

AIS/W2K pilot preview

Marc DeBonis

Marc.DeBonis@vt.edu

IS&C – AS





010417.01

Background

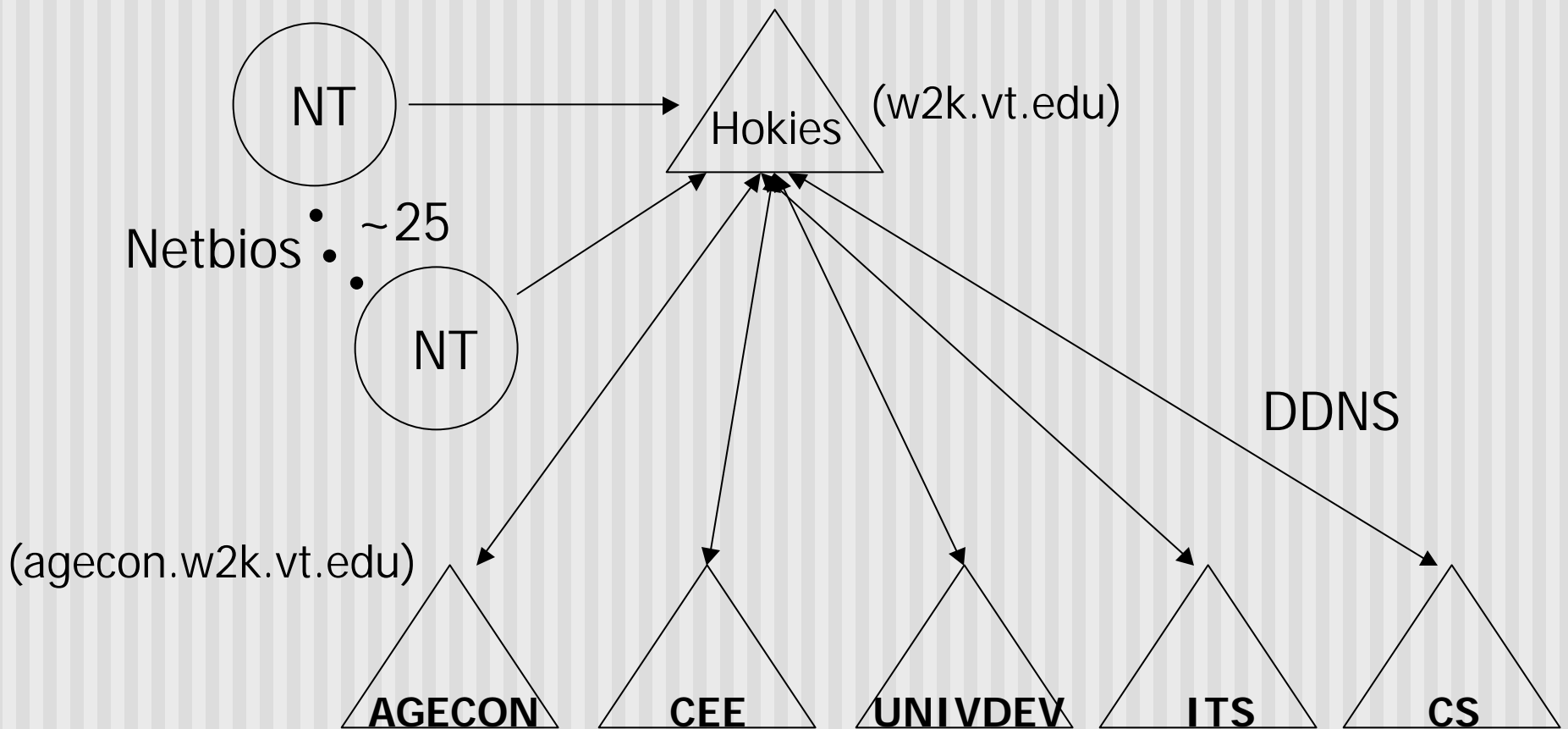
- ✍ Windows 2000 core infrastructure went production July 10, 2000
 - ✍ HOKIES (root VT AD)
 - Active Directory
 - Dynamic DNS
 - In-house tools
 - Website (<http://www.w2k.vt.edu>)

AD overview

Active Directory

-  Combines the NT domain model into a hierarchical forest, based on an LDAP (X500) directory using domain name service (DNS) as a service location and naming mechanism
-  Provides organizational units (OUs) to manage users, groups, computers, shared folders, etc.
-  Provides local, global and universal groups for security and distribution control
-  New security model allows fine-grain control of security attributes and role delegation

