

Wednesday, October 31. 2007

### **T wie indiskutabel ...**

Das iPhone ist ja ein richtig schoenes Telephon. Vor allen Dingen, weil es sozusagen das mobile Internetterminal "for the rest of us" ist ... nungut ... nichts ist aber so gut, das die T-Mobile da nicht wieder ein Argument liefern koennte, sich das Ding nicht zu kaufen: T-Mob hat genaueres ueber die Bedingungen ins Netz gestellt. Volker verweist auf diese in seinem Blog.

Die Preise sind schlicht indiskutabel und ab abhängig vom Tarif wird relativ schnell auf 64 kBit/s inbound 16 kBit/s outbound gedrosselt. Ganz ehrlich, bei diesen Preisen und Bedingungen darf man später nicht wundern, wenn die Hälfte aller iPhones in Deutschland gehackt werden.

Ich bleibe bei definitiv erstmal bei meinem E61i ....

Posted by Joerg Moellenkamp at 18:48

### **links for 2007-10-31**

Sun files a countersuit against Network Appliance - The INQUIRER  
(tags: ntap sun zfs lawsuit patents patenttrolls)

US-Veteranen - International - ZEIT online  
(tags: usa kriegsfolgen)

TP: Himmlische Desktops und aufpoliertes Plastik  
(tags: culture design deutsch humor)

DTrace, Leopard, and the business of open source  
(tags: apple blog business dtrace mac opensource)

Adding user-defined DTrace probes to Java programs  
(tags: dtrace java)

StorageMojo Â» Sun counter-punches NetApp  
(tags: ZFS NTAP Sun lawsuit)

Posted by del.icio.us in del.icio.us at 12:21

### **Thumper@Home**

zpool.org found a really interesting computer case for a Thumper@home: Chenbro ES34069. This case is a small ITX case with four hot swappable drive bays and room for a single boot disk (would populate with a flash based solid state disk)

Posted by Joerg Moellenkamp in Technology at 09:11

Tuesday, October 30. 2007

### **The follow-up complaint**

You will find the our second complaint ("The California-Complaint") in reaction to the NTAP litigations at the resource part of Mike Dillons blog.

Posted by Joerg Moellenkamp in Sun at 13:10

### **links for 2007-10-30**

Presenter Screen for Openoffice  
(tags: openoffice staroffice presentation)

Posted by del.icio.us in del.icio.us at 12:20

### **mysql on ZFS**

John David Duncan of Mysql wrote an article about mysql on ZFS. His conclusion:ZFS introduces remarkable ease and flexibility of administration, without any real cost in performance. At its worst, in these tests, ZFS performed almost as well as UFS with Direct I/O. With InnoDB, the ZFS performance curve suggests a new strategy of "set the buffer pool size low, and let ZFS handle the data buffering."

Posted by Joerg Moellenkamp in Sun at 10:27

### **NTAP vs. Sun - the second lawsuit**

Sun filed in reaction to the NTAP allegations a second lawsuit. Mike Dillon, our general counsel, writes in his blog:Today, we filed a second complaint against NetApp for infringement of six additional patents and other related claims. Although it may appear a separate case, it is in reality, part of the same litigation originally brought by NetApp in Eastern Texas to impede the adoption of ZFS.The second complaint was filed at a court in Northern California. This is the area where both companies are located and it's a more sensible choice than the court in Patentrollville ... errr ... Eastern Texas.

Posted by Joerg Moellenkamp in Sun at 09:56

### **Techworld - Sun and NetApp: It's war**

Chris Mellor writes about the NTAP/Sun lawsuits and thinks, that NTAP can't win from a business perspective:What someone needs to do, perhaps, is to look Dan Warmenhoven in the eye, someone whom Warmenhoven respects absolutely, and say: "Discretion sir, discretion is the better part of valour. This engagement against Sun is one you cannot, in any real business sense, win."As your are in gods hands on sea and in front of courts lets think about the both possible outcomes: When NTAP wins, they have a strong competitor less, but the image of beeing a patent troll. A marketing disaster. When Sun wins, NTAP may loose it's technical foundation (albeit at least some patents should never been granted as of prior art. Perhaps this is the reason for suing in Texas when both companies are located in northern California). And so i close this snippet with another quote from Chris:Is NetApp constitutionally averse to negotiation and compromise? Does it have a secret interest in funnelling money to lawyers? Does it fear ZFS so very, very much that it sees itself being squeezed unbearably between ZFS-spreading Sun, a rampant EMC, and myriad NAS and iSCSI minnows snapping at its heels?

If any one of these questions has a 'yes' answer then there is something deeply wrong inside a company that many in the storage industry have a deep respect for.

Posted by Joerg Moellenkamp at 06:32

Monday, October 29. 2007

## **Presentation**

Hmmm ... presentation in Lessig style without a remote control is a little bit problematic. Going to the keyboard every few seconds ruins the effect a little bit ...

Posted by Joerg Moellenkamp in Sun at 16:33

## **links for 2007-10-29**

Apreche.net - Linux Doesnt Lack Drivers, it Lacks Complete Drivers  
(tags: drivers linux hardware)

Posted by del.icio.us in del.icio.us at 12:19

## **10.5**

Nach einem Wochende Präsentationsbasteln auf meinem Mac Mini: 10.5 Leopard erscheint stabil, es macht spass damit zu arbeiten, und ZFS funktioniert auch read/write (wenn mann weiss, wie es es geht)

Posted by Joerg Moellenkamp at 09:53

Sunday, October 28. 2007

### **Ashlee Vance about the Sun/NTAP dispute**

Ashlee did a nice analysis about the ongoing dispute in the blogs of Jonathan and Dave Hitz:

Given that the blogging back-and-forth adds no muscle to the actual dispute between the companies, we're surprised that Hitz has chosen to continue on this quest given the obvious public relations disaster that NetApp faces. and To that commenter's point, Schwartz's blog posts mostly rely on rhetoric surrounding the merits of open source software and the expensive, proprietary nature of NetApp's products. Schwartz also finds plenty of time to plug Sun's storage gear. Hitz, meanwhile, issues a not so pleasant post about how NetApp employees need not worry about keeping their jobs just because Sun has countersued NetApp seeking to stop shipments of all its major products. Hitz tries to reassure his staff and customers, although just talking about NetApp's demise - however unlikely - feels like an awful thing for an executive to dwell on in public.

Posted by Joerg Moellenkamp in Sun at 07:19

### **Selbstlösende Probleme**

Eine Klasse von Problemen löst sich doch von alleine, beziehungsweise durch hängen oder liegen lassen: Ich brauche meine Uhr im Flur nicht mehr auf Sommerzeit umstellen.

Posted by Joerg Moellenkamp in Braindump at 07:16

Saturday, October 27. 2007

## Keine Lust mehr ...

So ... keine Lust mehr ... bis auf Kleckerkram ist meine Präsentation für Montag jetzt fertig ... der Rest muss bis morgen warten ...

Posted by Joerg Moellenkamp in Work at 23:00

## links for 2007-10-27

RestWiki: What Is REST

(tags: rest programming api webservices web architecture)

webservices.xml.com: What Is Service-Oriented Architecture

(tags: soa webservices rest architecture programming)

webservices.xml.com: REST and the Real World

(tags: webservices rest soa architecture webservice web programming)

webservices.xml.com: Second Generation Web Services

(tags: rest webservices programming web api webservice)

Posted by del.icio.us in del.icio.us at 13:19

## In-kernel CIFS

Yesterday was an important day for Opensolaris. Something found it's way in the kernel, i already knew but wasn't allowed to talk about (at least not without a NDA saying "When you talk about this, we send a support technician spelling a dozen mighty curses in you datacenter. And, yeah, we know where you park your car ..." ).

