

LFCS_Module2_UserandGroupManagement Cheat Sheet

by nhatlong0605 via cheatography.com/68292/cs/17201/

Creating Users, Groups useradd -s Create user anna with /bin/zsh -c 'my default shell (-s) and user' -m anna home dir (-m) id user Show user info groupadd sales Create 'sales' group Add anna to usermod -aG sales anna supplementary group 'sales' useradd -D Display default value of /etc/default/userad Configuration file for default value /etc/login.defs Additional configuration value Content in skel will be /etc/skel

Resource Access Restrictions	
yum groups install 'Directory Client'	Install the Utility
yum install authconfig-gtk	Install graphic interface of auth
/etc/security/limits.	Limit configuration file:nproc, hard limit, soft limit

dir

copied to new user home

setfacl -R -	Set ACL so 'sales' group can
m	read, execute on account dir and
d:g:sales:rx	all sub-dir on default
account	
getfacl	Display all access control list permissions (+ symbol)

Access Control List

env (environment variable) export var (store variable) unset var (reset variable) env -i bash (change environment) vim /etc/environment (set new variable) LINUX="/home/long" source /etc/environement (source new variable w/o reboot) Manage Template User Environment vim /etc/skel/.bashrc (file for setting)

Permissions		
Read	4, Read on File, Ls on Di	
Write	2, Modify on File, Create/Del on Dir	
Execute	1, Run on File, Cd into Dir	
chgrp account account	Change group owner of account dir to 'account' group	
chown anna account	Change anna to owner of 'account' dir	
chown linda.sales sales	Change user and group owner of 'sales' dir to linda, sales	
chmod g+w account	Make members of 'account' group have write permissions on account dir	
chmod 770 sales	Make user, group have read, write, execute permission; others	

/etc/skel (putting new file here

will make it default for new user

only)

yum install -y quota Install quota package vim /etc/fstab Config file for mounting file system automatically mount -o remount /quota System mounted with right options quotacheck -mavug Scan the file system quota -vu lisa Display quota on user lisa quota on -a Activating quota edquota -u lisa Edit quota limit on user lisa; soft to 10; hard to 10 edquota -b lisa linda Copy the quota limit from lisa to linda dd if=/dev/zero if input file; of output of=/quota/bigfile file; bs block size; write bs=1M count=3 3 times repquota -aug Display quota overview	yum install -y quota Ins yim /etc/fstab Coi file aut mount -o remount Ma /quota sys righ quotacheck -mavug Sca quota -vu lisa Dis lisa quotaon -a Act edquota -u lisa Edi lisa 10 edquota -b lisa linda Coi froi dd if=/dev/zero if ir of=/quota/bigfile file: os=1M count=3 3 ti	chattr +i Make ile1 attribu	file1 has "immutable" ute	
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Echo password to

change brenda's

Interactive change

password

Extended Attributes

C

By nhatlong0605

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none

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echo password |

passwd -stdin

chage brenda

brenda

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User,Group Configuration File	
cat /etc/group	Group config file
sales:x:1004:anna	GroupName:Password:GroupID:GroupMembers
cat /etc/passwd	User config file
cat /etc/shadow	User Config file
vipw -s	vi passwd consistently

Advanced Permissions	
suio	4; run as owner on file
sgio	2; run as group owner on file; inherit dir group owner
sticky	1; delete only if owner on dir
chmod u+s playme	Set UserID bit on playme
chmod g+s *	Set GroupID bit on *
chmod +t *	Apply StickyBit, other users cannot delete file created by owner

Finding files w/ special permissions		
find -perm 0600	Find file with read, write for users only	
find / -perm /4000 -exec ls -	Find files in root dir with userID bit	
I {} \;	and list it	



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