

Operating Systems - Feature # 27: Support 64-bit operating systems

Status:	Closed	Priority:	Normal
Author:	admin	Category:	
Created:	2010-07-01	Assigned to:	
Updated:	2016-04-24	Due date:	
Subject:	Support 64-bit operating systems		
Description:	<p>Currently only 32-bit Linux distributions are offered at BitFolk even though most of the host machines run 64-bit Debian. Some people request 64-bit.</p> <p>The major advantage of 64-bit is better memory handling, which doesn't apply on VPSes that have such a small memory allowance, and may even prove detrimental.</p> <p>It is possible that the extra registers available under 64-bit might improve some workloads.</p> <p>A 64-bit install is required at the moment for using ZFS:</p> <p>http://zfsonlinux.org/faq.html#WhyShouldIUseA64BitSystem</p> <p>The main reason why BitFolk doesn't yet support 64-bit is purely because it would nearly double the number of install images that must be managed, and has no clear advantages.</p> <p>Depends on issue #103 (rescue environment to support 64-bit).</p> <p>*Update: 2012-06-16:* Due to the discovery of a bug in Intel CPUs which allow 64-bit paravirtual guests to crash or potentially take over the hypervisor, the running of 64-bit guests at BitFolk is currently disabled. Upgrades to fix the bug are being scheduled and after they are done 64-bit guests will again be technically possible. See http://lists.bitfolk.com/lurker/message/20120612.145214.5dabc7ba.en.html for more info.</p>		

History

2010-07-01 12:13 - admin

- Project changed from BitFolk to Operating Systems

2012-06-16 13:16 - admin

Added note to the description regarding CVE-2012-0217 which has lead to 64-bit guests being temporarily disabled at BitFolk.

2012-09-03 23:39 - admin

Added link about ZFS on Linux requiring 64-bit

2016-04-24 15:18 - admin

- Status changed from New to Resolved

64-bit is now the default at BitFolk. You can switch between 64- and 32-bit installers in the Xen Shell.

2016-04-24 15:19 - admin

- Status changed from Resolved to Closed