Alan Wright announced the putback of the code changes resulting out of PSARC 2006/715, or for mortals like me: The in-kernel CIFS service. This doesn't mean just the integration to mount CIFS shares. That's a different project. With this changes CIFS get a first class citizen besides NFS. Opensolaris Build 77 will give you a kernel-integrated CIFS server.

And as a CIFS server alone is only half the answer to the question, there will be the integration of NDMP for backups or ICAP for integrating virus scanning software. So stay tuned, albeit the page isn't activated you will find more informations at the CIFS community at opensolaris.org soon. Meanwhile you should look at Bob Porass "Fish -n- CIFS" for more informations.

PS: I can only assume, that NTAP saw something like this coming when they filed their "all in"-lawsuit...

Posted by Joerg Moellenkamp in Solaris at 08:39

## Pagerank

Google straft Linkhändler ab und setzt dabei viele sehr bekannte Seiten weit herunter: Zeit von 8 auf 4, Chip.de von 7 auf 4, Brigitte.de von 6 auf 4, Geo.de (von 6 auf 4) und Telepolis von 7 auf 5. Was ich klasse finde, denn aus sicht von Google bin ich mit Pagerank 5 nun wichtiger als Chip, Brigitte, Geo und die von mir verehrte Zeit. Das ich das noch erleben durfte

**Blog Export: c0t0d0s0.org, <http://www.c0t0d0s0.org/>**

Posted by Joerg Moellenkamp in Blogosphere at 08:18

Friday, October 26. 2007

## **Zivilcourage**

Mögen doch mehr Hotelmanager auf Buchung von NPD-Mitgliedern so reagieren: Da Sie in unserem Hause nicht willkommen sind und ich es auch meinen Mitarbeitern nicht zumuten kann, Sie zu begrüßen und zu bedienen, haben wir hotel.de gebeten, die Buchung zu stornieren. Wenn ich das nächste mal in Dresden übernachte, werde ich alleine schon dafür dieses Hotel in Erwägung ziehen.

Posted by Joerg Moellenkamp in policy of ... at 21:20

## **links for 2007-10-26**

RWTH Center for Computing and Communication - UltraSPARC T2  
(tags: T2 UltraSPARC Niagara2)

Sun countersues NetApp over ZFS  
(tags: ZFS Sun NTAP)

OSNews.com: ZFS puts Net App Viability at risk?  
(tags: zfs ntap sun)

Fascinating insight into executive thought at Pensieri di un lunatico minore  
(tags: zfs ntap sun patents patenttrolls)

StorageMojo Â» Sun fires back at NetApp  
(tags: zfs sun ntap patents patenttrolls)

Posted by del.icio.us in del.icio.us at 13:20

## **Deactivation of the Twitter integration**

I deactivated the twitter integration into the header today. I found the Twitter header quite useful for reporting from the CEC2007 and i will use this method to report from other big events like trade shows or conferences.

Posted by Joerg Moellenkamp in General at 11:07

## **Theo de Raadt about virtualisation**

I wrote some month ago, that the increase in security in virtualized environments is more a feeled increased than a real one, as it would be foolish to assume that the hypervisor is a more stable, more secure oder less bug-infested piece of software than another software of comparable size. It looks i'm not the only one thinking this way (at least i've got this feel when i look at the VMware madness raging in the industry). Theo de Raadt seems to look at virtualisation in a similar way. He stated in an article in the openbsc-misc mailinglist: You've been smoking something really mind altering, and I think you should share it.

x86 virtualization is about basically placing another nearly full kernel, full of new bugs, on top of a nasty x86 architecture which barely has correct page protection. Then running your operating system on the other side of this brand new pile of shit.

You are absolutely deluded, if not stupid, if you think that a worldwide collection of software engineers who can't write operating systems or applications without security holes, can then turn around and suddenly write virtualization layers without security holes.

You can think about Mr. de Raadt what you want, but in most cases he has a point, albeit he should take some courses in "How to speak in a more diplomatic way" ...

Posted by Joerg Moellenkamp at 07:43

### **Groklaw about NTAP vs Sun**

Groklaw summarizes an observation in The NetApp-Sun Patent Litigation Is On: Anyone Know of Any Prior Art? I also feel that when a company open sources its own code, the immediate response shouldn't be punishment by litigation to try to make it stop. IBM has been through it and now Sun. IBM was guilty of nothing at all, at least from all we've seen in the litigation. Nothing except supporting Open Source and Linux. Now Sun decides to join the Open Source fun, and wham, litigation. I begin to discern a pattern. I guess the proprietary folks have a strategy to use patents as the battering ram.

Posted by Joerg Moellenkamp in Sun at 06:30

Thursday, October 25, 2007

## **The response to Network Appliance**

Today we filed our response to the allegations made by Network Appliance: You can find an explanation of Sun's reaction in the blog of our general counsel, Mike Dillon, as well as the response sent to the court.

Posted by Joerg Moellenkamp in Sun at 21:52

## **Infoworld about ZFS**

A glowing plea for ZFS in Tom Yagers "Sun's ZFS is close to perfect, but widely misunderstood": Explaining ZFS in one article is difficult only because it is so capable. The best way to sum up ZFS is that it makes it possible to do anything, no matter how insane, with persistent storage. I find ZFS to be so remarkable that you can count on it being a frequent subject of discussion here and in my blogs. If you haven't checked out ZFS yet, do, because it will eventually become ubiquitously implemented in IT. It is too brilliant not to be.

Posted by Joerg Moellenkamp in Solaris at 16:24

## **Web 2.0 p... contest**

Waves of adoption are a really interesting thing. Especially in regard of Web 2.0 services. From time to time such a wave goes through an organisation and many people register to such services without really thinking about it. Such a wave was induced by a weblog entry of James Governor by touting a contest of IBM and Sun about the adoption of dopplr.

Dopplr is a service to share your travel plans in your peer group. So you can look up, which colleagues are in the same city. Now, before I get to my doubts about such "Where I am" services, there is a more general question: About the "Qui bono" of such a pissing contest. Well ... it's a service without an compelling use case. When I'm travelling to a city, I simply look into the calendars of my colleagues or send them a sms. I don't need a service for this. And to say it frankly: I don't meet with people for a drink just because of having the same company name on the business card.

Albeit Web 2.0, communities and social networking are nice things, they should have a clear advantage. And I don't see this advantage in dopplr. So .. of what avail is this contest: Maybe only many new users and validated email addresses for dopplr ...

My primary rant about such "Where I am"-services is not specific for dopplr. It's the same problem with services like plazes.com. You give away a very sensible part of data about your life and possibly the life of others: "Where are you at a certain point of time?" The answer to this question answers a more interesting question: "Where are you not at a certain point of time?". For example: Not at home. And this is an interesting answer for some shady businesses, like freelance possession transfer aka larceny.

You have to answer some questions to yourself when you sign up for such a service:

Do you trust the provider of the service? E.g.: It's data protection policies, their practices in handling data, their practices in handling their backups ... Do you trust the security of the software? E.g.: There was a problem with a large community portal in Germany allowing everybody to download the profiles. Do you have enough physical (locks, CCTV, alarms) or organisational (insurances) protection to cover the increased risk. And as high qualified workers tend to earn more money and tend to have rather wealthy peer group, even the usernames and passwords of Sun or IBM employees for dopplr gathered by trojans or security leaks may be quite useful.

