

EDS Production Engineering Telford

PKI Capability Showcase

Dell PowerEdge 2800

Running Microsoft Virtual Server 2005



Root CA



AD DC1
IAS



Exchange 2003



Issuing CA



AD DC2
IIS
WebDAV



ISA 2004

SERVERS



Workstation
Web HTTP(S)
Outlook / OWA
Encrypted File System



Console
CA Management
Terminal Services

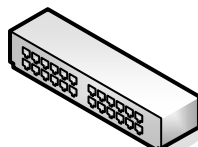
WORKSTATIONS



Laptop
802.1x NAC
L2TP VPN
SmartCard Logon



802.1x Access Point



802.1x Switch

LAN/WAN

Demonstration Capability

CA Infrastructure

- Three Tier CA Construction
- CRL Management
- Certificate Management
- Key Archival
- Key and Data Recovery
- SmartCard Enrolment
- OID Management
- RAS Policies for Wireless / VPN

AD Impact

- AD Certificate Publishing
- GPO for Certificate Enrolment
- GPO for Wireless

PKI Enabled Applications

- Web SSL Deployment
- Encrypted File System
- SmartCard Logon
- Email Signing
- Email Encryption
- OWA over HTTPS
- Outlook RPC over HTTPS
- L2TP/IPSec VPN
- EAP for L2TP
- Wired 802.1x
- Wireless 802.1x
- SmartCard for Terminal Services

Other

- Virtual Server 2005
- WebDAV (Possibly)

Certificates to Issue



Infrastructure / Server

- SSL (ISA, IIS, Exchange)
- Server Authentication (IAS, ISA)
- Enrolment Agent (SmartCard)
- Key Recovery Agent
- EFS Recovery Agent

Client / End Entity

- User Signature (802.1x)
- Email Signature (Exchange)
- Email Encrypt. (Exchange)
- SmartCard Logon (Kerberos)
- Client Auth. (802.1x, IPSec)
- EFS User