



UNIXPRIV Class Resources

- Used to assign subset of SUPERUSER authority to a user
- Goal: principle of least privilege
- •Partial list of functions you can grant:
 - ability to read or write any HFS file
 - ability to change file ownership
 - ability to change file permissions/ACLs
 - ability to send signals to any process
 - ability to mount/unmount file systems

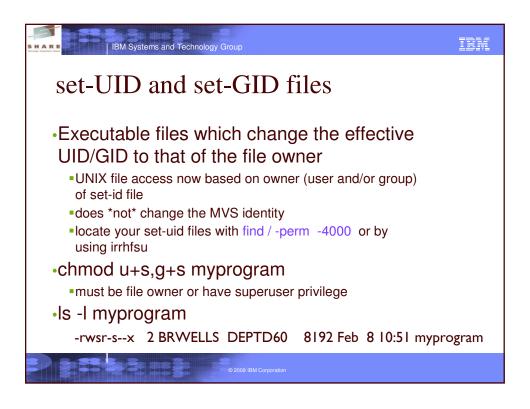
See z/OS UNIX System Services Planning for complete list of UNIXPRIV resources

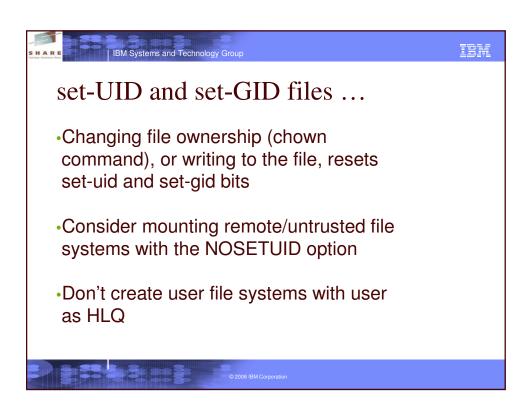
Controlling Daemons ... z/OS UNIX-Level Security •Activated by defining FACILITY BPX.DAEMON •Restricts the use of unauthenticated identity changing services •Only trusted daemons should be given authority

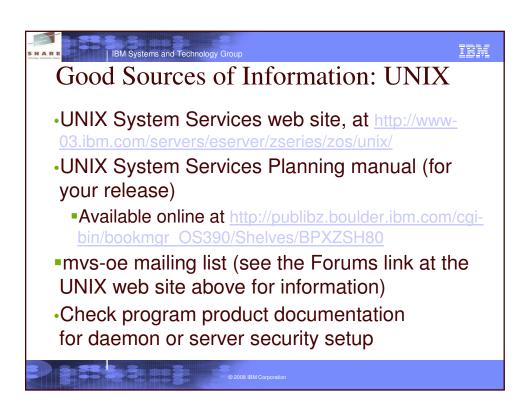
- The daemon address space must be kept clean
 If a program that is NOT a controlled program is loaded, the address space is marked dirty and cannot perform daemon activities
- •Clean environment ensures daemons perform their intended function

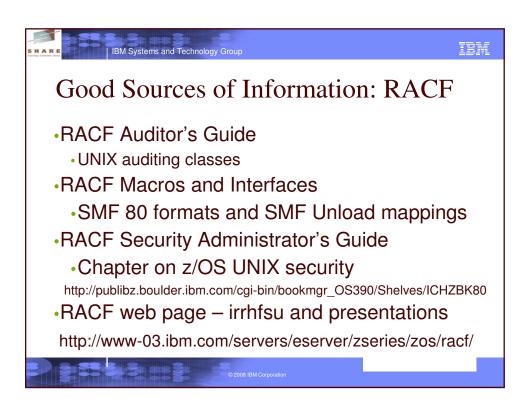
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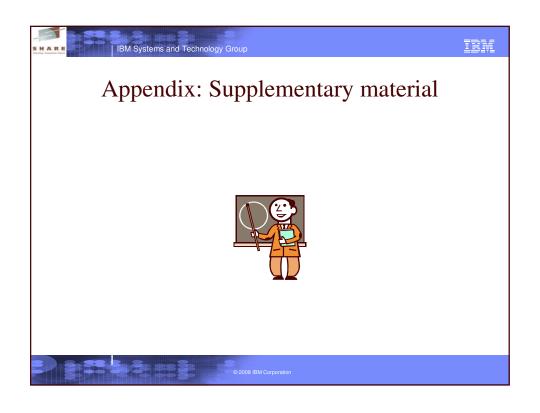












initialized to	File security info			changed by
effective UID	User (UID) owner		chown command	
parent dir's group	Group (GID) owner		chown or chgrp	
varies by function (qualified by umask)	Permission bits			chmod command
	Owner	Group	Other	
	rwx	rwx	rwx	
flags specified by open()	Flags			chmod command
	set-uid	set-gid	sticky	
read, write, and execute failures	Owner audit options			chaudit command
	read	write	execute	
no auditing	AUDITOR audit options		chaudit -a command	
	read	write	execute	
SHAREAS bit on for executable files	Extended attributes		extattr command	
contents of parent's default ACL	Access Control List		setfacl command	
SECLABEL of covering dataset	Security label			chlabel command