In the end this may be a little bit paranoid. But only because you are not paranoid, this doesn't mean that they are not after you.

Posted by Joerg Moellenkamp in Business Travel at 13:28

## **links for 2007-10-25**

Representational State Transfer - Wikipedia, the free encyclopedia  
(tags: rest webservices web programming architecture http xml reference)

REST for the Rest of Us - MindTouch OpenGarden  
(tags: rest webservices programming patterns web soa)

20 Mishaps That Might Have Started Accidental Nuclear War  
(tags: nuclear history war research reference)

Posted by del.icio.us in del.icio.us at 13:20

## **Patents and lawsuits**

I wrote in my articles about the CEC that Jonathan looked really pissed about the patent lawsuit at a certain court in Texas (in my opinion, this says enough about the claims). And my inkling about Jonathans opinion wasn't false: He is really pissed . Just have a look at his latest blog entry - "ZFS Puts Net App Viability at Risk?". I think this blog entry and the preannouncement of an reciprocal lawsuit is something like the last call to Network Appliance to return to a sane behaviour before it gets nasty. And nasty means really nasty:And to be clear, once again, we have no interest whatever in suing NetApps - we didn't before this case, and we don't now. But given the impracticality of what they're seeking as resolution, to take back an innovation that helps their customers as much as ours, we have no choice but to respond in court.

So later this week, we're going to use our defensive portfolio to respond to Network Appliance, filing a comprehensive reciprocal suit. As a part of this suit, we are requesting a permanent injunction to remove all of their filer products from the marketplace, and are examining the original NFS license - on which Network Appliance was started. [...]  
In addition to seeking the removal of their products from the marketplace, we will be going after sizable monetary damages. And I am committing that Sun will donate half of those proceeds to the leading institutions promoting free software and patent reform (in specific, The Software Freedom Law Center and the Peer to Patent initiative), and to the legal defense of free software innovators.I really hope that Network Appliance will step back from their lawsuit. We need both companies. Only a healthy competition will drive innovation.

Posted by Joerg Moellenkamp in Sun at 09:32

Wednesday, October 24. 2007

## **Some reactions about the Ultra 24**

Yesterday we've announced the Ultra 24 Workstation. It's the first Intel based workstation besides the short-lived attempt twenty years ago.

The reactions are really positive:

Sun Shines with the Ultra 24 Workstation: Sun undoubtedly has a winner with the Ultra 24 series of workstations, and other vendors will be hard-pressed to outperform it. What's more, the Ultra 24 proves that quality is still a valuable asset when it comes to workstations. The unit is built like a tank, yet offers toolless access to components. The company has successfully balanced quality with ease of service, while still offering unquestionable performance.

ZDnet: Sun launches Intel Workstation on X38 platform While I haven't reviewed this workstation first hand yet, I have to admit the prices look decent for a brand-name workstation and the hardware specifications look good. With Sun's recent moves in to the Intel Server/Workstation business and selling Microsoft Operating Systems, Sun seems to have shed some of its SPARC and Solaris only religion and I think this can only bring good things to the company.

Sun Puts Intel Quad-Core Chips into Ultra Workstations: The next logical thing for Sun to do, it would seem, would be to put out an Ultra 44 that supports two-socket variants of Intel's quad-core Xeon 5300 chips. But according to Healy, Sun's workstation volumes are predominantly for single-socket boxes, owing mostly to the single-threaded nature of scientific and technical applications that tend to run on workstations; moreover, these applications tend to involve the heavy use of graphics, too, and in many cases, it makes more sense to have modest CPU power and two graphics cards (hence the dual graphics slots).

Posted by Joerg Moellenkamp in Sun at 17:27

## **1 Minute**

Eine verfluchte Minute ... eine einzige verfluchte Minute, und ich haette diesen verfluchten ICE erreicht, der mich eine verfluchte Stunde eher nach Hamburg gebracht haette. Jetzt sitze ich in einem verfluchten Regionalexpress der eine verfluchte Stunde nach Hannover braucht, also doppelt verflucht doppelt so lange wie ein entsprechende ICE. Verflucht noch eins ...

Posted by Joerg Moellenkamp in Business Travel at 13:12

## **Sch..., äh ... unschöner Tag**

Seit fünf Uhr kann ich nicht mehr schlafen. Ich sitze mittlerweile im Zug. Wolfsburg ist das Ziel. Und ich kann jetzt schon sagen, das ich trotz grosszügiger Zeitbuffer es nicht rechtzeitig schaffen werde. Es ist noch nicht mal Uelzen durch und wir fahren hier schon mit 15 Minuten Verspätung. 20 Minuten Buffer habe ich mir in Hannover erlaubt, aber die zusätzlichen 5 Minuten Verspätung schafft die Bahn auch noch.

Ich glaube, ich will einfach nur noch auf eine einsame Insel. Heute morgen auf dem Weg zur U-Bahn die Überreste von 2 Verbundscheiben gesehen. Bei einer fehlte das Auto, bei der anderen stand ein Mercedes-Kombi davor. Heckscheibe eingeschlagen, Kofferraumabdeckung zur Seite gerissen. Wissen diese Idioten eigentlich, das sie neben dem Verlust etwaiger Gegenstände den viel grösseren Schaden mit dem wahllosen Einschlagen von Scheiben produzieren? Ich habe mal für eine Volvo-Seitenscheibe 500 Euro bezahlt ... was die beim Benz kostet, moechte ich garnicht so genau wissen. Aufhängen ... an etwaigen Weichteilen ... am höchsten Baum ... mit Stacheldraht. Wobei ich mir gerade überlege, ob es nicht sinnvoll wäre den Wagen auszuräumen und einfach alle Türen offen zu lassen. Aber dann werden wahrscheinlich testosterongeschwängerte Pubertätsversager den Wagen irgendwann vollkotzen und -kacken. Hmm ... vielleicht leiht mir ja die verehrte Frau D. ihre Kettensaege. Mein Auto hats uebrigens nicht betroffen, ich hatte wohl Glück, das ich meinen Wagen verliehen hatte ... sonst parkt der da in der Nähe ...

Von hinten schallt es gerade "Noch frischen Filterkaffee" ... mit der Synchronstimme von "Elfrieeede, wo ist der Bohnerwachs" (Leser, die nicht den ersten Teil der Werner-Zeichentrickfilme gesehen haben, können leider nicht die vokalen Qualen verstehen, die das bedeutet) ... oder zumindestens von einer nahen Verwandten. Übrigens ... wenn die Bahn darüber nachdenkt, die Lokführer durch Computer zu ersetzen ... bitte weitermachen mit den Bistrodurchsagen, die einen herzlich dazu einladen, 2 Euro 80 bei Mitropa für einen Kaffee zu versenken ...

7:37 ... Wir sollten übrigens gerade in Celle einlaufen ... sind wir aber nicht ... sind gerade durch Eschede gefahren ... Pi mal Daumen sieben Minuten zu spät ....

Posted by Joerg Moellenkamp in Business Travel at 08:16

## **Sun Cluster**

In case you don't want to use Sun x86 servers, there is a good reason to use Solaris on it: Solaris Cluster is supported on HP Proliant DL 385 G2 and Proliant DL 585 G2 server. More details on the Sun Cluster Open Hardware page .

