

Introduction to Shibboleth and the **iamsect** Project





What is Shibboleth?

- Authentication management
- Authorisation management
- (Open Source) Software
- A decentralised, key-based trust model
- Web-based



Overview

- Users and Services, now
- Users and Services, with Shibboleth
- ID Providers
- The IAMSECT Project

- Demonstration #1 - Shibboleth & BB
- Demonstration #2 – BIOSIS (live)
- Questions



Users and Services - now

Users

- Many username & password pairs
- Tools to manage them
- Means of Coping

Services

- Managing user lists
- 'remote users'
- Keeping up-to-date

- Confidentiality
- Security

User and Services - Shibboleth



Users

- One Home institution
- One username and password

Services

- No user lists
- Federations

How?



Identity Providers

- Assert someone's identity
- You want your users to access remote services
- Only worry about your own users



Federations

- Groups of Identity & Service Providers
- A set of agreed policies
- Mutual trust (via symmetric keys)



- Inter-institutional **A**uthorisation **M**anagement to **S**upport **e**Learning with reference to **C**linical **T**eaching



- JISC funded
- Collaboration between Durham, Northumbria, Newcastle
- Shibboleth isn't trivial
- Technical issues
- Managerial issues
- Confidentiality - Clinical Teaching



Demonstration #1 (theoretical)

- At present, theoretical
- Durham Blackboard (Service Provider)
- Newcastle login (Identity Provider)

Demonstration #1



User attempts to access Service





duo Durham University Online

Welcome to duo

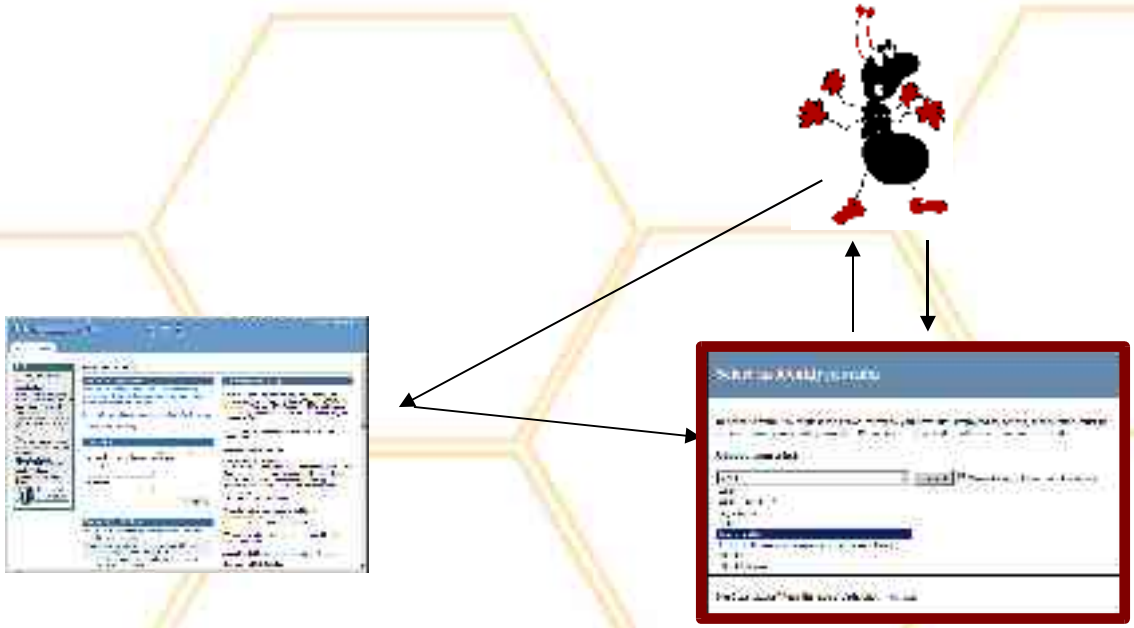
Faculty Handbook
See details of all modules here.
[Interactive Timetable 1](#)
[Interactive Timetable 2](#)
Use these links to check your module timetable.
For info on using the timetables see the instructions here. Check for assistance in choosing modules, or visit your department.
The ITS Helpdesk will provide information about your department's program.
SPA Timetable
Select Timetable to see the All grid.
Please note the new SPA Monday 23 October.

