



Welcome to the  
Xen Summit

**April 17-18<sup>th</sup> 2007**

**IBM TJ Watson**

- Two rooms:
  - Track A – Yorktown Auditorium (here!)
  - Track B – Meeting Room #2
    - Through security door, on left past cafeteria
  - Keep badges with you to get through security!
- WiFi network name: IBMVISITOR
  - See back of badge for username/password
- Restrooms upstairs, either side of auditorium (through security doors)
- Collect T-shirts upstairs

# Schedule



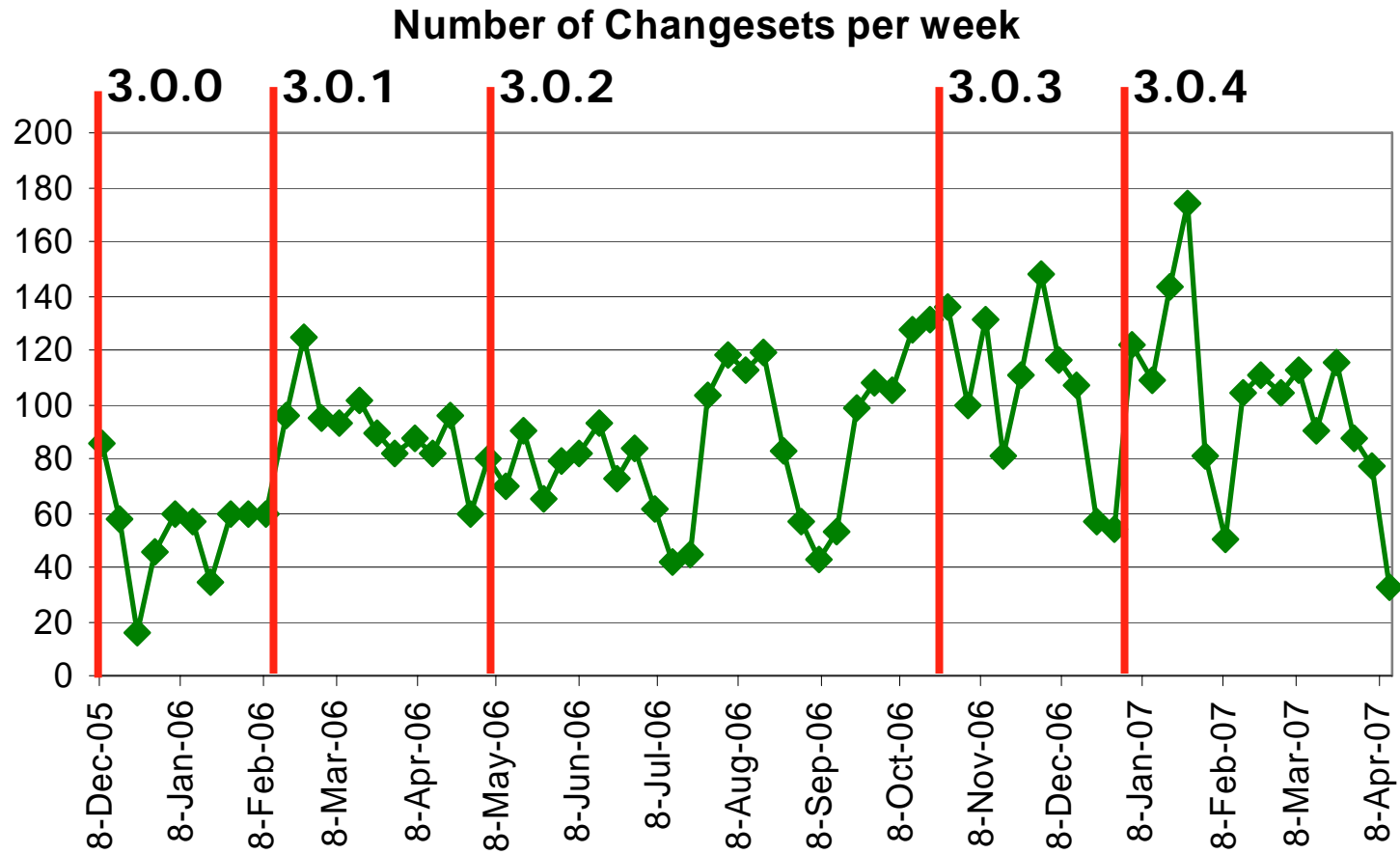
Day/Time	Track A	Track B
<b>Tues 08.00-08.15</b>	<b>Session 0 Intro/plenary</b>	
<b>Tues 08.15-10.00</b>	<b>Session 1 Xen Core</b> Chair: Tim Deegan	<b>Session 1 Ports</b> Chair: Jimi Xenidis
<b>Tues 10.30-12.30</b>	<b>Session 2 I/O Virtualization</b> Chair: Muli Ben Yehuda	<b>Session 2 Misc I</b> Chair: Clyde Griffin
<b>Tues 13.30-15.30</b>	<b>Session 3 Xen Distros</b> Chair: Brian Stein	<b>Session 3 Misc II</b> <b>Chair:</b> Nils Nieuwejaar
<b>Tues 15.45-17.00</b>	<b>Session 4 Network Arch</b> Chair: Jose Renato Santos	<b>Session 4 Security</b> <b>Chair:</b> Stefan Berger
<b>Tues 18.00-21.00</b>	<b>Dinner and Billiards</b>	