Posted by Joerg Moellenkamp in Solaris at 05:34

Tuesday, October 23. 2007

### **Neu in der Blogosphäre: [www.imsieke12.de](http://www.imsieke12.de)**

Es gibt ein neues Blog im Netz: Im Sieke 12. Es ist das Blog eines Kollegen über seinen Hausbau. Warum ich davon hier schreibe: Er hat mit seinem Blog Unterschlupf auf meinen Servern bezogen. Herzlich willkommen

Posted by Joerg Moellenkamp in Blogosphere at 19:40

### **SunCEC2007: Presentations**

In case you wasn't able to attend the CEC 2007: You find the collection of all presentations in the CEpedia at CEC Life (sorry, only for people inside the SunWAN). After reading some presentations: I really missed some interesting ones ...

Posted by Joerg Moellenkamp in suncec2007 at 19:33

### **TPM about IBM's weakness**

TPM has written an interesting article about the challenges in front of IBM and it's pSeries and iSeries systems - System i Sales Drop Again in Q3, IBM Says Little:

The trick that IBM needs to pull off is getting a revamped and repriced Power6 line out the door for both System i and System p customers. These machines need dense, small disk drives, energy-efficient main memory, user-based software prices across the board, very aggressive hardware and software prices, as well as blade, tower, and rack configurations. And they need one more thing. They need to ship yesterday.

Posted by Joerg Moellenkamp in The IT Business at 15:50

### **links for 2007-10-23**

Wo seid ihr?

Ein Artikel in der Zeit ueber einen Zivi der "seine Kinder" nach 15 Jahren nach sucht.

(tags: Soziales Gesellschaft)

Sun introduces first Intel workstation in two decades | Channel Register

(tags: Sun Workstation Intel)

The Changing Storm

About new botnets

CVS Log for javascript-trace.d (3.1)

DTrace was integrated into the Mozilla source tree

(tags: dtrace mozilla)

Posted by del.icio.us in del.icio.us at 13:24

### **Skynet 9 - Humans 0**

A fully automatic Triple-A goes berzerk and kills 9 soldier in south africa.

A robot cannon began wildly and autonomously firing its huge gun in South Africa last Friday, killing 9 soldiers and wounding 14. The Oerlikon GDF-005 antiaircraft gun suddenly began uncontrollably shooting as it swung back and forth,

spraying hundreds of high-explosive 35mm cannon shells all over the place

This is a good example why software should never ever control the actual firing of bullets. In wartimes it may be a good tradeoff to design a trigger-happy robot for antimortar/antishell artillery, as it's probable that more people are killed by mortar rounds than by a berzerk robot. But at peace time without incoming rounds? At least it wasn't a wise choice to put live ammunition into this robot.

Posted by Joerg Moellenkamp in Technology at 09:47

## **Opensolaris Build 75**

Opensolaris Build 75 was released yesterday. You can download it from the opensolaris.org website. It's a particular important release, as it's the first release of Opensolaris with xVM (aka XEN) integrated into the source tree.

Posted by Joerg Moellenkamp in Solaris at 06:44

Monday, October 22. 2007

### **links for 2007-10-22**

OpenVPN zur Systemueberwachung  
(tags: howto vpn)

Debugging a xVM kernel  
(tags: solaris xen xVM)

Posted by del.icio.us in del.icio.us at 13:20

### **Mindsets**

Interesting article about the different mindsets of AIX and Sun admins. To a part, i can confirm his positions: There is a strong affection of IBM admins to slice servers into pieces. \*Pars is the strongest argument of IBM to sell servers to this group, making expensive racks for 4-core servers out of a midrange or high-end machine. And by the way: They tend do do it with the machines of competitors, too. I saw Sun Fire 25K sliced into 18 4-Proc (or E10K in 16 4-procs) domains leaving me with raised eyebrows about such a strange configuration.

And the last paragraph of this article speaks a very true word:And that's the people problem at the heart of this whole business of trying to predict data center costs under alternative Sun and IBM scenarios: it's the people in charge, not the technologies, that really make the difference - and because they'll always do is what they know how to do, failure to align skills sets with technologies before you buy means your costs will be about the same no matter what technology you hand them.

Posted by Joerg Moellenkamp in Sun at 10:34

Sunday, October 21. 2007

### **IBM: Signs of weakness?**

At a first look it looks like a good Q3 for IBM, but it seems, that my point about IBM is correct: It's a consulting company with a associated hardware workshop. To cite TPM from the ITJungle( citations from his articles when not stated otherwise):IBM's Global Services group not only filled in the revenue gaps left by the hardware business, but cost controls allow the services business to drive a 25 percent increase in profits. (When is the last time this happened? When was the first time, in fact?) Global Technology Services had sales of \$9.1 billion in the quarter, up 12.8 percent, while Global Business Services had sales of \$4.6 billion, up 15.9 percent. Total services sales were up 14 percent to \$13.7 billion in the third quarter. But there are several signs of weaknesses: The Power6 line is still not complete. The p570 in it's two incarnations isn't exactly a product line, and we can only speculate what's holding back in rolling out the processor throughout all systems. I would assume problems in having a decent yield of this chips.

I really think, that we have driven IBM into the corner in the last year. There was only a short window to announce Power6 in the light of Sun Enterprise M-class launch and the UltraSPARC T2 launch. They had to launch the chip. Especially when you want to make the "We're the fastest" statement.

It seems that they announced Power6 too early to get the marketing thunder. They announced Power6 without having a line of systems ready. But it's like with last years model when buying a car. While a perfect car with less problems, nobody wants it. Nobody wants the old gear Thus the Power6 announcement hurts the Power5+ sales. Fujitsus distributor FSC made the same mistake from my perspective: They talked too early about the M-class, hurting the Primepower sales. FSC paid for this error with market share. And now IBM pays for this early announcement in the same way: the single Power6-based server that IBM is selling helped out the System p midrange Unix server business, which rose by 26 percent in the quarter, according to Loughridge, but overall System p server sales only grew by 6 percent. A classic case study for the Osborne effect. As the ITjungle reports, IBM reacts with with price cuts (again by TPM. Timothy, by the way, don't city TPC-C for performance comparisons, ruins the credibility )

To close this article: System z mainframe sales, which have been growing for eight consecutive quarters, took a dive, with sales down 31 percent (34 percent at constant currency, showing how the dive was steeper in the United States) and MIPS shipments falling by 21 percent in the quarter. The cash cow for IBM had some problems, too. A drop of 31 percent at this point is a really bad message.

Posted by Joerg Moellenkamp in The IT Business at 21:17

### **SunCEC2007: Fountains of the Bellagio**

Posted by Joerg Moellenkamp in suncec2007 at 17:45

### **SunCEC2007: Pictures of the 3rd day of the CEC keynotes**

Posted by Joerg Moellenkamp in suncec2007 at 16:18

### **Laith al-Deen**

Man mag sich ja fragen, warum ich ausgerechnet ein Faible fuer die Live-Konzerte von Laith al-Deen habe - darum(dafür lohnt es sich dann auch den Rest durchzuhalten ). Noch jemand am 12. November in Hamburg beim Konzert?

Posted by Joerg Moellenkamp in Music at 14:05

### **links for 2007-10-21**

VirtualGL | About / TurboVNC  
(tags: VNC remote graphics network)

VirtualGL | About / Introduction  
(tags: 3d visualization software clustering video)

Hymne der UdSSR (alter Text)  
Fragt mich bitte nicht, warum der Link hier steht

Sun Web Application Guidelines - Version 4.0  
(tags: usability guidelines web design ui development interface sun programming)

Posted by del.icio.us in del.icio.us at 13:22

## **SEO optimized Google**

Let's assume Google has to be optimized for Google. So lean back and look at this website: What if Google had to design their user interface for Google?. And when you think about it, it looks all to familiar.

