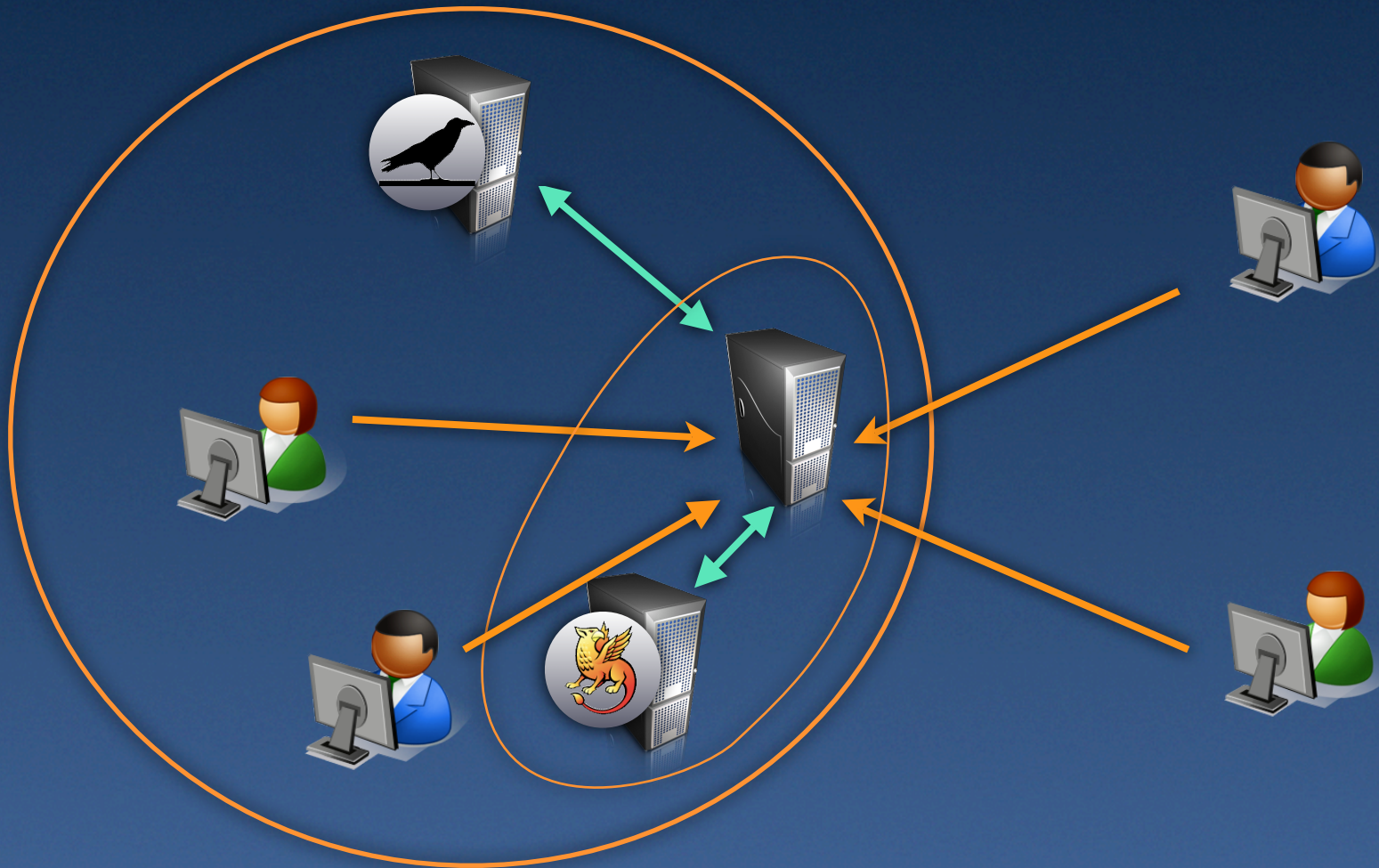
Windows IIS 7



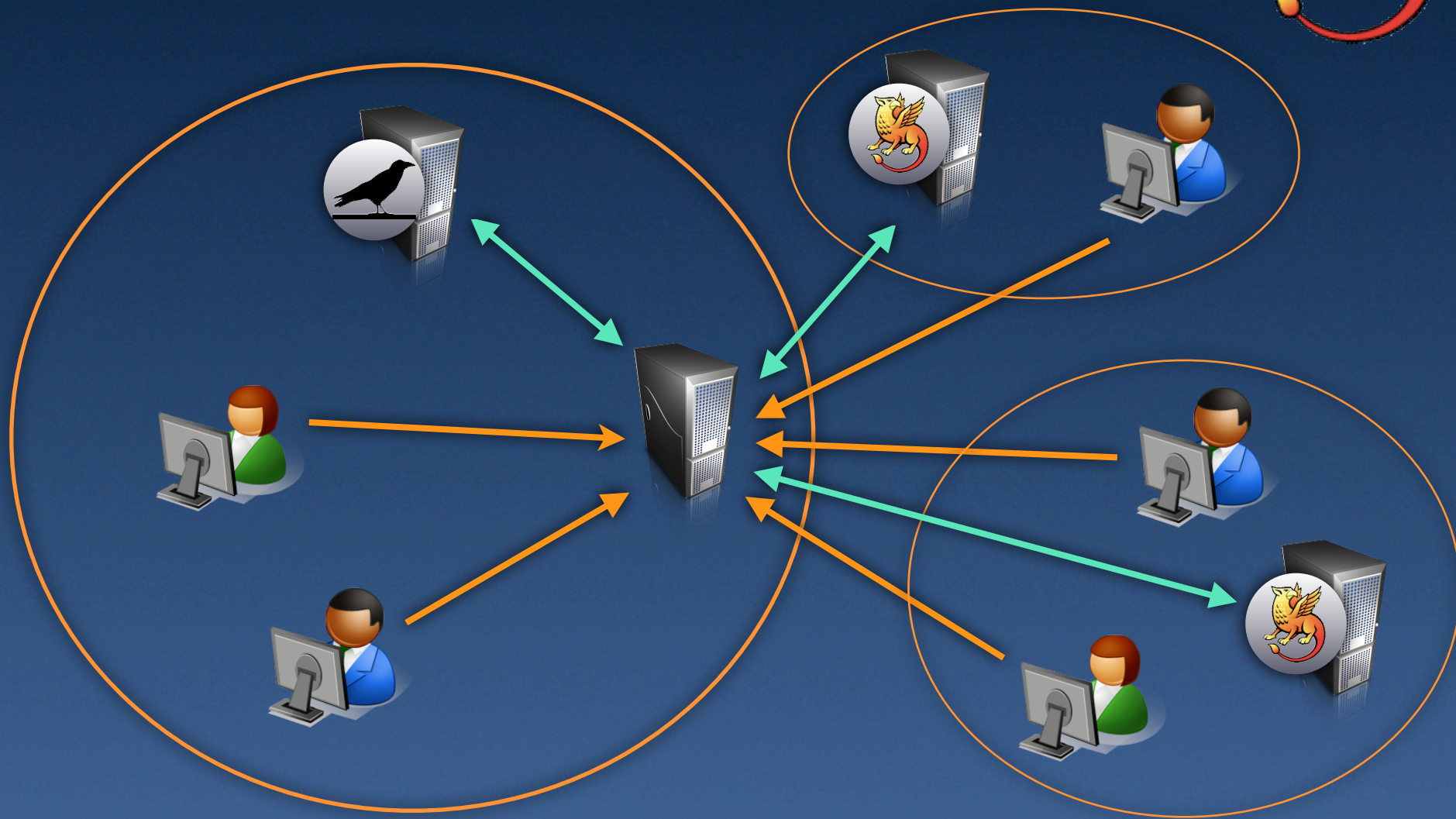
Existing software



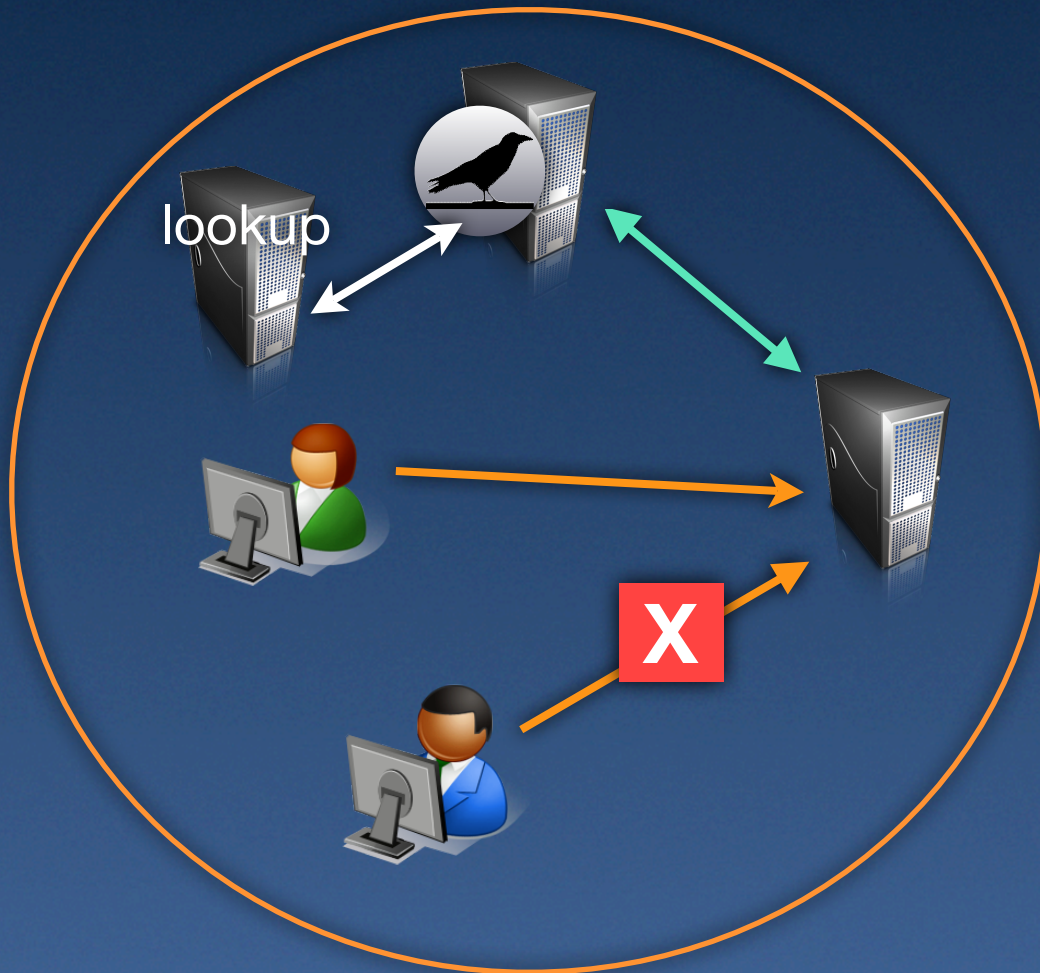
“Other people”



Federation



Authorization decisions



So, how do I do it?



- Install the software
 - Installer to Windows (for IIS or Apache)
 - Ports-based install for MacOS
 - Binary RPMs for SLES10 and CentOS (a.k.a. RHEL)
 - Source RPMs and source files

So, how do I do it? (2)



- Customize config files (shibboleth2.xml)
- Start Shib daemon, (re-)start Webserver
- Test
- Gives you a simple SP protecting /secure/ by requiring a Raven login
- Customize

What's the catch?



- XML-based config files (even under Windows!)
- All that software
- SSL and certificates and stuff
- Need to actually *understand* virtual hosting
- An extra daemon/process
- Generally more complicated :-((