# Schedule



<b>Day/Time</b>	<b>Track</b>
<b>Weds 8.25-10.00</b>	<b>Session 5</b> CPU Roadmaps Smart I/O Chair: Ian Pratt
<b>Weds 10.30-12.30</b>	<b>Session 6</b> XenAPI, HVM I/O, Graphics Chair: Mike Day
<b>Weds 13.30-15.30</b>	<b>Session 7</b> Paravirt_ops, VM checkpointing, Xen on SGI, Xen Roadmap Chair: Keir Fraser
<b>Weds 15.30-</b>	<b>BOF Sessions</b> TBD

# Post-3.0.0 Change Log



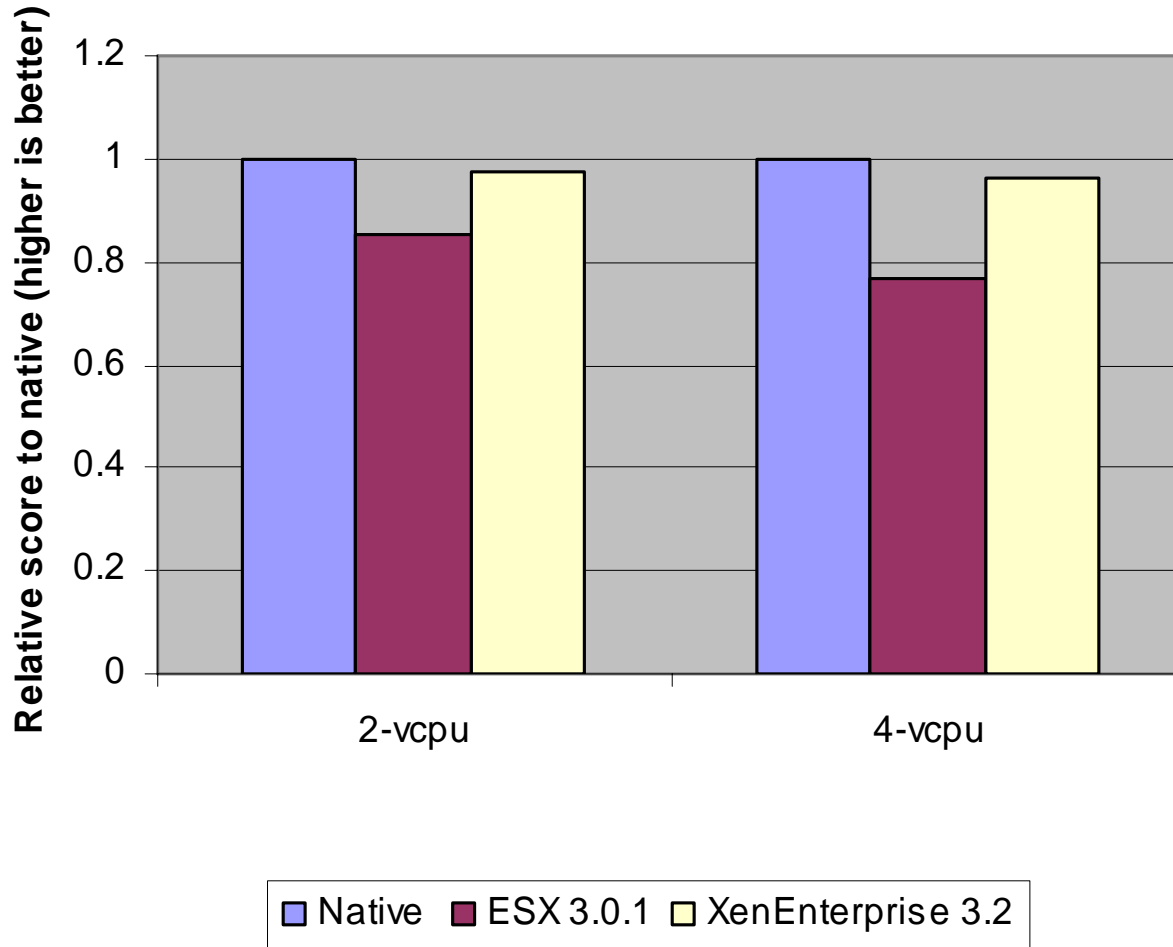
- New CPU scheduler with CPU migration
- Xen-oprofile support
- Blktap/qcow for file-backed virtual disks
- Upgrade qemu for HVM IO (net, usb, vnc)
- New shadow pagetable code
- Progressive paravirtualization for HVM guests
  - Network and Block I/O
- TX Segmentation Offload in netfront/back
- Power architecture merge

- PV framebuffer support
- NUMA memory allocator support
- Dom0 kexec/kdump support
- HVM SMP and interrupt improvements
- Xend life-cycle management
- Preview of Xen control API
- Many performance optimizations