ITS Message of the Day
Closure of ITS Courtyard Computer Classrooms
The Computer Classrooms C0055, C0056 and C0058 will be closed from Thursday 16th December 2004 until Monday 17th January 2005 whilst contractors are refurbishing an adjacent building.
 Facilities will continue to be available in all other ITS classrooms.
 Read our Customer Services
Interruption to Service
There will be an interruption to the connection between the University of Durham main site and the Queen's Campus area between 0700 and 0500 hours on Tuesday 21 December 2004 whilst essential maintenance work is performed on the Queen's Campus network.
Computer network connections and telephone connections between the two campuses will be affected by the work.
 Apologies for any inconvenience caused by this periodic downtime.
Acting Head of Network and Infrastructure Services.
Changes to MDS Service

Durham University News
▶ [Durham is one of the top science impact Universities in the world in 2004](#)
▶ [Durham University to offer scholarships with local exiles's £1 million thank you a year](#)
▶ [Call for Government action to tackle the needs of UK's 10 million 7+ year olds](#)

University of Durham

User redirected to 'WAYF'



<https://wayf.sdss.ac.uk/shibboleth-wayf/...>

Select an identity provider

In order to fulfil the request for a web resource you have just attempted to access, information must be obtained from your identity provider. Please select the provider with which you are affiliated.

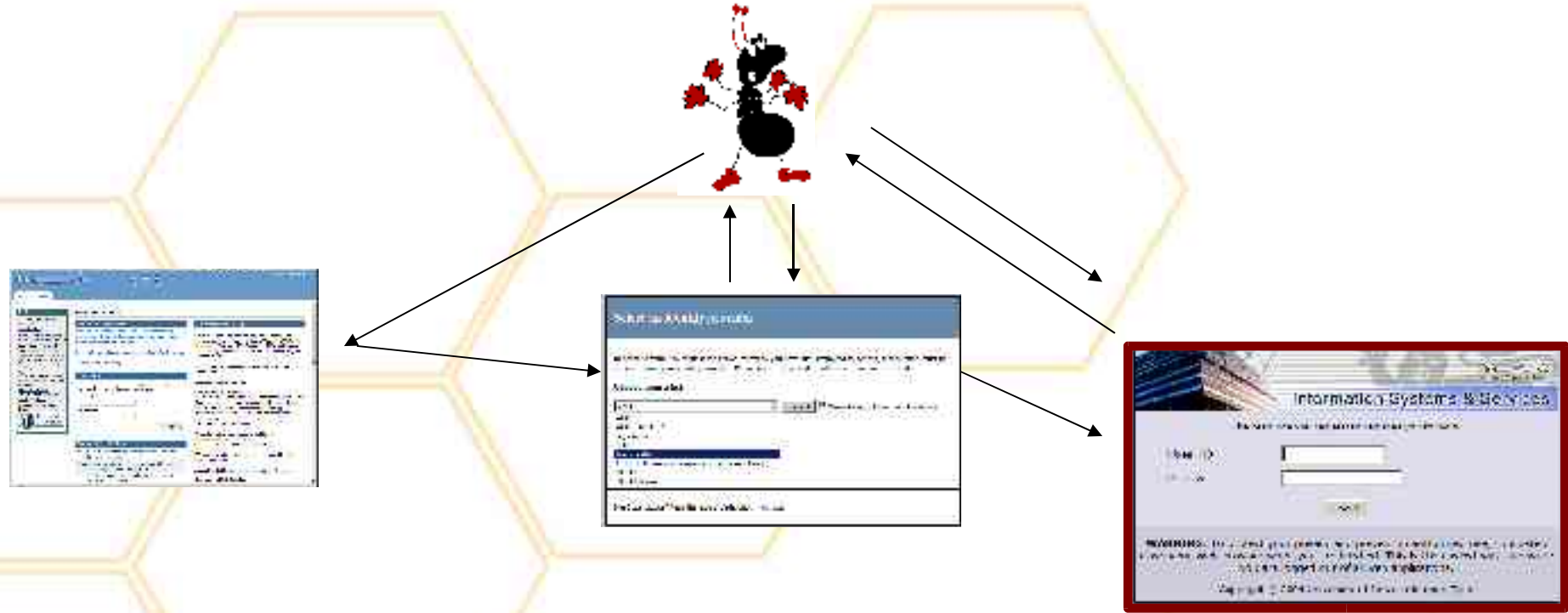
Choose from a list:

Remember my selection on this computer.

- AMIE
- AMIE_AUTHZ
- icy.org.uk
- LSE
- Newcastle**
- Oxford University Computing Services (Test)
- SDSS
- SDSS Nevis

Need assistance? Visit the [SDSS Federation web site](#)

User selects their Identity Provider



<https://weblogin.ncl.ac.uk/cgi-bin/index.cgi>



Home Contact Search

Information Systems & Services

The resource you requested requires you to login.

