



Using the XFS Filesystem for Databases

by Michael Stone ([@HoBMStone](#)), Lead Architect and CIO

Since June of 2014, with the first GA release of Red Hat Enterprise Linux (RHEL) v7, Extensible File System (XFS) has been the default file system. According to [Wikipedia's comparison of filesystems](#), XFS was first introduced in 1994 by Silicon Graphics, and can support a maximum volume size of 8 Exabytes (EiB). The maximum file size is the same as the maximum volume size. It was created to provide a highly performant file system that optimizes parallel writes in order to facilitate large scale processing of graphical data. XFS is an extent-based filesystem, meaning it grows similar to the way a database manages storage allocation. It is also a journaled file system, so it keeps track of changes to optimize writes, in a similar manner to a database, which makes it durable. Finally, it uses B+ trees to allocate and locate blocks of storage efficiently.

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Installing OEM Cloud Control Using the Silent Install Method

by Andy Kerber ([@dbakerber](#)), Senior Consultant

I ran into an interesting problem at one of our customer sites the other day. I didn't get the chance to really track the source of the original problem, which was that the Oracle GUI installer was running in some unknown character set.

Because of this, it became necessary to complete the installation using a silent install. Both the database software and the OMS software came up in a character set (shown in the figure above), so I expect it was a problem with the server setting. Regardless, I did not have time to track the problem down in deep detail, so a silent install became my only option.

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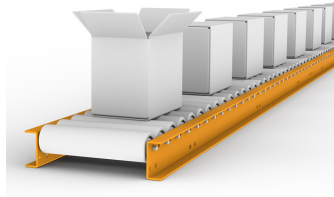
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