article discussion edit history protect delete move unwatch

Shibboleth documentation and HOWTOs

Contents [hide]

- 1 Deploying Shibboleth SPs in the University
 - 1.1 Instructions
 - 1.2 Additional information
 - 1.3 Resources
- 2 Other University Shibboleth information
- 3 Shibboleth Implementation Project documents

Deploying Shibboleth SPs in the University

This page provides information about deploying Shibboleth SPs in the University, either just to protect sites with Raven or with a Shibboleth SP, potentially letting in people from other institutions. This information about deployment of [version 2.1 of the Shib SP software](#) and other software, should work but the Computing Services team is testing anything else. Note that version 1.3 of the Internet2 SP software was released on 30th June, 2010.

Instructions

- Installing SP2.1 under Linux
- Installing SP2.1 under Windows
- Installing SP2.1 for Apache under Windows
- Installing SP2.1 under MacOS
- SP registration
- Configuring access control
- Virtual hosting issues

Additional information

- Editing XML
- EntityIDs
- SP Metadata
- Attributes released by the Raven IdP
- SSL, certificates and security
- FAQs

navigation

- [Main Page](#)
- [Recent changes](#)
- [Random page](#)
- [Help](#)

search

toolbox

- [What links here](#)
- [Related changes](#)
- [Upload file](#)
- [Special pages](#)
- [Printable version](#)

So how do I cope?



[https://wiki.csx.cam.ac.uk/raven/
Shibboleth_documentation_and_HOWTOs](https://wiki.csx.cam.ac.uk/raven/Shibboleth_documentation_and_HOWTOs)

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shibboleth-users@internet2.edu

That's all folks

Questions?