

End-to-End Security on the Internet Esprit Project #20563 http://www.e2s.com



Delivering Secure Electronic Transactions for Business-to-Business Electronic Commerce over the Internet

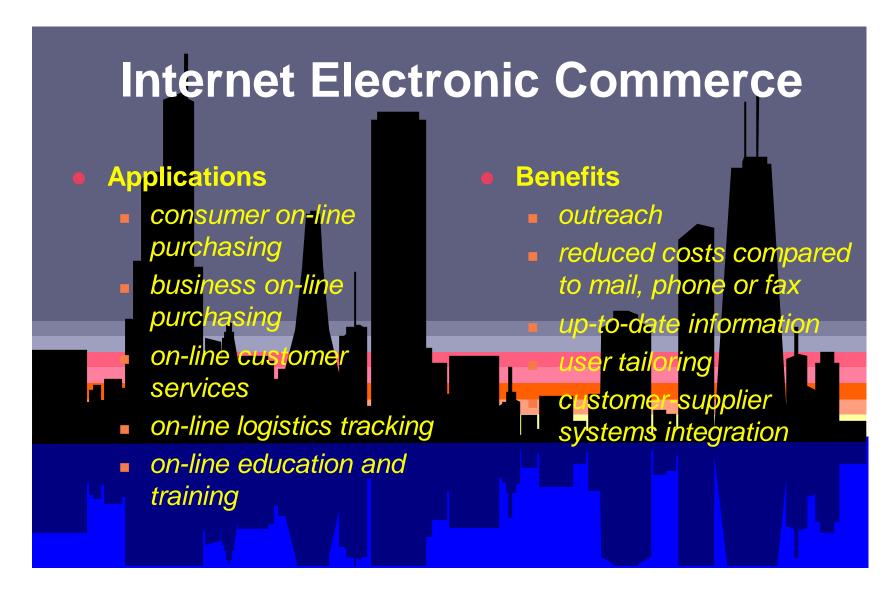
Andrew Herbert
Project Technical Director
APM Ltd

http://www.ansa.co.uk ajh@ansa.co.uk

8 September 1997

With thanks for my E2S colleagues for their slides!







