

# ACL Cheat sheet

Getting ACLs	Command String
Get ACL	getfacl file.txt
Get Default ACL	getfacl -d file.txt
Get ACL without comment	getfacl -c file.txt
Get ACL in tabular format	getfacl --tabular file.txt
Get ACLs recursively	getfacl -R /home/share
Get ACLs and show UID and GID	getfacl --numeric file.txt

Setting ACLs	Command String
Modify ACL	setfacl -m user:bob:rwX file.txt
Modify ACL - short form	setfacl -m u:bob:rwX file.txt
Modify multiple ACLs	setfacl -m user:bob:rwX,user:rob:r file.txt
Modify Group ACL	setfacl -m group:wheel:rwX file.txt
Modify Default ACL on dir	setfacl -d -m group:wheel:rwX /home/share

Removing ACLs	Command String
Remove ACL	setfacl -x user:bob,user:rob file.txt
Remove Default ACL	setfacl -k /home/share
Remove all ACLs	setfacl -b file.txt

Interesting Uses for ACLs	Command String
Copy ACL from one file1 to file2	getfacl file.txt   setfacl --set-file=- file.bak
Save ACL to a config file	getfacl -c file.txt > shareacls.txt
Set ACLs from a config file	setfacl -M shareacls.txt /home/share/*
Copy ACL to Default	getfacl /home/share/   setfacl -d -M- /home/backup/
Revoke write access to all users/groups	setfacl -m m::rx file

Copy/Preserve ACLs	Command String
Copy files with ACLs	cp -p /home/share/file.txt /home/backup/
Archive files with ACLs	tar --acls -czvpf archive.tar.gz /home/share/
Get ACL Tree and store in file	getfacl -R /home/share/ > Tree.facl
Restore ACL Tree	setfacl --restore Tree.facl