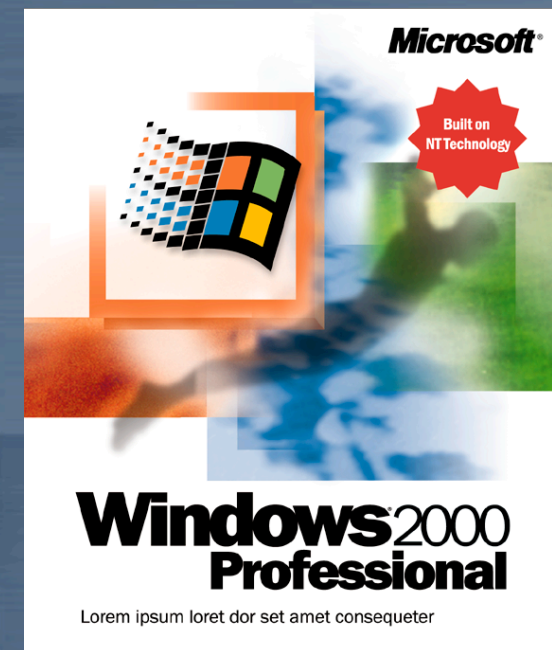


Unit 6: Protection and Security

6.6. Windows 2000 – Standards-based Security

Windows 2000 Professional

Standards Based Security



More Secure Information Access

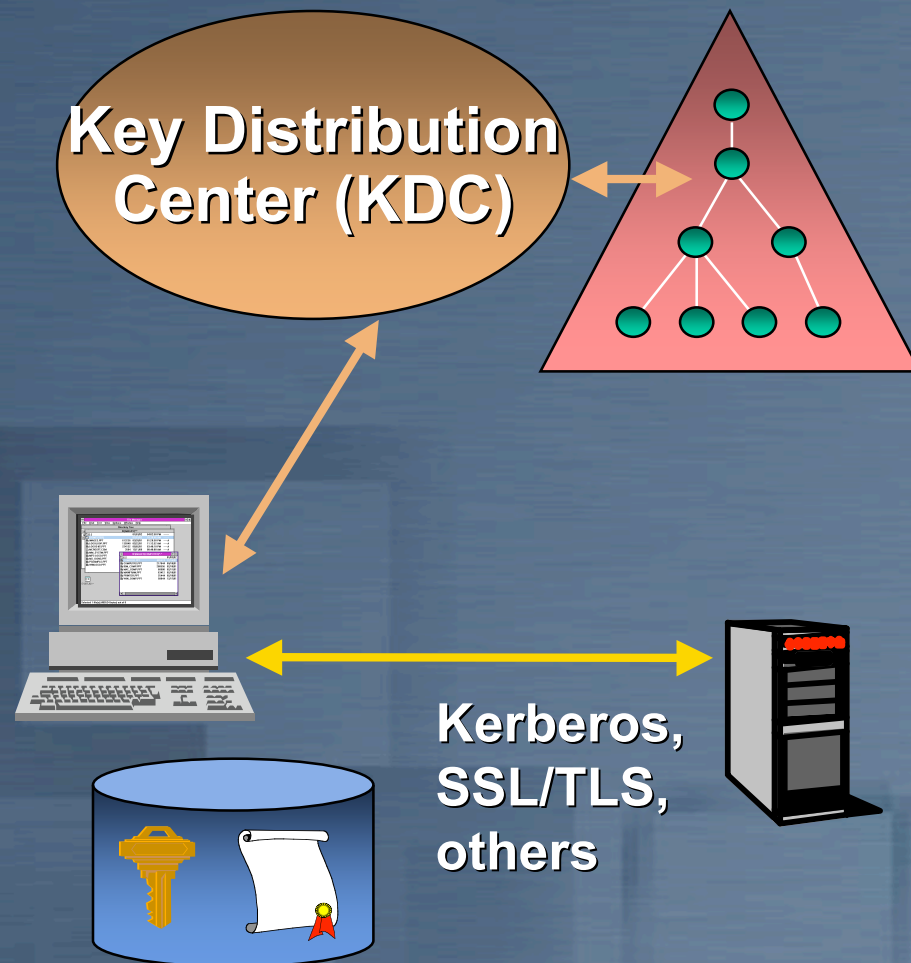
- NTFS requires authentication to access file system
- Encrypted File Systems protects sensitive data
- Native support for Kerberos authentication
- Public Key infrastructure to pass digital certificates
- IP Security to avoid access to sensitive data traveling across the wire

NTFS Encryption (EFS)

- Integral part of NTFS v5
- Encryption using unique key per file
- Enterprise data recovery using public key technology
 - Recovers individual file encryption key, not user's encryption key
- Transparent to users and applications
- Very fast operation