HOKIES/VT AD root



User accounts reside in root, resources in children

W2K features

- ✍ Provides a wide range of new benefits, features and functionality
 - ✍ Value – Lower TCO
 - ✍ Reliability – uptime (17% > NT 4, 50% > 9x)
 - ✍ Mobility – Laptop support, hibernation, APM
 - ✍ Manageability – Group policies, MMC, delegation
 - ✍ Performance – speed (27% > 9x)
 - ✍ Security – VPN, IPsec, LT2P, biometrics
 - ✍ Internet – IE 5, WebDav, Active Desktop
 - ✍ Data Access – Intellimirror, DFS, offline store
 - ✍ Hardware – PnP, USB, Firewire

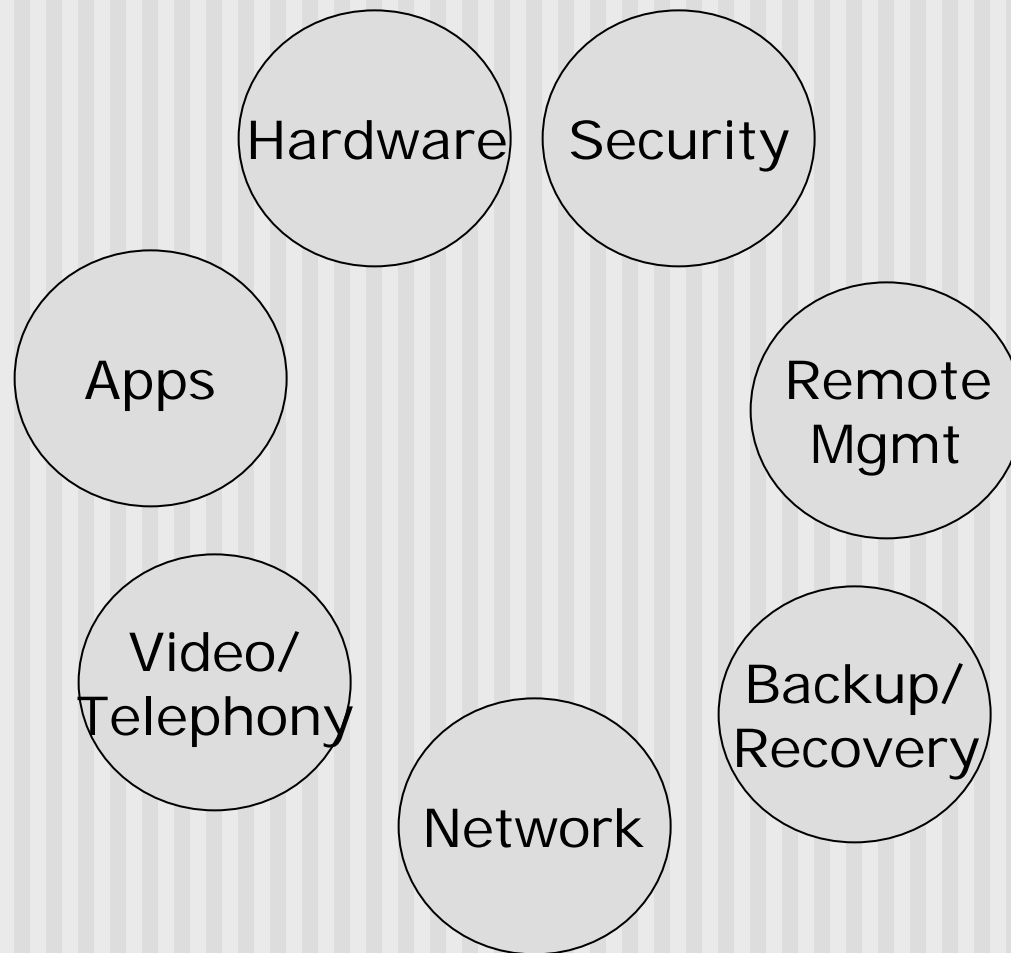
Standalone or Member?

- ✍ Only member workstations and servers have computer accounts in a child domain
 - ✍ With a computer account an authenticated user can
 - Browse the AD non-anonymously (shares, printers, people, etc.)
 - Kerberos and IPsec security
 - Secure local resources via non local accounts/groups
 - Group policies
 - Intellimirror, DFS, offline store
 - Use cached credentials for login
 - Dynamically registered IP/DNS via DHCP
 - Access resources in other domains secured by Hokies accounts