Posted by Joerg Moellenkamp in Blogosphere at 12:08

Saturday, October 20, 2007

## **Solaris 8 migration assistant for Download**

I wrote some articles about the Solaris 8 Migration Assistant (S8MA) in the last weeks. This assistant is the outcome of the project etude. Now you can download it with a 90 day licence to test this tool: S8 Migration Assistant. In almost all cases every application for Solaris 8 runs just fine under Solaris 10 (the binary compatibility guarantee), but sometimes there are hardcoded package dependencies or dependencies to the version number in the installation or the application. The S8MA solves such and similar problems just fine.

Posted by Joerg Moellenkamp in Solaris at 20:46

## **links for 2007-10-20**

The UltraSPARC T2 Processor and the Solaris Operating System  
(tags: Niagara2 Solaris)

Recording Artist: Don't be a ZFS Hater  
(tags: advocacy zfs apple filesystem osx development macosx storage)

10 Gigabit Ethernet on UltraSPARC T2 - weblog from Pure See  
(tags: niagara2 neptune sun solaris tuning)

Nokia's new N810 makes iPhone look five years old - infoSync World  
(tags: mobile gps nokia)

Posted by del.icio.us in del.icio.us at 13:19

## **Yet another filesystem**

Yet another filesystem that resembles ideas from ZFS, this time it's called "Hammer". But this isn't the kicker about this filesystem. It's one of the comments of the developer Matthew Dillon at a Dragonfly mailinglist: The problem ZFS has is that it is TOO redundant. You just don't need that scale of redundancy if you intend to operate in a multi-master replicated environment because you not only have wholly independent (logical) copies of the filesystem, they can also all be live and online at the same time. This argument is like the argument of the Boeing speaker saying the A380 is too quiet. There is no "too much redundancy" in storing data. And even the argument of "multiple live copies" doesn't hold: How do you detect the corruption of a copy? And how do you detect partial corruption of a file when the other half is corrupted as well but in another part? ZFS solves many problems of storing files, it's opensource (albeit the GPL is incompatible to our CDDL but compatible with the other important licences) and it would be much easier to use the ZFS codebase. And finally: When you don't want the data protection, you can unconfigure most of the protection mechanisms (like checksums, ZIL and so on)

Posted by Joerg Moellenkamp in The IT Business at 09:45

Friday, October 19. 2007

### **SunCEC2007: Indispensable gadget**

There was one gadget in my luggage that was really handy throughout my stay at CEC2007: My Airport Express that got obsolete since a Mac Mini drives my stereo and my TV.

Now i use the Express as a portable wireless access point. This was useful out of two reasons. Public hotel networks are unencrypted by nature. Thus they are a possible security problem. This is especially true, when you don't know who lives in the adjacent rooms and see three to four networks called "Free public WLAN" as ad-hoc networks. Free... Sure! Before you want to phish passwords, go and learn to install an AP emulation on your preferred operating system.

Well, with the Express you can use the wired connection and create your own encrypted and invisible wireless LAN. The second advantage was a little-bit money saving):WLAN at the Hotel Paris was expensive. 11\$ for 24h per Laptop. As my E61 has WLAN but isn't a laptop, i needed a way to connect it to the internet. GRPS for fetching mail with the E61 from the US (with an german phone provider) every 10 minutes or so is incredibly expensive (You would find it as an extra point in Sun's financial statement;) ). The Airport Express was useful for this again. Simply connect the E61 to the Express and you are done.

Posted by Joerg Moellenkamp in suncec2007 at 16:03

### **links for 2007-10-19**

Announcing Solaris Cluster support in LDoms I/O domains  
(tags: Sun Cluster LDOMS support)

Java Screams on Sun UltraSPARC T2  
(tags: UltraSPARC T2 Java Sun Niagara2)

Floating Point performance on the UltraSPARC T2 processor : UltraSPARC T1 and T2 performance  
(tags: fpu niagara2 sun ultrasparct1)

Posted by del.icio.us at 13:22

### **The "frequency divided by four" misconception**

One of the favorite misconception about our UltraSPARC T1/2 systems is the "Each core has 1.2 GHz, so divide it by four threads, each core has 300 MHz"-meme. This meme was introduced by our beloved market companions like HP or IBM. At first, this sounds quite intuitive, but do you really think that such a processor would be the foundation of the fastest single socket SAP system? Denis Sheahan explains in Lessons learned from T1 the misconception behind this FUD: This line of argument doesn't hold because most commercial code chases pointers and is constantly loading data structures. On average a commercial application stalls every 100 instructions for a variety of reasons such as TLB miss, L1 cache miss, Level 2 cache miss etc. When a thread stalls it is usually delayed for many cycles, an L1 cache miss for instance is 23 cycles. So even though a thread is running at 1.2GHz it usually spends 70% of its time stalled. This is why major processor manufacturers create ever deeper out-of-order pipelines in an effort to avoid this stall.

All this stalling is perfect for CMT. The hardware automatically switches out a thread when it stalls and shares its cycles amongst the other 3 threads on the pipeline masking the stall. With this technique we can utilize the pipeline 75% - 80% of the time provided there are enough threads to absorb the stall

Even this explanation leaves out some cases: The cryptographic units work largely parallel to the pipelines. Thus the computational power of one core is even higher than you would assume from the pure frequency. To say it a little bit simplified: For cryptographic workloads you can see this processor as an 64+8 threads and 8+8 cores system, albeit

the 8 cryptographic cores are specialized ones ...

Posted by Joerg Moellenkamp in Sun at 12:43

### **ISV product lists**

Paul Murphy about his findings about the software lists of Sun and IBM: Or, if you prefer to see the glass as half empty: the chances that the lack of a critical application forces you into a risky and expensive development or porting project are at least ten times greater with AIX/Power than with Solaris/SPARC. The basic point behind Murphys article is the problem, that the numbers can't be compared. IBM counts different than Sun, Sun different than HP, HP different than Redhat, and so on. I would like to see a definitive set of rules to measure ISV support, somewhat like a SPECisvsupport.

I would suggest the following rules: To count as an application for such a number, the application has to be available as a binary, it has to be fully supported on the OS version by an ISV or by the vendor of the OS. In case of the emulation of an older OS version, the application counts only when the software is supported in the emulation. The application version must be available for new deployments (after EOL, but before EOSL doesn't count). As a second number, I would suggest a "known to work" benchmark, which removes the "has to be supported" conditions from the first ruleset.

Without such a ruleset, the ISV numbers are "indicative, but not definitive" as Paul stated in a comment to his article.

Posted by Joerg Moellenkamp in The IT Business at 08:24

### **IBM's website about Solaris 10**

(via: Peerapong)

Posted by Joerg Moellenkamp in Solaris at 07:57

Thursday, October 18. 2007

### **10950 SAPS**

Wow ... the Sun T5120 is the first single socket system to break the 10.000 SAPS barrier (you will find the certificate here) ...

Posted by Joerg Moellenkamp in Sun at 21:54

### **Benimmsurrogatextrakt**

Was mit heute so aufgefallen ist: Man mag ja meinen, das diese miniberockten, hohe Stiefel tragenden und elektrogetoasteten Schnuppsen ihr Aussehen für eine vollständiges Substitut für jede Form von Benehmen halten. Insbesondere dann, wenn sie vollständig unschuldige Menschen ankeifen, nach dem sie mit ihrem Trolley ueber die Fuesse stehender, da in einer Schlange wartender Passanten fahren.