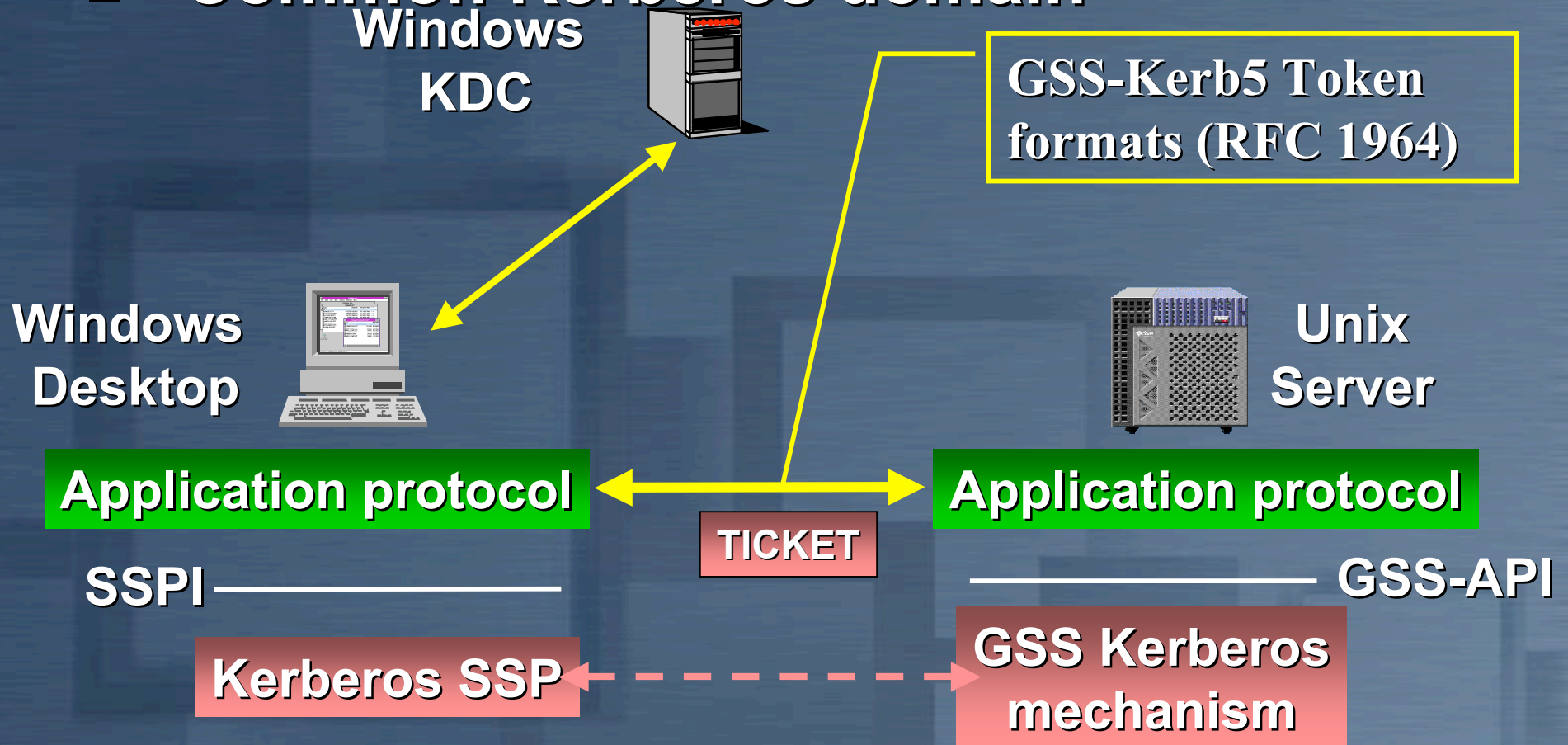
Kerberos Authentication

- Single account store in Active Directory
- Integrated Kerberos v5 logon
- Protected store for public key credentials
- Industry standard network security protocols