E2S - End-toEnd Security on the Internet

http://www.e2s.com

35 Person-Years over 2.25 Years...

DevelopersGemPlusOnyx InternetHP-ENSD& exploitersHP LabsGMDA PMVISA

Technology Development



User Group

User-Lead Trials

Swiss Bank Corporation - Warburg HP-WCSO

TU-Berlin

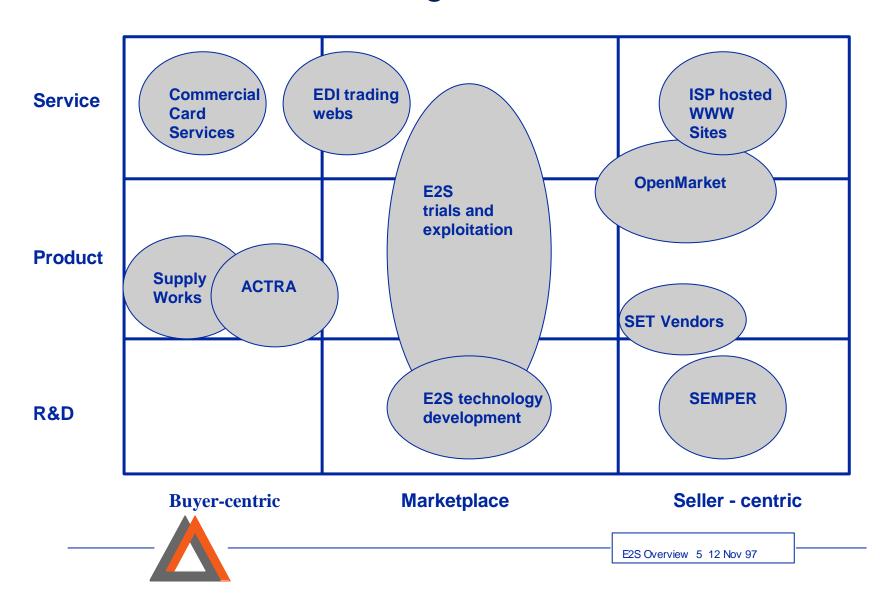
SmartCard Forum

Deliverables

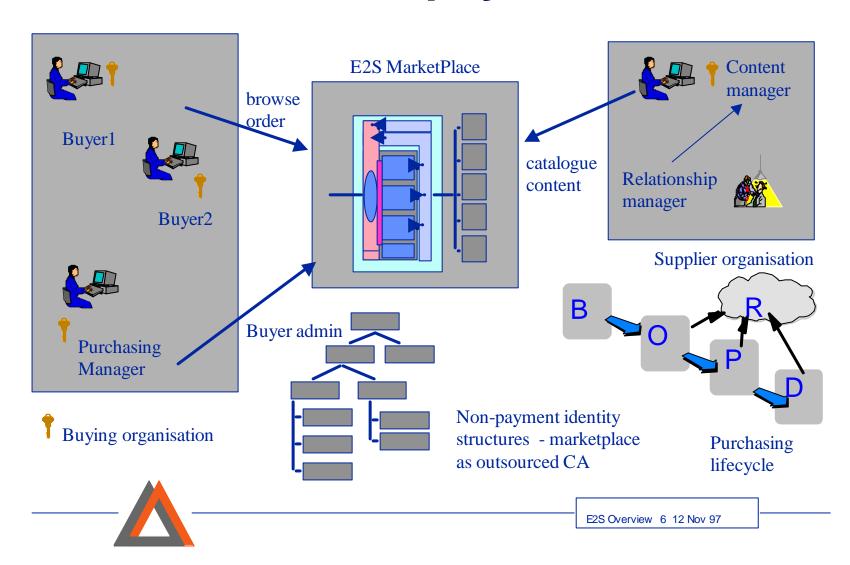
- Implementation Architecture
- Key Components
- Proven Secure Infrastructure for:
 - **◆ Information access and delivery**
 - **◆ Transactions**



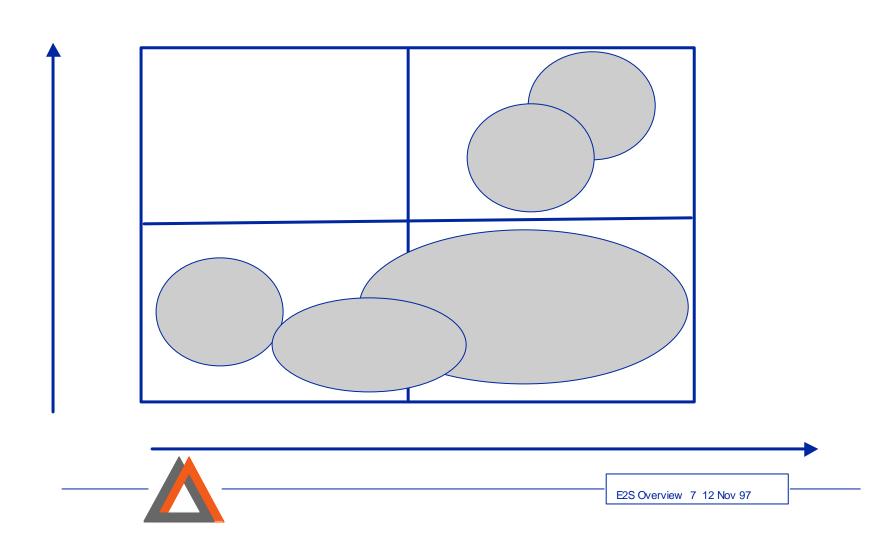
E-Commerce Segmentation



Much more than payment.....