PS: Wenn ich eine Verhaltensweise hasse, dann ist es Arroganz ....

Posted by Joerg Moellenkamp in Business Travel at 20:55

### **SunCEC2007: Green Backpacks**

These green backpacks at with the embroidered "CEC 2007" were really useful ... it was really easy to tell Sunnies from other peoples around in Vegas. I assume veteran CEC visitors will use this backbacks in 10 years to distinguish themself vom the newbies

BTW: I saw many 2006 backbacks ...

Posted by Joerg Moellenkamp in suncec2007 at 17:06

### **links for 2007-10-18**

Introduction to Performability Analysis : Ramblings from Richard's Ranch  
Interesting article about the fact that availability cannot be views without the performance in the degraded state  
(tags: RAS)

UltraSPARC T2 crypto performance outstrips traditional processors : Lawrence Spracklen's Blog  
(tags: cmt crypto niagara cryptography)

BUSTED! 11 Myths about Solaris on X86/X64 platforms : Jim Laurent's Weblog  
(tags: opensolaris x86 solaris opensource)

O'Reilly -- Mac OS X Screenshot Secrets  
(tags: apple screenshot howto tips macosx reference mac osx)

Posted by del.icio.us in del.icio.us at 13:20

### **Verspätung**

Dieser Tag fängt ja gut an ... 40 Minuten Abflugverzögerung für die Maschine nach Stuttgart. Wahrscheinlich ist der Pilot

heute nicht rechtzeitig aus den Federn gekommen

Posted by Joerg Moellenkamp in Business Travel at 08:36

## **Plazes**

Can someone explain me the reasoning behind publishing your location via Places. Looks like an security problem to me. At least, when you make your plazes-Profile public, anyone can see where you are and - more imporant - can see when you not at home. I think, one or the other business will find this information quite useful. Normaly i try every available outrage ... but i hesiate to use plazes.

Posted by Joerg Moellenkamp in Blogosphere at 00:01

Wednesday, October 17, 2007

### **Blogging at Sun**

Networkworld reviewed some of the blogging initiatives of the leading IT vendors. we've got an excellent ranking, no surprise with such an amount of really good blogs at blogs.sun.com.

Posted by Joerg Moellenkamp in Blogosphere at 17:30

### **Strange Configuration**

When you read disclosures about somewhat strange benchmark configurations, it would be nice to mandate explanations of benchmark configuration. Why did you opt for this configuration? For example: "As part x of benchmark y is disk-bound, the most feasible choice was doubling the harddisks" or "As TPC-H scales better on our smaller nodes, we choosed them in favor of larger nodes"). The customer can learn a thing or two about hardware sizing and the tradeoff game in finding the right hardware and the manufacture can hide less issues in their product portfolio. Sometimes it's more interesting to know why a system wasn't used instead of knowing the outcome of the benchmark for the choosen system.

Posted by Joerg Moellenkamp in The IT Business at 16:49

### **links for 2007-10-17**

Detailed UltraSPARC T2 RSA performance : Lawrence Spracklen's Blog  
(tags: cryptography sun T2 Niagara2)

Posted by del.icio.us at 13:20

### **Spam aplenty ...**

831 lines of config just to filter spam ... and this is the number after i increased the threshold to 150 attempts to place a trackback ...

Posted by Joerg Moellenkamp in Blogosphere at 00:07

Tuesday, October 16. 2007

### **Nabaztag in Lufthansa Exclusive magazine**

The Nabaztag found it's way to a somewhat unlikely place ... the Lufthansa Exclusive Magazine for Frequent Travellers:  
But the rabbit is not really an "Essential", albeit it's a cool gadget

Posted by Joerg Moellenkamp in Fundsache at 21:56

### **spam clearing house**

As you may have noticed, my blogs showed some instabilities yesterday. The reasons for this were some problems of lighttpd in conjunction with php5-cgi. The root cause for this: Trackback spamming(plenty of it) resulting in load problems. Well, this issue starts to get really nasty.

I thought a little bit about this problem yesterday evening, and i have an idea for a Web 2.0 service: A centralized spam clearing house. The basic idea is to redirect all trackback calls to this service, as long their do not come from the clearing house (or trusted systems). The service scans the trackback for spam and submits the trackback on the behalf of the originating server to the trackback functionality of the original server. The same should be possible for the comment function of weblogs. It's similar to the service Feedburner offers to offload the generation of RSS feeds.

I would even pay some money for such a server, as don't have to rent faster servers every half year. I even thought about shutting down this weblog in june after the first big black-out of this blog. Fighting spam on different servers as a service would make my life much easier.

PS: Would be a nice job for a UltraSPARC T2 server

Posted by Joerg Moellenkamp in Blogosphere at 13:31

### **links for 2007-10-16**

memcached: a distributed memory object caching system  
(tags: cache memcached database caching programming distributed performance web)

PECL :: Package :: memcache  
(tags: cache php memcache memcached optimization performance)

Boeing delays 787 final assembly by five months  
(tags: 787)

Posted by del.icio.us in del.icio.us at 13:20

Sunday, October 14, 2007

### **SunCEC2007 Day 3: Green Keynote**

Surely "Redshift" was the most important topic, but energy efficient computing was an almost equally important topic throughout all keynotes of the CEC. There was even a keynote presentation dedicated to this topic. The keynote presentation of Dave Douglas wasn't the highlight of the conference, but it was a good one and gave me some stuff to think about.

You can think about Germany as you want, but most of the stuff green IT tries to discuss is an rather old topic over here. Albeit the "Energieeinsparverordnung" (a typical german word, you can translate it with "Energy saving ordinance", i will shorten it with EnEV from now on) is primary in discussion for habitated buildings, you can get some ideas for datacenters.

One of the things discussed here in germany is the Primary energy factor (Primärenergiefaktor). This is a really interesting number. The primary energy factor helps you to know how much primary energy you have to spend to get a certain amount of energy, as you have to produce the energy, converting it for transportation and transporting it. For example the EnEV mandates a factor of 1.1 for oil and or gas, but a factor of 3 for electrical power. Thus for every 1 kilowatt hour you have to invest 3 kilowatt/hour only to deliver it in you premise. For every 1 kilowatts/hour equivalent of gas or oil, you have only to invest 1.1 kwh of power to get it to your premise. This numbers are only valid for the energy mix in germany. A country with mor nuclear energy or renewable energy would have smaller factor, a country with more coal power plants would have a vastly higher factor than 3.

This primary energy consumption is the relevant number, when you talk about the carbondioxide footprint. Okay, you can't run a server on natural gas. So you have to produce power out of it. The efficiency of this process is around 30 to 35% electric power. The rest ist disipated as heat . At first sight you would say: Nothing won. But wait: You don't have to waste the heat. There ist a concept called trigeneration: You use the the heat from the power generation to produce cold by a gas-absorption chiller.

