Current EA Use

Currently, the Enterprise Administrators group in Virginia Tech's

Smart Card Logon

Interactive logon in Windows NT 4.0 took the form of password challenge/response. The user was prompted for a username and a password, and a central

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Segmentation and Redistribution of EA Authority

Appendix A contains a list of all tasks which, by default, only members of the EA group can perform. In NT 4.0, there was no mechanism for dividing up Administrator privileges and delegating only some of the authority to different groups or users. In a sense, authority was an all-or-nothing deal; you were in the Administrators group, you container and all child objects. When the user account creates an object within that container, the user is auto are the steps required pre-create a child domain cross-reference for the hypothetical child domain ENG, where server1 will be the first server in that domain.

be. The object who’s ACL that you must modify to delegate that authority to a group other than EA (call it *RIS* Administrators) are the same as for DHCP servers.

Conclusion

Enterprise Administrator authority is a concern to potential customers of Virginia Tech's Windows 2000 Active Directory forest because it compromises the concept of the domain as the boundary of authority. This paper has discussed both technical and non-technical methods for mitigating that concern. The proposed technical solutions need to smart card logons, should be investigated. The process described for segmenting and redistributing EA authority should be tested, as well as the process for restricting EA access

Appendix A: Tasks that Require EA Authority

Description	Tool Used	Reason EA is required
Install Enterprise Certification Authority	Install Certificate Services using Add/Remove Programs	Creates CN=Public Key Services, CN=Services, CN=Configuration and objects in this subtree
Create new domain in forest	Active Directory Setup and Install Wizard (DCPROMO)	Creates crossRef objects in CN=Partitions, CN=Configuration
Manage Sites and Subnets	Active Directory Sites and Services snap-in	Creates and modifies objects in CN=Sites, CN=Configuration subtree
Install Certification Authority for a child domain	Install Certificate Services using Add/Remove Programs	Creates objects in CN=Public Key Services, CN=Services CN=Configuration subtree
Create Admission Control Service (ACS) policies	ACS snap-in	Creates subnet objects in CN=Subnets, CN=Sites, CN=Configuration Creates CN=ACS, CN=Subnets, CN=Sites, CN=Configuration and objects in this subtree
Install first Exchange 2000 server in forest	Exchange 2000 setup (see also /ForestPrep cmd line switch)	