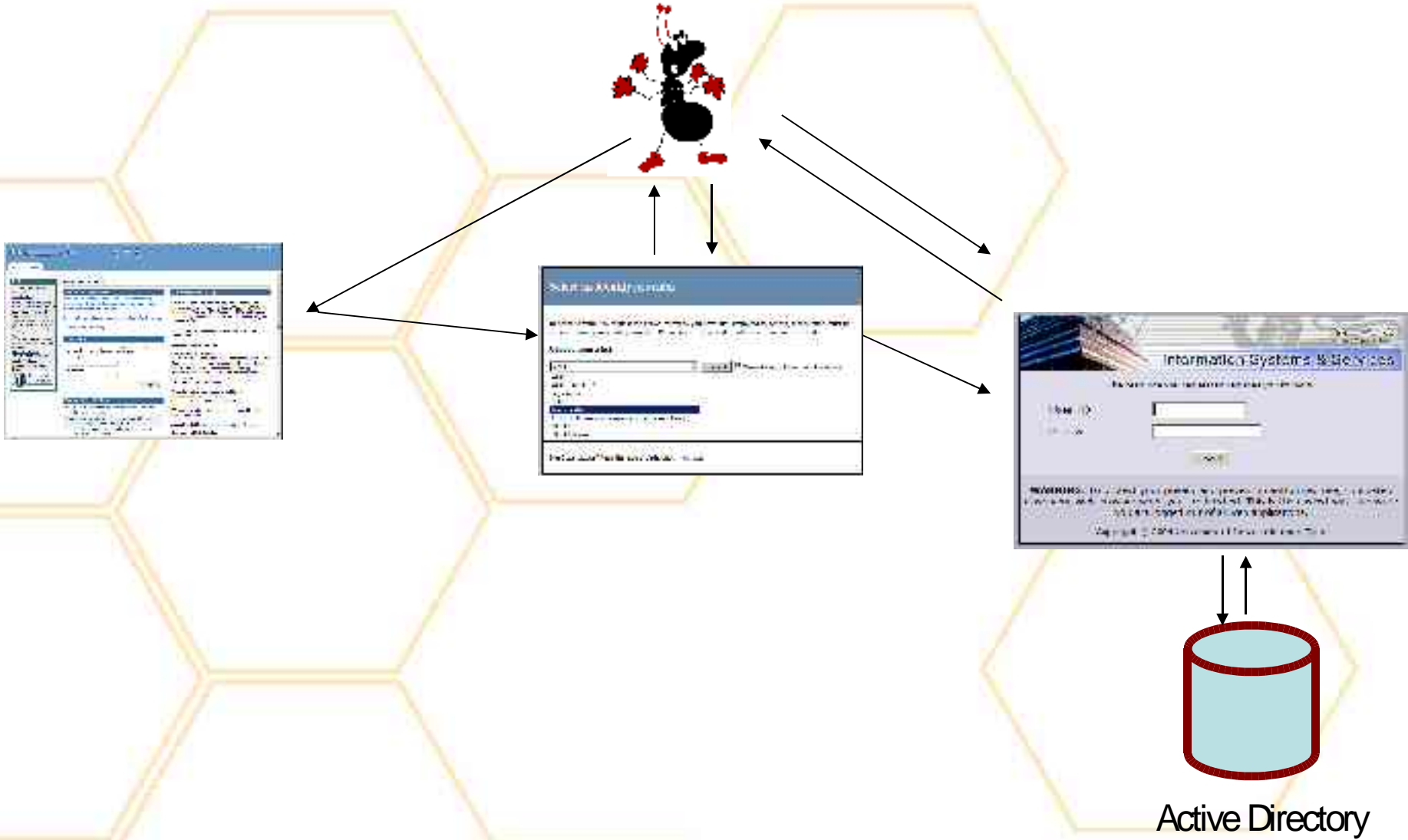
User ID

Password

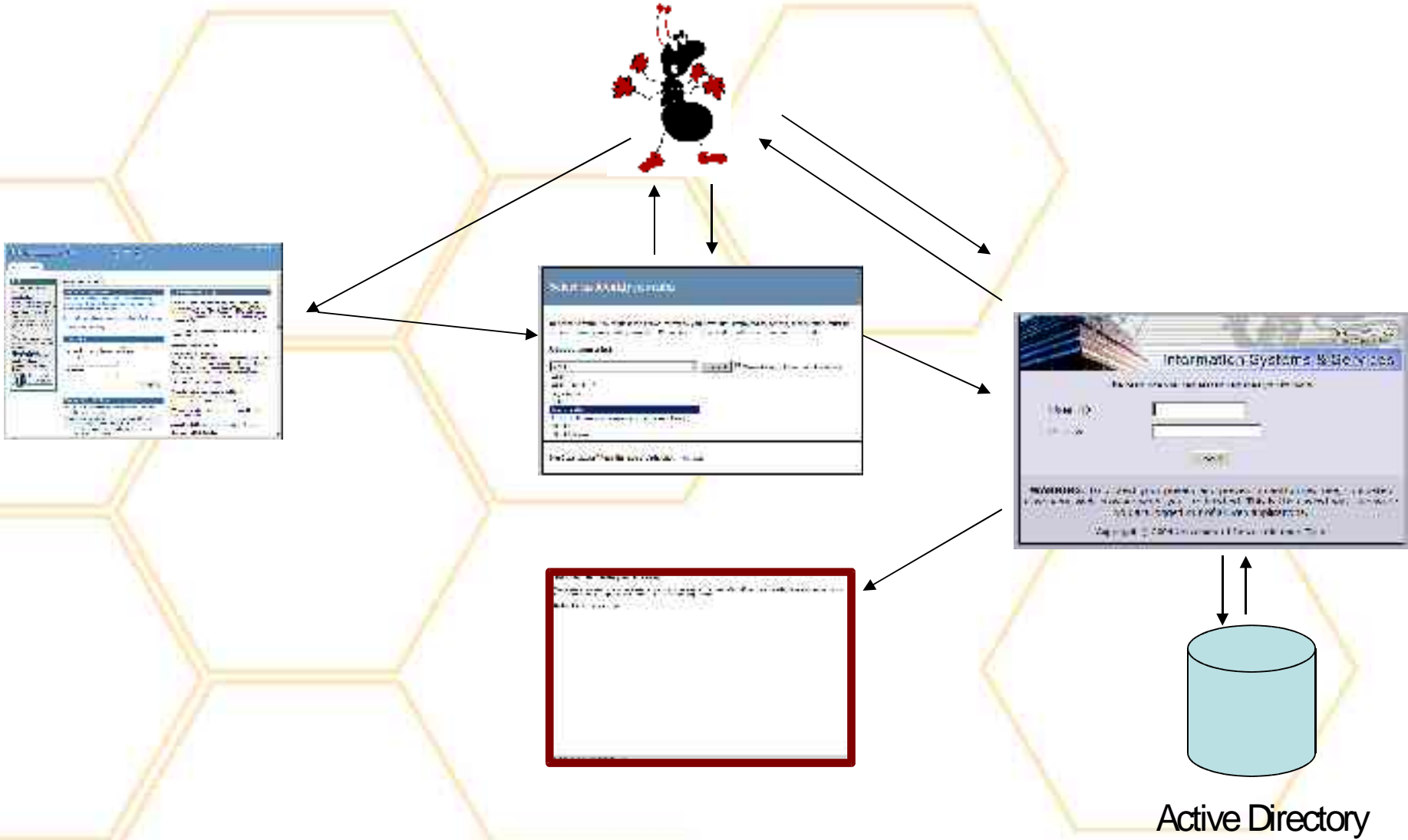
WARNING: To protect your privacy and prevent unauthorized use, completely close your Web browser when you are finished. This is the easiest way to ensure you are logged out of all web applications.