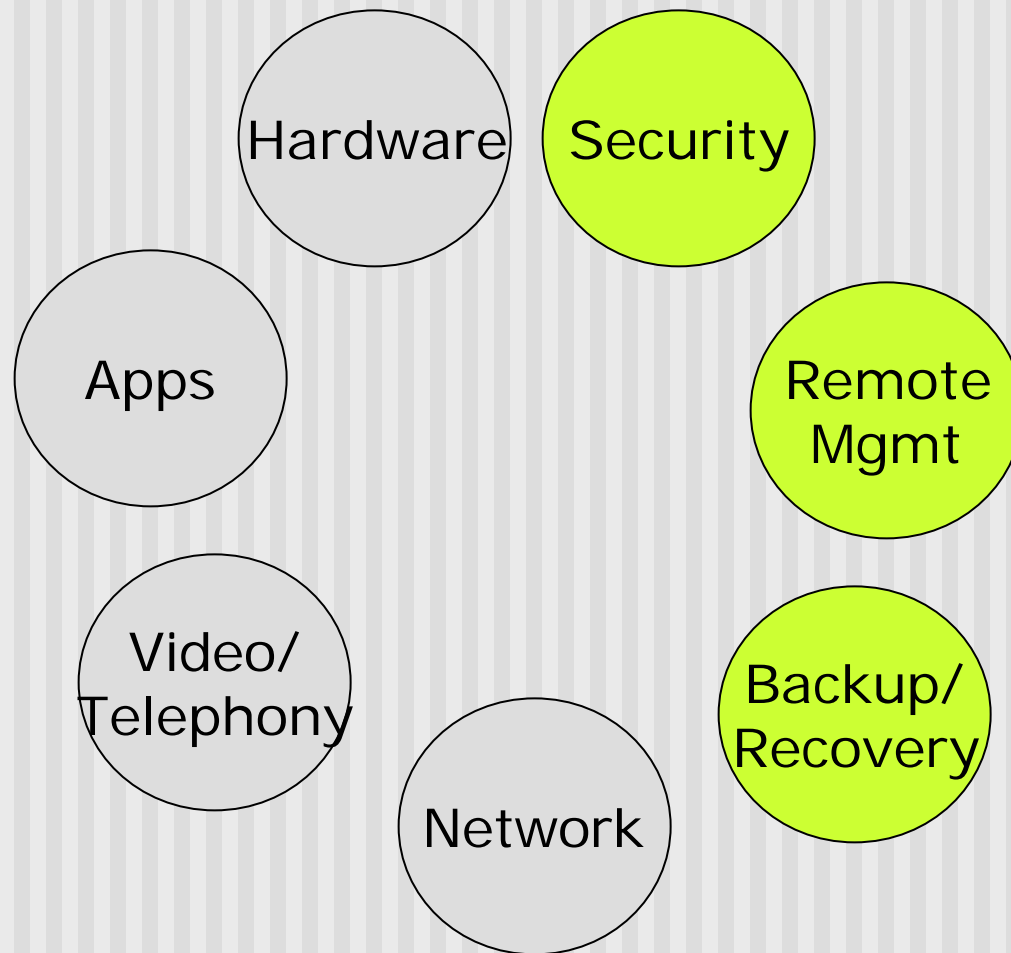
Overview

- ✍ Goal: Provide a secure, robust, and easy to manage and maintain computing environment
- ✍ Based upon concepts from W2K "vision statement" written February 2001
 - ✍ <http://www.w2k.vt.edu/vision.txt>
- ✍ Roll pilot into conversion of AIS NT 4.0 domain to W2K child domain
- ✍ Use AIS W2K child domain to showcase benefits of W2K professional and server

7 components of full pilot

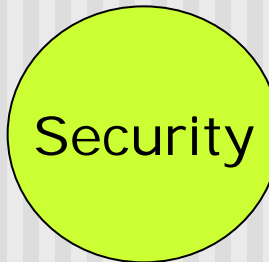


3 components base pilot

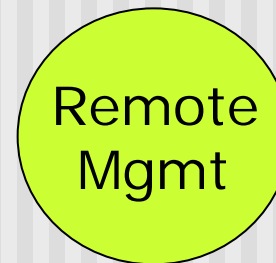


3 components base pilot

Personal firewall
Central event logging
Automatic hotfixes



Hw/sw inventory
Remote help desk
Sw distribution



Folder redirection
Offline store to NAS
Local system recovery



Timeframe (base pilot)

- ✍ Technical development
 - ✍ April – May
- ✍ KD review cycle
 - ✍ May – June
- ✍ Release to test group
 - ✍ June – July
- ✍ Long term goal: Offer this service to all Banner desktop users

For more information

Managerial lead

-  Wanda Baber (IS&C – SO)
 - wbaber@vt.edu

Technical lead

-  Marc DeBonis (IS&C – AS)
 - marc.debonis@vt.edu

Progress updates at W2K website and VTntug meetings

-  <http://www.w2k.vt.edu>
-  <http://vtntug.w2k.vt.edu>

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