

Operating Systems - Feature # 154: Support HVM (working towards PVHVM)

Status:	New	Priority:	Normal
Author:	admin	Category:	
Created:	2017-02-17	Assigned to:	
Updated:	2017-02-17	Due date:	
Subject:	Support HVM (working towards PVHVM)		
Description:	<p>Running dom0 servers configured to allow guests in HVM mode may be desirable because:</p> <ul style="list-style-type: none"><li>* It's simpler for guests (requires no PV modifications, but benefits from any PV driver support)</li><li>* Allow for more guest types, i.e. non-Linux ones</li><li>* Allegedly higher performance for 64-bit guests (untested)</li></ul> <p>More info on some of the differences: <a href="http://www.brendangregg.com/blog/2014-05-07/what-color-is-your-xen.html">http://www.brendangregg.com/blog/2014-05-07/what-color-is-your-xen.html</a></p> <p>A downside is that HVM is more complicated as it requires use of qemu, and historically there have been quite a few security issues in qemu that we have dodged due to only supporting PV guests. As a result I would expect enforced reboots due to security patching to be a lot more common. We would most likely segregate PV and HVM guests onto different hosts so that those remaining on PV would not experience the additional security reboots.</p>		

History