

Embedding Mobile Technology in IT Infrastructure

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Objectives of Session

Strategies for embedding

- Devices
- Networks
- Systems
- Costs

Other Issues

- Ownership
- Security
- Accessibility

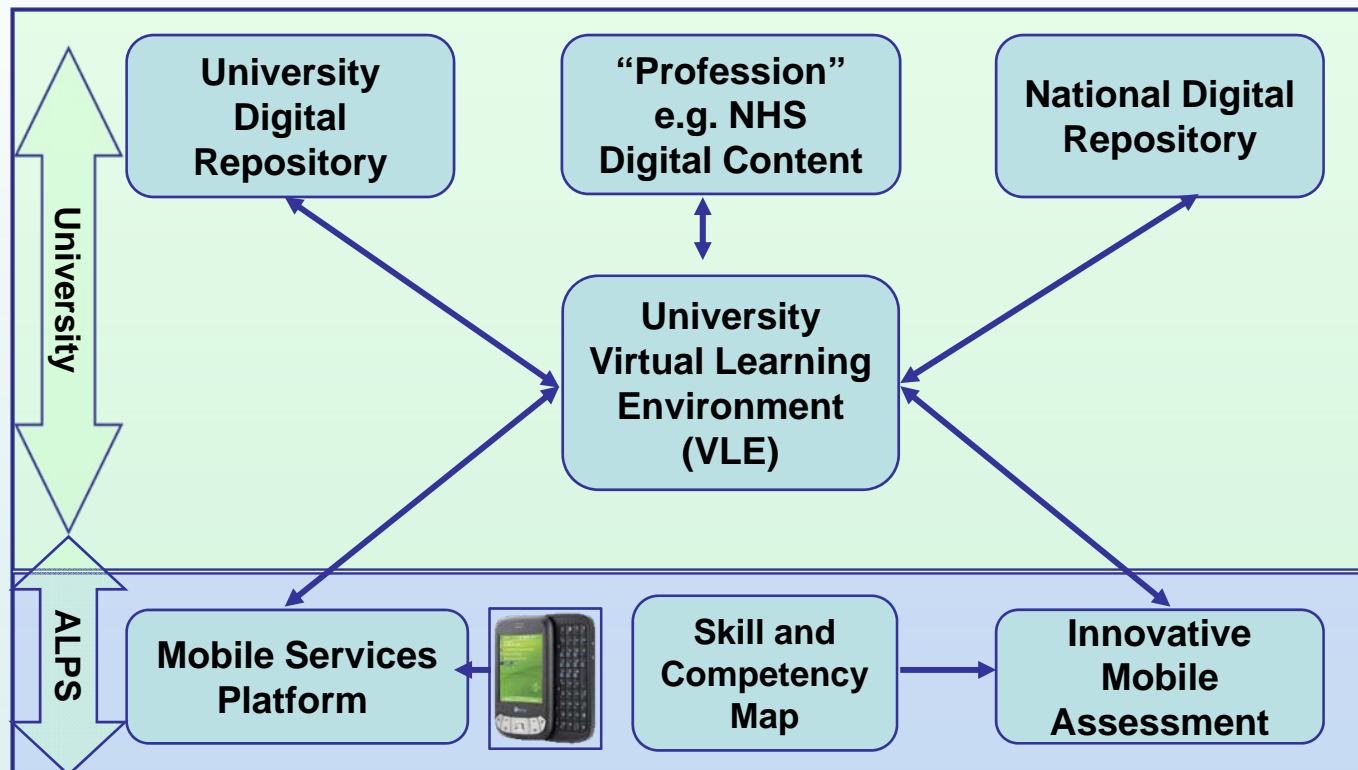
Designing the Environment

Criteria for the Architecture

- Support different Devices Types
- Mobile and wireless connectivity
- Connection to University Teaching and Learning
- Security
- Accessibility
- Manageability
- Access to Digital media resources

Architecture

The IT Architecture had to focus around the types of assessments being produced and any extra reusable learning objects



Architecture Detail

Learning and Teaching systems

- VLE – Blackboard / Moodle etc
- e-portfolios
- Digital repositories
- Management

Other Issues

- Security
- Accessibility

What do Devices look like?

- Devices are compact and very functional
- Device are very portable
- They can be tailored to specific needs
- Carried by most students?



Mobile v Wireless

On Campus

- Wireless can be excellent
- Mobile Usually Excellent
- Mobile Issues in Groups

In Practice / Off Campus

- Wireless often unavailable
- Wireless Hotspot connective unreliable
- Mobile 3G good in cities
- fair usage policies

Many students have some form of Mobile device already

Cost Models

Types of device

- Laptop / Tablet
- Mini Laptop
- PDA / Smartphone / iPhone
- Mobile phone

Costs

- Laptops – high (for lightweight ones) £600+
- Mini laptops – very accessible £200
- PDA – tied to mobile contract (£200 - £450)

Cost Models 2

Who owns the device

- University
- Student

Voice + Data?

- University provides data access
- Student pays for text and voice

Most people want to minimise the number of devices they carry

Nirvana?

Data Contract and Pay as you go Voice

All on one SIM Card

Buying the Solution

Alps Procurement

- tendering - OGC
- components or a solution?
- capital or revenue
- VAT

General Guidelines

- Contract length two years for devices
- Probably don't need more than 1Gb per month
- Free voice and data if device purchased

Software

Per user licensing

- Device Management
- Device security
- Virus Checking
- Maintenance

Need a site licence model if m-learning to be viable.



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