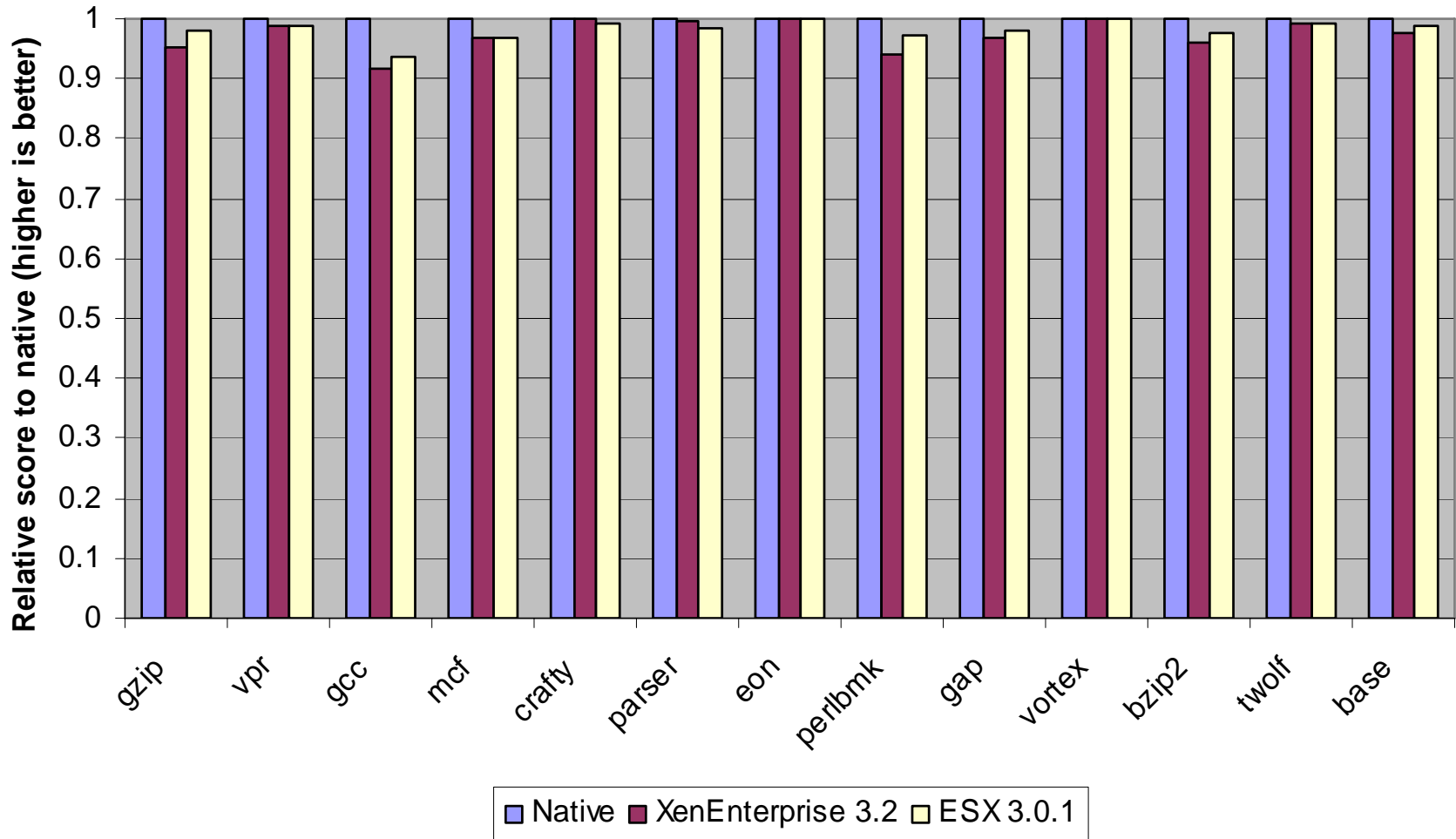
# SPECjbb2005 Sun JVM installed



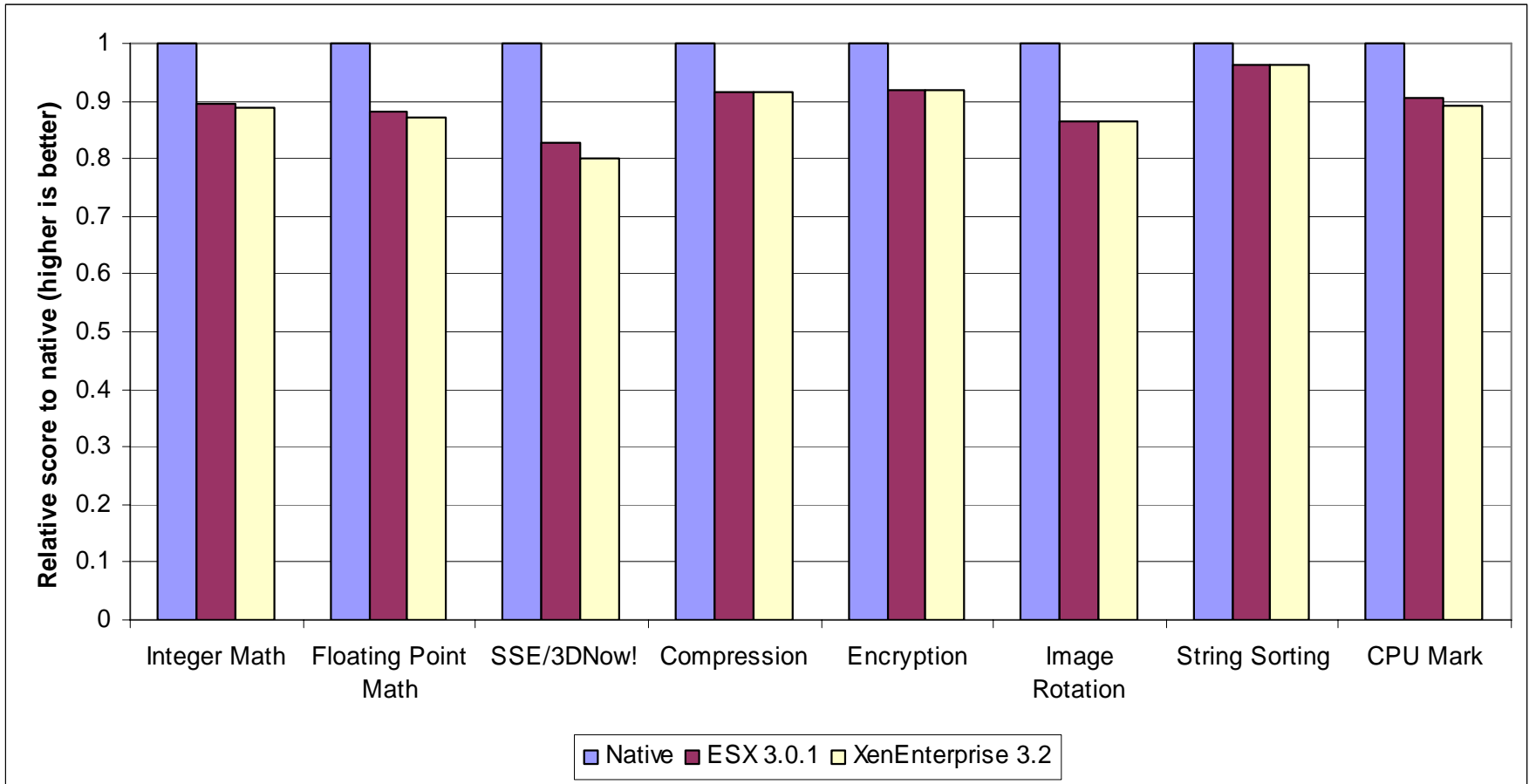
## RHEL5 guest / SPECjbb2005 Sun JVM



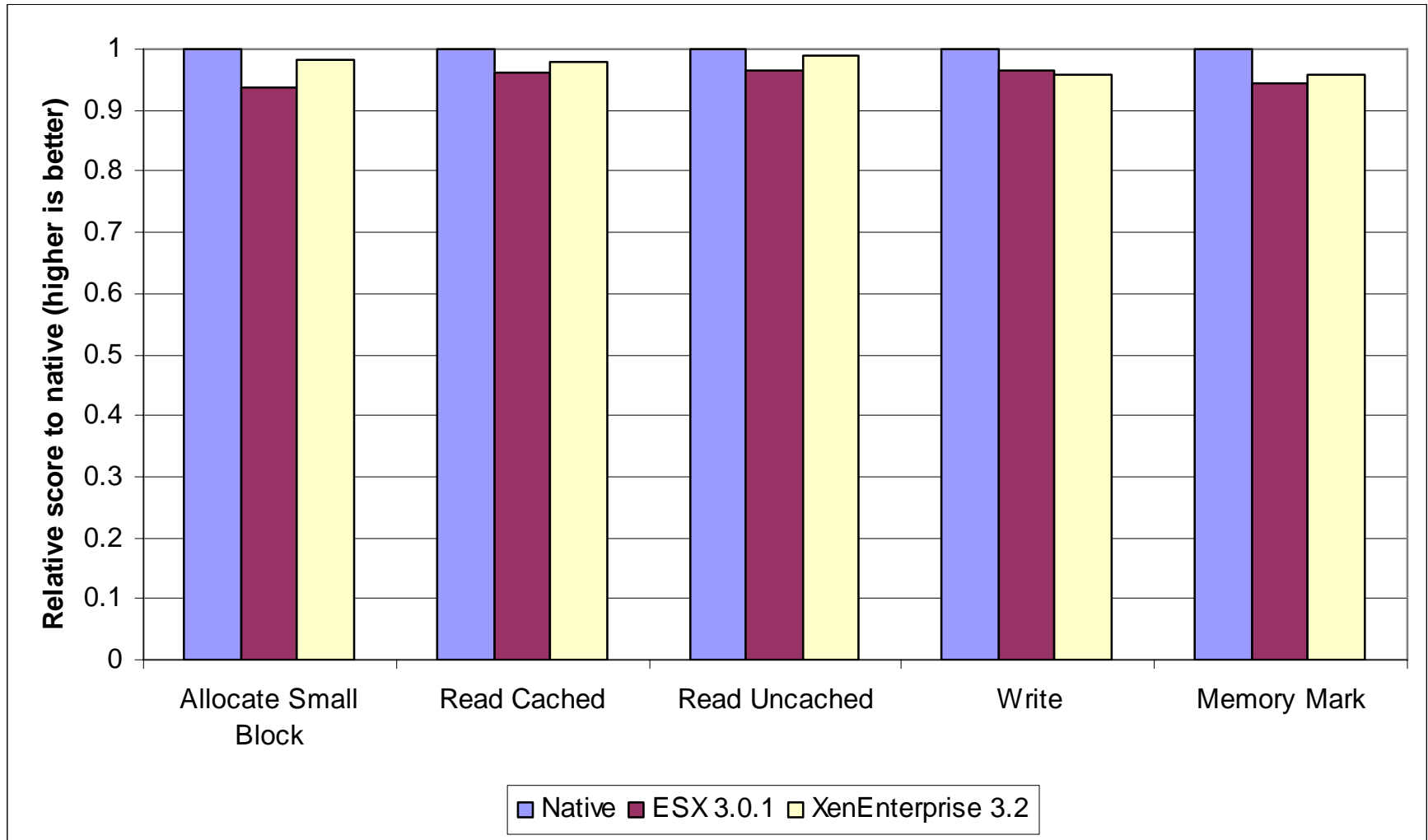
# w2k3 SPECcpu2000 integer (multi)



# w2k3 Passmark-CPU results compared to native



# w2k3 Passmark memory results vs native



- XenAPI 1.0 support
  - XML config files
  - http over SSL for secure off-box management
  - PAM authentication
  - Asynchronous event notification
  - C, python, Java, Perl bindings
- HVM save/restore and live migration
- HVM dynamic memory control
- 32-on-64 PV guest support
- Blktap copy-on-write disk support

