

Managed Services via Windows 2000

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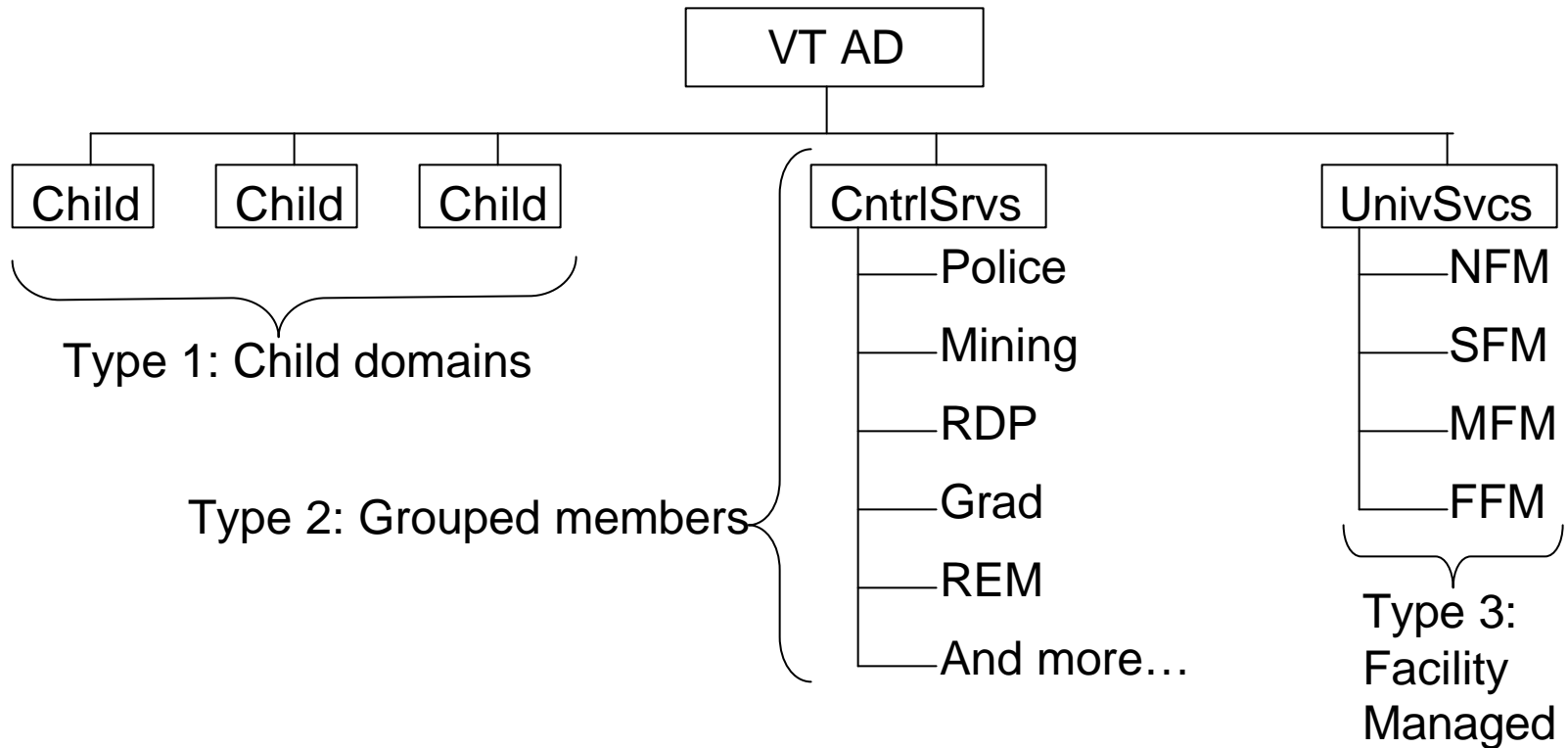
What Is Active Directory?

- Integral feature of Windows 2000 (W2K)
- A dynamic data repository (directory+)
 - Contains information about
 - Users, groups, computers, printers, shares, OUs, and system- and service-specific information
 - DNS, domains, trusts, and security policy information to maintain the AD forest
 - A user object can contain 320+ attributes
 - postalAddress, secretary, pager, directReports, etc.
- Required for W2K domain structures!

Active Directory as a Forest

- AD forest resembles an inverted tree
 - The root is at the top
 - w2k.vt.edu/HOKIES
 - Faculty and staff user accounts
 - Child domains are leaves of the tree
 - ag.w2k.vt.edu/AG
 - Resources (computers, file shares, printers)
 - Student accounts
- VT AD is very flat, like a bonsai

Active Directory view



How Is AD Being Used?

- 24x7 since July 10, 2000
- Metrics
 - 9800+ users, contacts, and groups
 - 155 organizational units
 - 15 child domains (VTF, CS, CNS, CEE, PHYS, AG, CONTROLLER, LIB, AIS, CC, ...)
- Exchange 2000 uses AD as its directory
- Replication between ED and AD to populate AD with all faculty and staff began 10/14/02
- All employees now have at least a contact in the AD

What Is a Child Domain?

- A Windows 2000 domain locally administrated in a department
 - Requirements
 - Time, \$, and staff
 - Manage your own domain controllers (DCs)
 - Two full-time DCs to meet Rules of Engagement
 - Minimum of one FTE to administrate
 - Provides great flexibility
 - Maintains local accounts and resources

What is Central Services?

- William Dougherty presents...

What Is University Services?

- A Windows 2000 domain centrally administrated by the VTmig staff
 - Requirement
 - Time
 - Provides some flexibility
 - No local accounts, only computer accounts
 - DCs maintained by VTmig
 - End user driven, no admin required
 - Component of facilities management and Hokies self service model
 - Oriented towards desktop class systems

What Is Hokies Self Service?

- A web based self service model that allows end users to
 - Read and modify their Hokies account info
 - Convert from a contact to a user account
 - Exchange enable their account
 - Modify the OU to which they belong
 - See who has delegated authority over their account
 - Manage their computer accounts, place them in facility managed OUs within University Services (NFM,SFM,MFM,FFM)
 - Define persistent centralized storage on the NAS
 - Much more...

References

- Hokies Self-Service
 - <http://selfservice.w2k.vt.edu>
- VT AD/Hokies website
 - <http://www.w2k.vt.edu>
- VT NT Users' Group
 - <http://vtntug.w2k.vt.edu>
- Central Services
 - <http://www.centernalservices.vt.edu>
- My contact info
 - Marcd@vt.edu
 - 231-2728

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