The problem with your own power generation is the wasted heat, you need consumers for the heat. And a datacenter with the adjacent building for the administrators has exactly this need: In summer you have to provide cold to cool down your datacenter. In winter you can cool down the datacenter with the ambient air outside the building (no chillers needed) but you can use the wasted heat to provide heating to the office building. So you've made efficient use of the invested primary energy. The efficiency of such an process is over 80%. Now think about regenerative energy supplies. By using biodiesel or biomethane you could vastly reduce your carbondioxide footprint. I would have to calculate things, but by taking out the transportation and transformation losses out of the equation this get a economical feasible way to run your datacenter. Especially when you think about the economical lunacy to use electrical power to produce heat by this quite good radiators from Intel, IBM, AMD and to a smaller amount Sun and then cool it down by using electric power again, unconventional ways of power supply getting more and more cost effective and cost saving (As a rough guess, you need one watt to get one one watt out of your datacenter. Makes two watts. Multiply it with three. So you need 6 Watts primary energy for every watt you need for your datacenter. Maybe lunacy is not the correct word. Brainless would be more correct)

To get the cycle back to the keynote of Dave Douglas. Dave is perfectly right: We have to rethink the supply of power to our datacenter as well as the way to cool our datacenter. Not only because of our environment. There are many economic reasons to get more efficient. At the end: And maybe the generators in our cellar are not expensive disaster recovery assets, perhaps they are an really valuable asset and the public power grid ist just a backup in case your generators fail.

Posted by Joerg Moellenkamp in suncec2007 at 16:00

### **links for 2007-10-14**

Why on-chip accelerators? : Lawrence Spracklen's Blog  
Why onchip SSL accelerators are more efficient than off-chip....  
(tags: SSL cryptography)

Posted by del.icio.us in del.icio.us at 13:20

## **What is Project Indiana?**

Many customers ask : What the heck is Project Indiana?". I tend to say as a short Version "The emancipation of the network distribution model from Linux with all the inherent advantages. " Ben Rockwood seems to have the same opinion and wrote an excellent and blazing plea for Project Indiana: What Is Project Indiana? Explained:What is Project Indiana? Ambiguity where there is none. Possibility where there is constraint. Openness where there is little or none. A fresh start, on a clean sheet, whereby we can explore the full potential of what Solaris could be, can be, and should be.

Posted by Joerg Moellenkamp in Solaris at 11:34

## **SunCEC2007: A kind of a wrap-up**

I won't write that this entry will my last entry about CEC2007, because i'm sure i will find some interesting blog entries about this and i still didn't summarized the Keynote of Don Grantham. But before i forget something, i will write down my thoughts.

### The conference

CEC2007 was really cool. As i wrote before: Many good presentations, many interesting informal talks. It was a good mixture. The overarching topic of the Keynotes was Redshift ... well, this underlines how important those customers are for us. There is only an finite amount of computing needed to do your general ledger. Really big SAP systems on one or two small systems is not too far in the future. The growth will come from different customers or from different departments of an existing customer, it has to come from different customers or departments. As Jonathan stated: Redshift is in every company. At the end the CEC2007 was the real Redshift Kickoff Conference.

### Las Vegas

Well, i'm still not fond of this city, but i think it's one of the best places to hold such a large conference. The hotels are much cheaper than in SanFrancisco, thus you have more money in a given budget for other things like a decent show program around the event or - more important - inviting more people to CEC. And this is highly advantageous. Will come to this later.

Las Vegas is a city full of eye candy, but there is no soul. Las Vegas is like a large amusement park with the overarching theme sex, drugs, gambling and rock n'roll ... and the casino hotels are something like separated worlds in it (like the theme parks ins the Disney Resorts). I think this city is okay for 2 or 3 day ... but a day longer and I would opt for a rental car to get out of the city.

### More people

There were 1000 people more on CEC2007 than last year. When all attendees learned only a thing or two at CEC, this events makes our customer engineering workforce much stronger. More people leads to more communication. More communication to more exchange of opinions.

### Critic

1. We need more more WLAN, more bandwith, more power outlets. Gred Papadopolous talked last year about the ever elastic demand of computing power. The CEC crowd is a nice example for the ever elastic demand of internet connectivity.
2. The breakfast was much better, but i'm still not convinced that a croissant with ham or a wrap with a generic egg-simulating substance is a decent breakfast.
3. Next CEC: Sun Rays, lots of Sunrays ... moooooore Sunrays ....
4. The idea of the paperless conference was a good idea. But the paper boxes for the cartons spoiled that topic a little bit ...

### A suggestion for improvement

Some tips for having dinner would be nice. Maybe a short chapter in the conference guide or a wiki entry for decent restaurants in Las Vegas written by a Las Vegas resident.

Kudos!

1. The conference was worth every hour of travel and every hour of missed sleep.
2. From my perspective the conference was organized in a good and professional way. Really, kudos to the org team.
3. The messaging team for the questions from the auditorium did a great job. But next time: only one question at once for Andy B.

Posted by Joerg Moellenkamp in suncec2007 at 07:41

Saturday, October 13. 2007

### **Recommended music: Parov Stelar - Shine**

I discovered the music of Parov Stelar in February of this year for my self and "Seven and Storms" is still one of my favorite albums. This album has now a sucessor: Shine. It's the same mixture of Jazz, Soul and Downbeat that made the first album one of my favorite albums. It's not as good as it's first one but it's still way beyond 95% of the trash that was published this year. My only critic remark to the album is the recycling of some ideas of the first album. You should listen: Your fire, Come closer and Homesick

Posted by Joerg Moellenkamp at 21:26

### **SunCEC2007: Jetlag**

I finally know, why i was so tired throughout the complete CEC. I simply didn't switched to the Las Vegas timezone ... I have virtually no jetlag now back in germany. I stayed awake until 8:00 pm yesterday and had only to recover from beeing 30 hours awake with 12 hours deep and healthy sleep. This is more than twofold the amount of my normal sleep.

Posted by Joerg Moellenkamp in suncec2007 at 20:43

### **SunCEC2007: Alec Muffett**

Alec published his presentation for the public: IT Futurology and the Terabyte iPod. A must-view. Really. It was excellent...

Posted by Joerg Moellenkamp in suncec2007 at 18:52

### **SunCEC2007: CEC and blogging**

CEC had a really interesting effect on the access patterns of my blog: Before CEC the colour of the US in Google Analytics was a light, barely visible green. Now it jumped to a solid friendly green. I hope, that these are really people in the US, and not only Europeans in Vegas

The real surge came from RSS. The subscriber count jumped by 50 people to nearly 550. Last week was the first week with out a drop under 400 (out of a strange reason, once a week the subscriber count drops slightly under 400). Hundreds of live hits on each day on each article. That was really cool. Thankyou.

The integrated twitter-feed was quite successful. I've got some interesting feedback about the life twitters. Even from outside the company. BTW: The word, that CEC is our premier technical conference got traction at our customer base.

From the blogging perspective i've made some conclusions and lessons-learned:

1. Although the WLAN infrastructure was better than in Moscone last year, it was somewhat problematic to get internet access. 4000 Sunnies is the baddest thing that can happen to a network infrastructure. The rumours on the floor ranged from saturation of the WLAN-router address tables to complete saturation of internet connection of the hotel. But i have no confirmation for any for this rumours. As an engineer doesn't come under two WLAN enabled gadgets all rumors are prefectly feasible...
2. I would take my boosted Linksys with the high-gain omni with me to the next conference. I hope TSA allows me to checkin this 1 meter antenna beast. WLAN access guaranteed. (Although the toasted colleagues in the hallway are an bad side effect)
3. Next time, i would use an offline editor.
4. I need a new Mac ... badly ... the tooling on Windows is horrible. YMMV. This was the main reasons why i didn't made a podcast from CEC. You really miss Garageband when you can't use it ....
5. Next time i will print "Visit c0t0d0s0.org" on my lloveSolaris-Tshirt. Many people know my blog, but nobody knows the person behind it
6. Was really fun to blog from CEC2007.