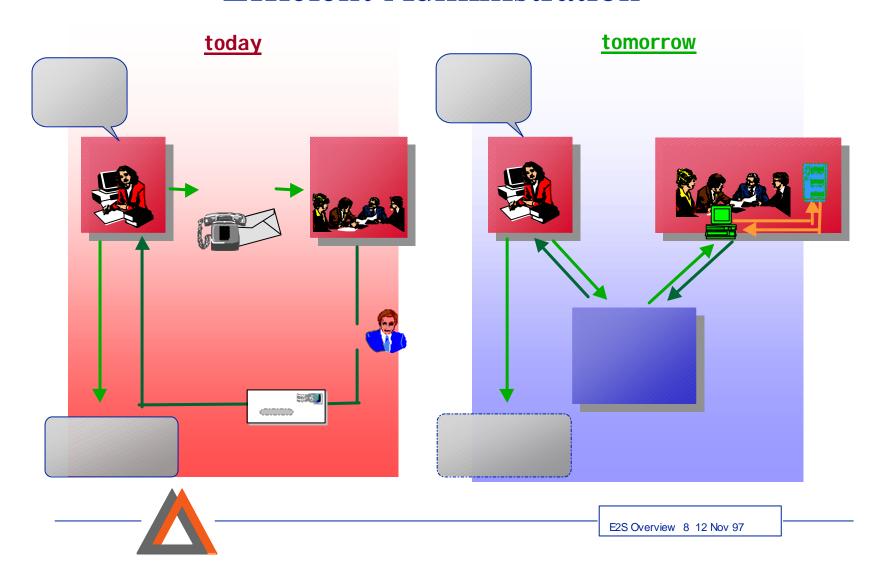


Payment Issues

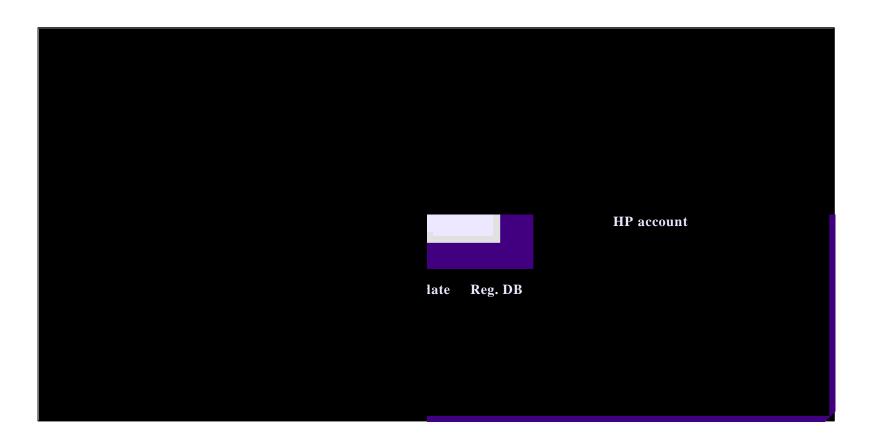




TU Berlin Demonstrator: Efficient Administration



Hewlett-Packard Demonstrator: Secure Purchase of Software





Phase I

Phase II

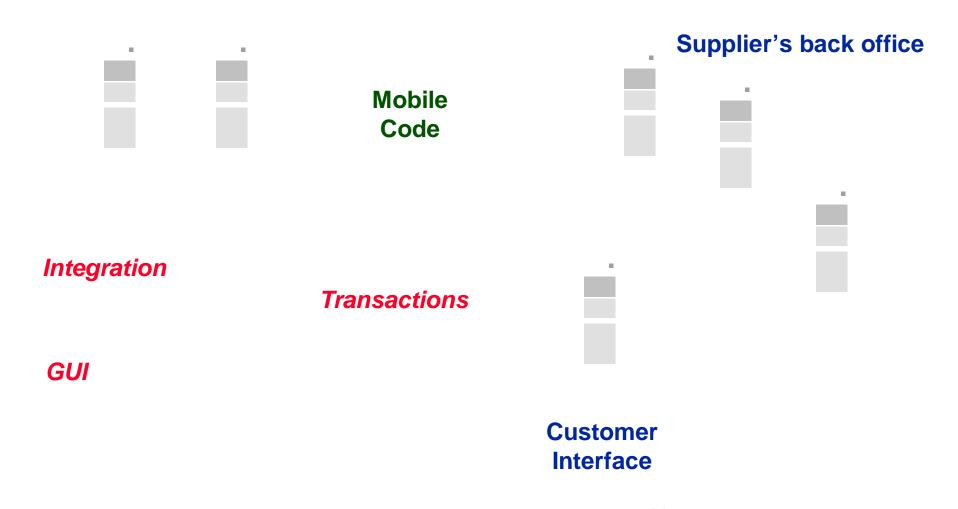
Phase III

Phase IV Goals

- Transparent client install
- End-to-end pipe

- Tight application integration
 - abolish clumsy CGI <-> application interface

Phase IV



E2S Overview 20 12 Nov 97

Safe Mobile Code

