

# Institutional Case Study

## Kidderminster College



**IMPLEMENTING UK FEDERATION**

**BY**

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## Introduction

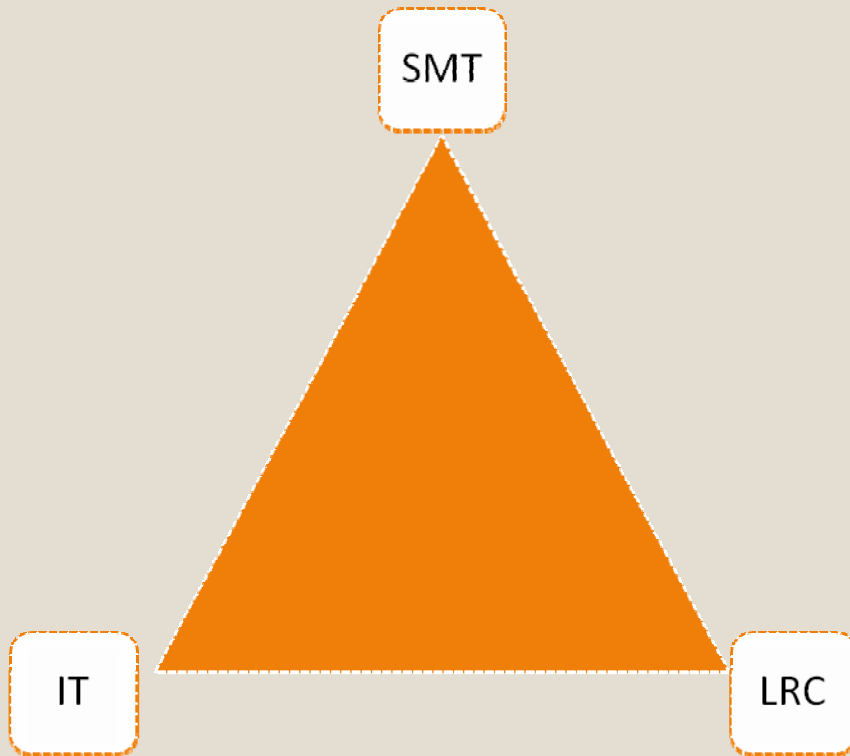
What I will be covering in this presentation

- How as a College we have strategically implemented UK FAM
- Our planning & decision making
- What technology we Implemented
- What we viewed as potential problems & the benefits since implementing
- The future

# Planning & Decisions



## Key Personnel



## AGENDA

- Arrange Strategy Meeting with SMT/LRC/IT Services
- Assess Server Requirements
- Organise Directory Development
- Verify Attribute Requirements
  - - check UK Federation website
  - - update schemas
  - - update attributes regularly
- Review Authentication Development
- Set-up Firewall Access
- Obtain a Certificate
- Join the UK Access Management Federation
- Establish an IdP Implementation Timeline.

# Planning & Decisions



## Key Decisions

- Audit Resources
- Keep Athens?
- SMT wanted Single-sign-on
- Access to intra-institutional resources
- Invest in this technology
- Invest in Staff
- Service Level Agreement

## Out-Comes

- Audit via curriculum managers, stats from students usage, requests to LRC
- No Athens: Resources we will use are (or soon will be) provided via the UK federation
- Creating a “Portal” and embedding links within the VLE/Portal, students to access online resources within a single click
- Access to Core College Repository, Web-Applications and VLE
- Hardware, Active Directory, basic Identity Management, Portal via MS SharePoint/intranet
- Training
- Agreement and scope of support

# Technology Implemented



## Key Decisions

- Windows or Linux?
- Server Spec
- How to keep things up-to-date automatically
- Shibboleth enable the internal web-applications
- What version of Shibboleth
- E-Books

## Out-Comes

- We started with Windows IdP, but now moving to Linux
- Moving to VMware with multiple IdP's for resilience and load-balancing
- Implemented scripts to keep our AD updated linking to College MIS
- VLE, Portal Repository etc..
- 1.3 move to Shibboleth 2
- EZproxy for IP base resources

# Problems & Benefits



## Key Thoughts

- Possibly more things could go wrong?
- The perception of resources via the UK federation
- Connecting to other institutions
- Can take time to understand the technology
- Collaboration
- JISC Future proofing
- Cost overheads
- LRC purchasing resources

## Benefits

- This can be overcome by training and good documentation, system risk analysis
- Better identity management
- Better security
- The ability to share resources
- Training via Janet UK and Netskills
- Better understanding between LRC & IT
- This technology is continually under development by lead developers and Universities
- Once up and running it's relatively inexpensive to run, more procedural
- LRC can shop elsewhere via publishers

# The future



## Future Thoughts

- Shibboleth 2
- Better discovery service
- Wider web-application implementation
- Using delegation tools
- Better reporting on usage

## Institutional Advantages

- Should be easier to maintain
- Staff & students accessing from home
- By September 2008 students will be able to access their Google apps i.e. Calendar, email and lots more
- To Help LRC staff to centrally control their resources
- Develop statistical tools or use existing tools

Thank-you

