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| <https://vishmule.com/2015/06/11/access-control-list-acl-permissions-in-rhel7centos7/>  The filesystem needs to be mounted with ACL support enabled. XFS filesystems have built-in ACL support and Ext4 filesystem in RHEL7 have ACL option enabled by default |

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| acl package should be already installed, to check it run: dpkg -s acl.  To use ACL's you should enable it for your filesystem. But it can be **already enabled**. To check it use tune2fs -l. Substitute /dev/sda6 for your system:  $ tune2fs -l /dev/sda6 | grep "Default mount options:"  Default mount options: user\_xattr acl  If you see **acl** word - it is already enabled for device /dev/sda6.  If you don't see **acl** word - run tune2fs -o acl /dev/sda6 to enable it. |

[Applying default permissions](http://www.linuxquestions.org/questions/linux-desktop-74/applying-default-permissions-for-newly-created-files-within-a-specific-folder-605129/)

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| |  |  | | --- | --- | |  | <https://unix.stackexchange.com/questions/1314/how-to-set-default-file-permissions-for-all-folders-files-in-a-directory>  This is an addition to Chris' answer, it's based on my experience on my Arch Linux rig.  Using the default switch (-d) and the modify switch (-m) will only modify the the default permissions but leave the existing ones intact:  setfacl -d -m g::rwx /<directory>  If you want to change folder's entire permission structure including the existing ones (you'll have to do an extra line and make it recursive -R:  setfacl -R -m g::rwx /<directory>  setfacl -R -m g::rwx /<directory>  eg.  setfacl -R -m g::rwx /home/limited.users/<directory> // gives group read,write,exec permissions for currently existing files and folders, recursively  setfacl -R -m o::x /home/limited.users/<directory> //revokes read and write permission for everyone else in existing folder and subfolders  setfacl -R -d -m g::rwx /home/limited.users/<directory> // gives group rwx permissions by default, recursively  setfacl -R -d -m o::--- /home/limited.users/<directory> //revokes read, write and execute p | |

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| getfacl /NAS\_INGEST02/cms/repository/asset/\*  we can verify:  getfacl /<directory>  Output:  # file: ../<directory>/  # owner: <user>  # group: media  # flags: -s-  user::rwx  group::rwx  other::r-x  default:user::rwx  default:group::rwx  default:other::r-x |