Cross-platform Strategy

■ Common Kerberos domain

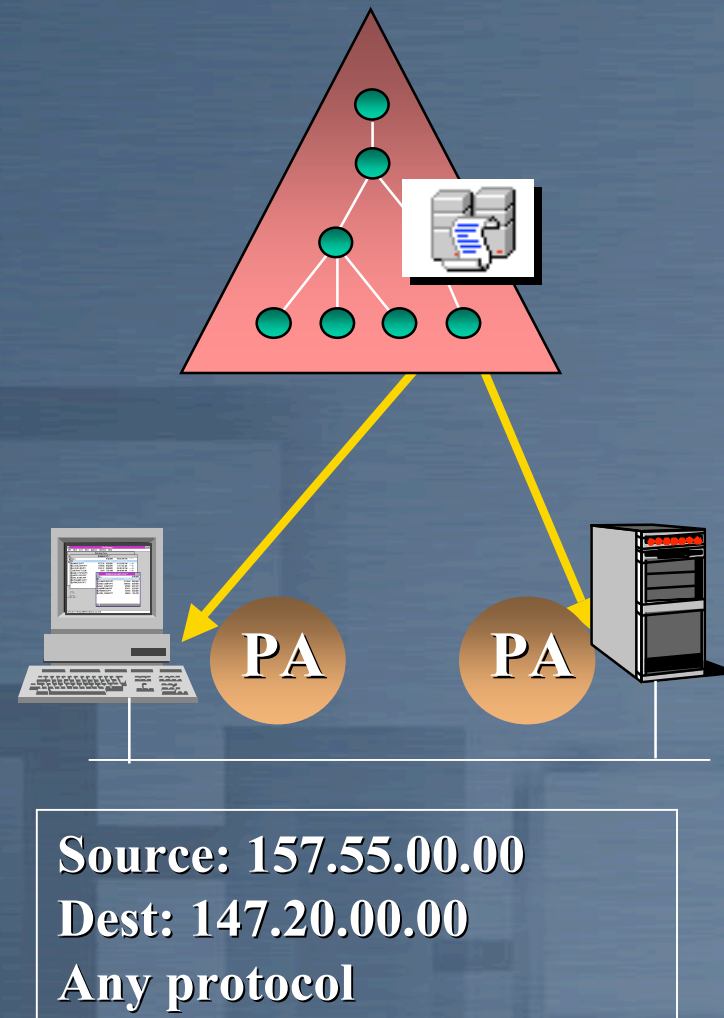


Public Key Services

- Flexible, comprehensive, and efficient security infrastructure
 - Enterprise, Intranet, and Internet apps
- Standards based
- Simplifies deployment of PK-based functionality

IP Security

- Host-to-host authentication and encryption
 - Network layer
- IP security policy with domain policy
 - Negotiation policies, IP filters
- Policy Agent
 - Downloads IPSEC policy



More Secure Resource Access

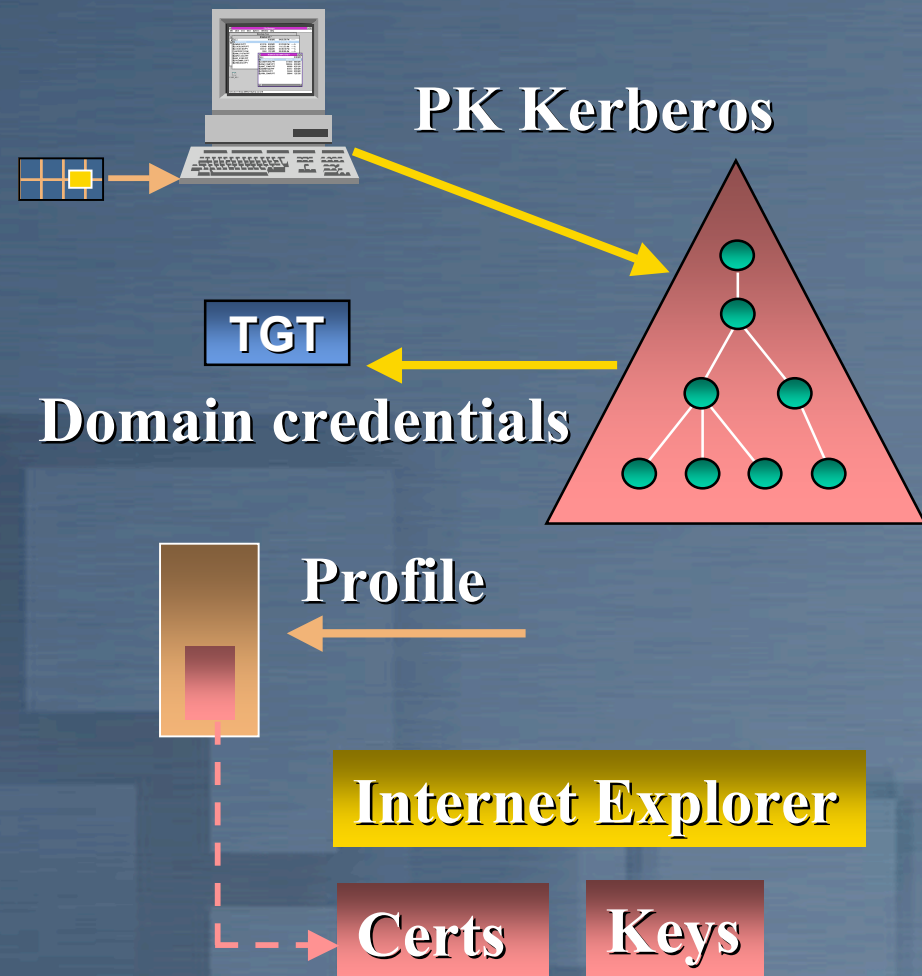
- Latest machine access support via Smart Cards
- Secure Virtual Private Networking (VPN) support to tunnel in to private LAN over public
- Easier management of security settings with Security Configuration Manager

Smart Card for Windows

- A logical extension to the Windows environment
- Low cost, 8-bit solution
- Common development tools
- Language neutral run-time environment
- Strong security
- Partitioned file system
- Unicode character support

Smart Card Logon

- Private key and certificate on card
- Public key domain authentication
- Obtain Kerberos TGT and NTLM credentials
- User profile for other keys and certificates



WHERE DO YOU WANT TO
go
TODAY?

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