How to use “xfs\_admin” command to change parameters of an XFS filesystem

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Use the xfs\_admin command to change the parameters of an XFS file system. You can also use the xfs\_admin command to view the file system label and UUID:

# xfs\_admin -lu /dev/mapper/vg\_test-lv\_test

label = "XFS"

UUID = e6c8b645-b1c8-4911-9597-4e1ea2ab22ba

You must unmount the file system before changing parameters with the xfs\_admin command. With the file system unmounted, you can change the following parameters:

* **-L [label]**: Use this option to change the file system label.
* **-U [UUID]**: Use this option to change the file system UUID.

If you try changing any parameter while the XFS filesystem is mounted, you would get an error similar to shown below.

# xfs\_admin -L new\_label /dev/mapper/vg\_test-lv\_test

xfs\_admin: /dev/mapper/vg\_test-lv\_test contains a mounted filesystem

fatal error -- couldn't initialize XFS library

Changing XFS filesystem Label

To change the Label of an XFS file system (/data) use the below command.

# umount /data

# xfs\_admin -L new\_label /dev/mapper/vg\_test-lv\_test

writing all SBs

new label = "new\_label"

Verify the new label using the below command.

# xfs\_admin -l /dev/mapper/vg\_test-lv\_test

label = "new\_label"

You can not use label with more than **12** characters long. The filesystem label can be cleared using the special “–” value for label. For example:

# xfs\_admin -L -- /dev/mapper/vg\_test-lv\_test

writing all SBs

new label = ""

# xfs\_admin -l /dev/mapper/vg\_test-lv\_test

label = ""

Changing the UUID of XFS filesystem

Similar to the XFS filesystem label, the UUID can also be changed with “xfs\_admin” command. Use the below command to set a new XFS UUID.

# xfs\_admin -U c1b9d5a2-f162-11cf-9ece-0020afc76f16 /dev/mapper/vg\_test-lv\_test

Clearing log and setting UUID

writing all SBs

new UUID = c1b9d5a2-f162-11cf-9ece-0020afc76f16

Verify the new UUID of XFS filesystem using below command.

# xfs\_admin -u /dev/mapper/vg\_test-lv\_test

UUID = c1b9d5a2-f162-11cf-9ece-0020afc76f16

The uuid may also be **nil**, which will set the filesystem UUID to the null UUID. For example,

# xfs\_admin -U nil /dev/mapper/vg\_test-lv\_test

Clearing log and setting UUID

writing all SBs

new UUID = 00000000-0000-0000-0000-000000000000

Verify the nil UUID with the below command.

# xfs\_admin -u /dev/mapper/vg\_test-lv\_test

UUID = 00000000-0000-0000-0000-000000000000