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I.P. authenticates User



User redirected back to Service



<https://shib.ncl.ac.uk/shibboleth/HS?...>

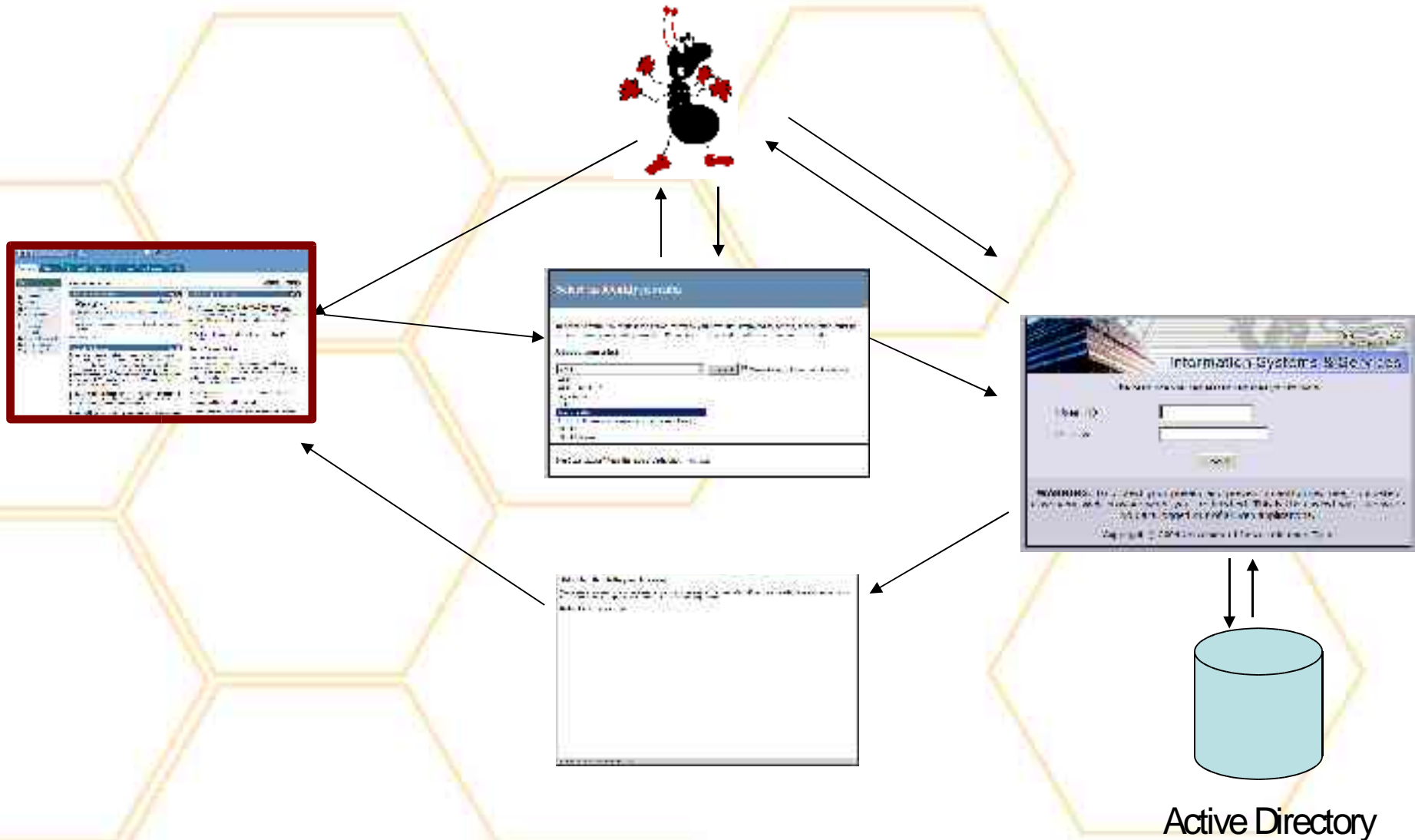


Shibboleth Handle Request Processed

You are automatically being redirected to the requested site. If the browser appears to be hung up after 15-20 seconds, try reloading the page before contacting the technical support staff in charge of the desired resource or service you are trying to access.

Redirecting to requested site...

User accesses Service



<http://duo.dur.ac.uk/>

duo Durham University of Durham
Home Help Logout

Welcome Courses Community Library Webcam Instructors PDPs

Tools

- Announcements
- Calendar
- Tasks
- View Grades
- Send E-mail
- User Directory
- Practical Information
- Change Password
- Help Programs
- Buy Printer Credits

Welcome, Johns Contents Layout

Durham University News

- Durham University to offer scholarships with Iraqi exile's £1 million thank-you donation
- Call for Government action to tackle the needs of British Muslims 28 Nov 04
- Distinguished neurosciences expert delivers Tierler lecture 2 Nov 04

[View news and events](#)

Instructor Information

We request in some queries, courses which show only the module title and the new courses for 2004/5. You will see them identified in the Control Panel or on the Courses tab with the module code suffixed by _2004. These are ready to use - please use these courses and not your 2003/4 courses, which are all labelled Title (03/04). Access to 03/04 courses will be removed early in September.

If you are missing courses on your list which you are teaching in 2004/5, please go to the Instructors tab and you will see a form to request instructor access to new modules.

If you need help, remember there is a dedicated email address of duo_help@durham.ac.uk - please use this in the first.

ITS Message of the Day

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Head of Customer Services

Interruption to Service
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Demonstration #2 (live)

- EDINA BIOSIS e-journal Service
- SDSS federation WAYF
- Newcastle Identity Provider

Questions