# Post-3.0.0 Rough Code Stats



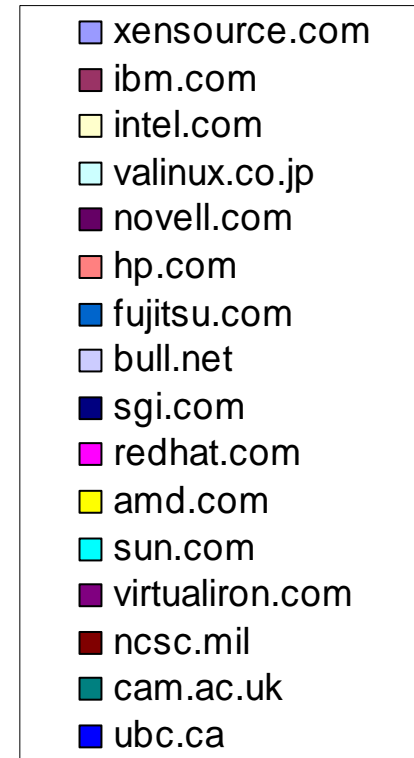
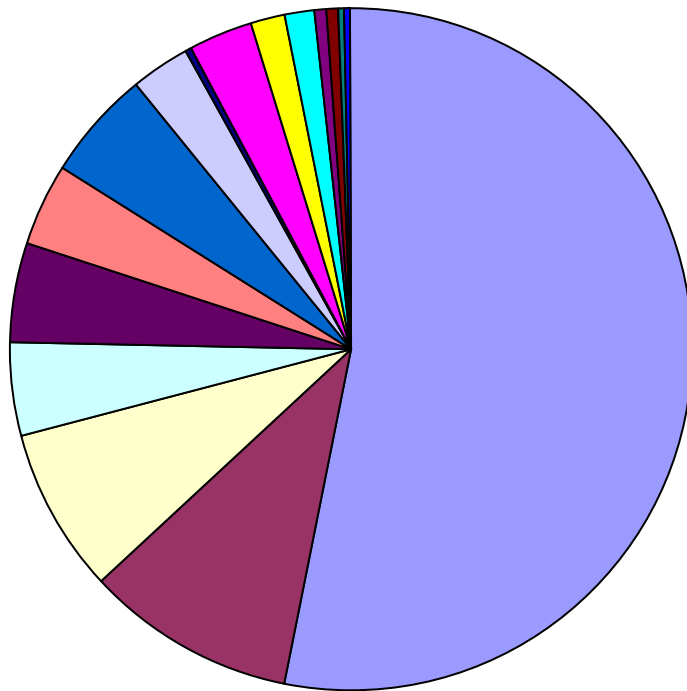
	<b>aliases</b>	<b>checkins</b>	<b>insertions</b>
<b>xensource.com</b>	<b>23</b>	<b>3000</b>	<b>550450</b>
<b>ibm.com</b>	<b>36</b>	<b>555</b>	<b>63967</b>
<b>intel.com</b>	<b>30</b>	<b>442</b>	<b>42437</b>
<b>valinux.co.jp</b>	<b>3</b>	<b>263</b>	<b>41299</b>
<b>novell.com</b>	<b>10</b>	<b>259</b>	<b>31794</b>
<b>hp.com</b>	<b>9</b>	<b>223</b>	<b>25102</b>
<b>fujitsu.com</b>	<b>20</b>	<b>290</b>	<b>13460</b>
<b>bull.net</b>	<b>1</b>	<b>157</b>	<b>14630</b>
<b>sgi.com</b>	<b>1</b>	<b>22</b>	<b>20569</b>
<b>redhat.com</b>	<b>12</b>	<b>179</b>	<b>10006</b>
<b>amd.com</b>	<b>7</b>	<b>85</b>	<b>6602</b>
<b>sun.com</b>	<b>7</b>	<b>80</b>	<b>8802</b>
<b>virtualiron.com</b>	<b>5</b>	<b>31</b>	<b>1586</b>
<b>ncsc.mil</b>	<b>3</b>	<b>26</b>	<b>6070</b>
<b>cam.ac.uk</b>	<b>3</b>	<b>23</b>	<b>3472</b>
<b>ubc.ca</b>	<b>1</b>	<b>14</b>	<b>493</b>
<b>unisys.com</b>	<b>4</b>	<b>8</b>	<b>872</b>
<b>other</b>	<b>29</b>	<b>302</b>	<b>55005</b>

Stats since  
3.0.0 Release

# Post-3.0.0 Code Stats



# checkins



Stats since  
3.0.0 Release

- Lets have another great Xen Summit!