Agenda / General Meeting Etiquette

We don't have any design and problem related items this meeting. This means that we will only cover discussions specific to some series. Note that the meeting will probably not be very interesting for people whose series are not on the agenda. Feel free to join and observe the meeting, but it's also OK to drop out.

For series on the agenda: we will only discuss your series if the originator is on the call. For each series, I will call out the owner: if the owner is not there, I will move to the next one.

Intel has sent me an updated list based on their priorities. I pushed items which have no issues down the priority list. Also, I tried to order based on priority and vendor.

Agenda

- Quick round the table: name, company
- Series for 4.11
- Other Series with Issues
- Other Series with no Technical Issues which had no review
- Other Series - Progressing or Waiting (we will probably not get to these) - just there for reference
- AOB

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
This series is a prerequisite for “[RFC Patch v4 0/8] Extend resources to support more vcpus in single VM”

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	RPM, WL,	

naming	**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 - Issues

[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.

Issues: Lack reviews for memory management part

[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
Wei wanted to get the maintainers opinions on what is required make passthrough code cleaner.

[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

Issues: Use case for the feature is still not clear and needs discussion

[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.
Not sure whether anything needs doing here: if not, skip.

[PATCH v4 0/4] x86/cpuid: enable new cpu features

Latest Posting Date: Wed, 3 Jan 2018
Link: https://lists.xen.org/archives/html/xen-devel/2018-01/msg00049.html
From: Yang Zhong
Number of ACKs: 0
Dependencies: Test cases and blowfish test

Issues: Jan thought those patches were okay for him, but he asked Yang to implement test cases for GFNIs and use blowfish tool to check other encryption related CPU features

This does not seem like a blocker

Longer Term - No Code Reviews yet

[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.
Issue: No feedback.

[RFC PATCH v2 00/17] RFC: SGX Virtualization design and draft patches

Latest Posting Date: Mon, 4 Dec 2017
Link: https://lists.xen.org/archives/html/xen-devel/2017-12/msg00104.html
From: Boqun Feng Number of
ACKs: 0

Issue: No feedback.

Longer Term - Progressing or Waiting

[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 (1 ACK)
No issues

[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)

From: Chao Gao
Number of ACKs: 2
Quite a bit of feedback on v4 from a few people up to Feb 28th

Dependencies: Virtual interrupt remapping of virtual VT-d and Changes to IOREQ server is based on Paul Durrant's "x86: guest resource mapping".

[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

Dependencies: Andrew's CPUID work. Currently, this version doesn't have any dependency. But Andrew thought it was on the wrong direction. So Chao decided to wait for Andrew’s work to finish and rework based on CPUID.