
Subject: Is XFS file system secure?

Posted by [bjmg](#) on Wed, 22 Mar 2006 08:29:17 GMT

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Hello,

I have a security related question: Is there any (security related) reason against the use of XFS as filesystem for /vz? Am I able to use all openvz functions when I use XFS as filesystem for /vz? I ask this because XFS is much faster than ext3 but it is not included into the standard (stable) openvz kernel.

Bernhard

Subject: Re: Is XFS file system secure?

Posted by [dev](#) on Thu, 23 Mar 2006 16:09:01 GMT

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ehhh... There is no any security issues with it. But one problem I foresee actually. XFS uses its own quota implementation (non linux), so I think it won't work with OVZ quota without some efforts.

Why do you think XFS is faster than ext3? Do you have your benchmarks? Just curious.

Subject: Re: Is XFS file system secure?

Posted by [bjmg](#) on Fri, 24 Mar 2006 14:56:01 GMT

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Well...

We did a benchmark with ext3 and XFS. We did not use a benchmark tool but real users that surf through a website and call different SQL queries. Queries on MyISAM tables were slower when using ext3. The database is quite big (about 20GB at the moment) therefore the file system has to do a lot of work. We think that XFS is about 10% to 20% faster than ext3 for the same system load.

I think we need quota on that server. Therefore I think we can use XFS.

Thank you!

Bernhard

Subject: Re: Is XFS file system secure?

Posted by [Reiner030](#) on Wed, 27 Dec 2006 10:27:26 GMT

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yes, XFS is very fast and powerful (SGI use it over 10 years if I'm right)

For instance this article shows it good:

Filesystems (ext3, reiser, xfs, jfs) comparison on Debian Etch
<http://www.debian-administration.org/articles/388>

(It is linked on the first article of a nice german article about high availabilty clustering with OpenVZ, DRBD and heartbeat: <http://www.pro-linux.de/work/virtual-ha/>)

Greetings

Reiner

Subject: Re: Is XFS file system secure?
Posted by [nperreault](#) on Wed, 20 Feb 2008 18:46:57 GMT
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Reiner030 wrote on Wed, 27 December 2006 05:27yes, XFS is very fast and powerful (SGI use it over 10 years if I'm right ;))

For instance this article shows it good:

Filesystems (ext3, reiser, xfs, jfs) comparison on Debian Etch
<http://www.debian-administration.org/articles/388>

(It is linked on the first article of a nice german article about high availabilty clustering with OpenVZ, DRBD and heartbeat: <http://www.pro-linux.de/work/virtual-ha/>)

Greetings

Reiner

I must agree that XFS does a really great job with the VEs (performance +++). As mentioned previously, the only thing that isn't working is the quota.

Also, XFS permit us to do live modifications to the FS without the need to stop all VEs (compared to ext3).

Are they any plans to make OpenVZ runs with XFS support? That would be a big must for the tool adoption in my opinion.

Subject: Re: Is XFS file system secure?

Posted by [dev](#) on Wed, 20 Feb 2008 19:21:50 GMT

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Quote:

Also, XFS permit us to do live modifications to the FS without the need to stop all VEs (compared to ext3).

what kind of live modifications do you mean?

Subject: Re: Is XFS file system secure?

Posted by [nperreault](#) on Wed, 20 Feb 2008 19:31:19 GMT

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xfs_growfs: to resize the partition without the need to un-mount the partition, very useful for a live production environment.

Subject: Re: Is XFS file system secure?

Posted by [disaster](#) on Mon, 22 Sep 2008 12:47:30 GMT

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Are there any news on this topic? For example Quota support with XFS and openvz?

Subject: Re: Is XFS file system secure?

Posted by [mcluver](#) on Fri, 16 Apr 2010 23:51:18 GMT

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Yeah I agree, I could really use the Quota support with XFS, has anyone thought about making the next kernel compatible?

Best regards,

Matt
