For 4.11

[PATCH v4 00/10] x86: emulator enhancements

Sent in for meeting agenda by George
https://marc.info/?l=xen-devel&m=151982229407799
https://xen.markmail.org/thread/roukz6r3gcuhxinn

Notes: v4 posted by Jan Beulich on 28 Feb 2018. Most patches seem to have acks or r-bs, but I know this one has been around a long time, so it might be worth making sure we can get it in before the feature freeze.

Subject	AB/RB	Review
[PATCH v4 01/20] x86emul: extend vbroadcasts{s, d} to AVX2	**AC**	
[PATCH v4 02/20] x86emul: support most remaining AVX2 insns	**AC**	
[PATCH v4 03/20] x86emul: support AVX2 gather insns	**AC**	
[PATCH v4 04/20] x86emul: support XOP insns	**AC**	
[PATCH v4 05/20] x86emul: support 3DNow! insns		AC, Minor
[PATCH v4 06/20] x86emul: place test blobs in executable section	**AC**, PD	AC, Minor
[PATCH v4 07/20] x86: move and rename XSTATE_*	**AC**, PD	
[PATCH v4 08/20] x86emul: abstract out XCRn accesses	PD	AC, Dispute
[PATCH v4 09/20] x86emul: adjust_bnd() should check XCR0	AC	
[PATCH v4 10/20] x86emul: make all FPU emulation use the stub	AC	
[PATCH v4 11/20] x86/HVM: eliminate custom #MF/#XM handling	**AC**	
[PATCH v4 12/20] x86emul: support SWAPGS	AC	
[PATCH v4 13/20] x86emul: tell cmpxchg hook whether LOCK is in effect	AC, PD	
[PATCH v4 14/20] x86/PV: convert page table emulation code from paddr_t to intpte_t	**AC**	
[PATCH v4 15/20] x86emul: correctly handle CMPXCHG* comparison failures	**AC**, **TD**	
[PATCH v4 16/20] x86emul: add read-modify-write hook		None
[PATCH v4 17/20] x86/HVM: do actual CMPXCHG in hvmemul_cmpxchg()	PD	Probably needs AC

[PATCH v4 18/20] x86/HVM: make use of new read-modify-write emulator hook   AC, PD

[PATCH v4 19/20] x86/shadow: fully move unmap-dest into common code   AC

[PATCH v4 20/20] x86/shadow: fold sh_x86_emulate_{write, cmpxchg}() into their only callers   AC

[PATCH v17 00/11] x86: guest resource mapping

Sent in for meeting agenda by George
https://xen.markmail.org/thread/ge2hlgljac3uqepe

v17 posted by Paul Durrant on 3 January 2018

Notes: All but 6/11 have a fair amount of A-b's or R-b's
Is this a patch we can get into 4.11?

Subject	AC / RB	Comments
[PATCH v17 01/11] x86/hvm/ioreq: maintain an array of ioreq servers rather than a list	RPM, JB	
[PATCH v17 02/11] x86/hvm/ioreq: simplify code and use consistent naming	RPM, WL, **JB**	
[PATCH v17 03/11] x86/hvm/ioreq: use gfn_t in struct hvm_ioreq_page	RPM, WL, **JB**	
[PATCH v17 04/11] x86/hvm/ioreq: defer mapping gfns until they are actually requested	RPM, **WL**, JB	
[PATCH v17 05/11] x86/mm: add HYPERVISOR_memory_op to acquire guest resources	JB, **DDG**	
[PATCH v17 06/11] x86/hvm/ioreq: add a new mappable resource type...		**JB - not sure of status**
[PATCH v17 07/11] x86/mm: add an extra command to HYPERVISOR_mmu_update...	JB	
[PATCH v17 08/11] tools/libxenforeignmemory: add support for resource mapping	RPM, **WL**	
[PATCH v17 09/11] tools/libxenforeignmemory: reduce xenforeignmemory_restrict code footprint	RPM, **WL**	
[PATCH v17 10/11] common: add a new mappable resource type: XENMEM_resource_grant_table	JB	
[PATCH v17 11/11] tools/libxenctrl: use new xenforeignmemory API to seed grant table	**Marek**, **WL**, RPM	

Longer Term - non-RFCs

[PATCH v4 00/28] add vIOMMU support with irq remapping function of virtual VT-d

Sent in for meeting agenda by George
v3 posted by Lan Tianyu on 22 September 2017: marc.info/?l=xen-devel&m=150607140722407
v4 posted by Chao Gao: https://xen.markmail.org/thread/wfyorbn3nzsio6s7

Seems to have had review by Roger Pau Monne (not counted acks).
RB for [PATCH v4 06/28] vtd: clean-up and preparation for vvtd

[RFC Patch v4 0/8] Extend resources to support more vcpus in single VM

Sent in by George
RFC v3 by Lan Tianyu: https://marc.info/?l=xen-devel&m=150530044827940 (Sep 17)
RFC v4 re-posted by Chao Gao: https://xen.markmail.org/thread/tlto7b3fadp7kkw6 (Dec 17)

Quite a bit of feedback on v4 from a few people up to Feb 28th

Longer Term: RFCs or v1 (v > 1 first, then smaller first)

[RFC XEN PATCH v4 00/41] Add vNVDIMM support to HVM domains

Sent in for meeting agenda by George
https://marc.info/?l=xen-devel&m=151264150712808
https://xen.markmail.org/thread/6uzmarrlws73mq5d

RFC posted by Haozhong Zhang on 7 December 2017. A few messages about the overall architecture; some more detailed comments by Anthony on the integration with the toolstack. Otherwise feedback by Roger & Jan.

[PATCH 0/7] paravirtual IOMMU interface

Sent in for meeting agenda by George
https://marc.info/?l=xen-devel&m=151843249327749
https://xen.markmail.org/thread/kmxk4hoj2ao65qsa

v1 posted by Paul Durrant on 12 Feb 2018.

Seems to have had a lot of feedback from Kevin Tian.

[PATCH RESEND v1 0/7] Intel Processor Trace virtulization enabling

Sent in for meeting agenda by George
https://marc.info/?l=xen-devel&m=151608947805423
https://xen.markmail.org/thread/rbaf7cxh2a7wwchf

v1.1 Posted by Lan Tianyu on 15 January 2018.

No feedback.

[RFC PATCH 0/8] Add guest CPU topology support

Sent in for meeting agenda by George
https://marc.info/?l=xen-devel&m=151538433419631
https://xen.markmail.org/thread/od46uc5nwhshnluz

Some feedback from Andrew Cooper and Daniel De Graaf

Blocked on CPUID? As far as I understand, this series seems to be building on an area of code, which has underlying issues, which may be a problem.

[PATCH RFC 00/10] x86 passthrough code cleanup

Sent in for meeting agenda by Wei

https://lists.xenproject.org/archives/html/xen-devel/2018-02/msg01939.html
Does not know how to approach

[PATCH RFC 00/14] EPT-Based Sub-page Write Protection Support

Sent in for meeting agenda by George
https://marc.info/?l=xen-devel&m=150840502417156
https://xen.markmail.org/thread/m75h6b2aiwk5h7fx
RFC posted by Zhang Yi Oct 19, 2017
No acks, reviews only by memaccess maintainers / developers