**Blog Export: c0t0d0s0.org, <http://www.c0t0d0s0.org/>**

Posted by Joerg Moellenkamp in suncec2007 at 11:38

Friday, October 12. 2007

### **SunCEC2007: Photos from Las Vegas**

I've uploaded the first bunch of photos from Las Vegas:

Posted by Joerg Moellenkamp in [suncec2007](#) at 20:08

### **SunCEC2007 Day 5: Finally at home**

At last ... I'm back in Hamburg ... 24 hours after leaving the Hotel in Las Vegas. The trip to CEC2007 has found it's end now ...

Posted by Joerg Moellenkamp in [suncec2007](#) at 16:16

### **SunCEC2007 Day 5: Back in Germany**

I'm not home right now. But i'm back to germany now, sitting in the FTL lounge in Frankfurt. Was a nice flight. The business class upgrade was worth every mile i spend for it. We had severe turbulences over Greenland. This waked me up in the middle of the flight and kept me awake for over an hour. But hey, other people pay for such a ride in an amusement park.

I didn't wrote my summary of CEC2007. This will be a job for the weekend. The Inflight Entertainment was more tempting Livefreeordiehard (aka Die Hard 4.0) was fun, the House M.D. episode was an older one (it was the one, where a young man get unconscious after sex. Diagnosis at the end: gout), but i'm now sure that I need the episodes in their original language and an unsynchronized Harry Potter is nice, too.

The problems with my travel schedule were solved in San Francisco. The woman at the check-in counter in Vegas was really incompetent. It was bullshit, that she wasn't able to check me in to Berlin. But the Lufthansa Counter in SFO solved that problem, they even searched for my luggage to put a new luggage badge on it, routing it to my final destination. But th that wasn't the best round my journey back home. I checked in one piece of luggage in Vegas, but they found two in the carts for the 747. I assume, that the unlucky guy at the check-in counter left of me will wait vastly longer for his luggage. As i stated before: The women at the Vegas check made the impression of being vastly overstrained.

PS: I'm really glad i was at CEC, but now i want to be at home.

Posted by Joerg Moellenkamp in [suncec2007](#) at 10:29

Thursday, October 11. 2007

### **SunCEC2007 Day 4: A little bit annoying**

Okay, the flight back home starts to get a little bit annoying. I have to re-checkin at SFO again, while my baggage was checked in until Frankfurt. So i have to checkin my baggage in Frankfurt to get it to Berlin. So i have to go to checkin at every airport of this journey.

Posted by Joerg Moellenkamp in suncec2007 at 17:46

### **SunCEC2007 Day 4: On the way back to germany**

It's half five now ... my flight to SFO goes in 4 hours to board a 747 heading to Germany there.. This was my trip to Las Vegas and to CEC2007. Was a really good event. I think i will write a summary on my flight back. Albeit it was nice here, it's good to get at home now ... i want my own bed.

PS: I've made somewhat over 400 photos of the Bellagio water fountains in action yesterday evening. There some really good shoots. Will upload them back home.

Posted by Joerg Moellenkamp in suncec2007 at 14:35

### **links for 2007-10-11**

Chris Harrison - Internet Map: City-to-City Connections  
(tags: culture fun geo image internet visualization maps map network)

Posted by del.icio.us in del.icio.us at 13:19

### **SunCEC2007: Metric of interestingness**

How can you measure the interestingness of a keynote? It's really simple. My colleague Gerd observed, that the more interesting a keynote was, the less notebooks were active. Thus the metric to measure the interestingness would be the count of notebook backlights. Or as I suggested to him for automating this metric: Simply count the active MAC addresses on the WLAN routers.

Posted by Joerg Moellenkamp in suncec2007 at 04:08

Wednesday, October 10, 2007

### **SunCEC2007 Day 3: All-Hands GSE**

I was in the GSE All Hands Meeting. It's a internal meeting, so i won't write about it's content. But one thing was really interesting: Most of the people looked so tired like i feeled yesterday. From this point it must been a really good party yesterday evening.

Posted by Joerg Moellenkamp in suncec2007 at 19:23

### **SunCEC2007 Day 3: Why CEC?**

What's the sense of having such a huge engineering event. It's not a small or cheap challenge to get 4000 Engineers at one place. So ... what's the benefit: Albeit most breakouts were really good, the keynotes were informative and inspiring , the trip to Las Vegas is a nice incentive.

But the core asset of this conference lies somewhere else It's communication, the talks between the session in the floors. I had some really interesting discussions in informal talks at CEC. I have learned a thing or two but more important i've met people with different perspective , different challenges and different solutions on topics similar to those, which keeps me awake.

It was worth to travel 10 hours for this talks alone ... well ... to be exact .. it were 24 hours bed to bed ...

Posted by Joerg Moellenkamp in suncec2007 at 16:13

### **SunCEC2007 Day 2: Tired ...**

I've must been really tired yesterday. At least i woke up at 10 o'clock in my hotelroom yesterday evening sleeping left of the running notebook with a flashcard reader under my back and the pocketbook with my notes wrapped into the blanket ...

Posted by Joerg Moellenkamp in suncec2007 at 14:34

### **SunCEC2007 Day 2: Photos of the Keynotes of the 2nd day**

Posted by Joerg Moellenkamp in suncec2007 at 13:21

### **SunCEC2007 Day 3: Convergence**

Five or six people already asked me, why i use my smartphone (an Nokia E61, when you look around at CEC it seems, that half the production of this phone has gone to Sun) in the sessions and type messages troughout the . It's not that i'm ruining Sun by sending short messages to a love interest (okay, at least not at the keynotes, and i prefer IM for that ... national GSM short messages are expensive, the price for international ones is outright obscene ).

It's much simpler ... i feed my blog with this phone. Well, not directly and not for the long articles, but when you look at the front page you see a block of five short messages on the top. This block is feeded by my twitter-account, This feed gets it's input from the simplified mobile twitter interface. And now the E61 comes into play: It has WLAN, it has a webbrowser .. all you need to feed twitter (and thus all you need to blog a short message) while sitting in a keynote or walking around at the conference. This is Web 2.0 as i want it .. a simple way to connect services to produce content with several (very different) input devices.

Posted by Joerg Moellenkamp in suncec2007 at 12:51

### **SunCEC2007 Day 2: Niagara 2 Systems launch**

I wrote many entries about Niagara2 in the past and will write much about the systems when i'm back home in Germany

(in the meantime Allan Packers link list is a really god start). So i won't write about the systems now. Nevertheless i want to write about the event itself. It was really cool launch. As far as i know it was the only launch (at last since i work for Sun) in front of 4000 peoples with at least half of them wearing "I love Solaris"-t-shirts. Jonathan made an excellent keynote before and so it was a kind of a special atmosphere that surrounded the event.

The event started with the usual presentation about the advantages of the new systems hold by John Fowler. Then Andy B. and Rick Hetherington (lead of the N2 development) joined the stage and the real metal was presented. And this metal is really cool. 64 Threads. 64 Gigabytes. There was a Constellation-chassis full of T6230 blades. Doesn't sound impressive.? This rack contains 48 blades. 3072 Gigabytes of memory in one rack. 3072 threads in one rack. I find this really cool. After testimonials from Ichiro Hirose of Fujitsu and Jason Turner of Mediastile, John talked about the six records on benchmarks (ranging from specjbb over specweb to specfp) and led to the Q&A session.

Andy B. made on of the best comments when he answered the question about the Oracle Licensin with "There are several opsn-source databases out there which runs really good on this systems". He got instant applause for this comment. I assume, that many colleagues share my opinion about Oracle ("incredible expensive, political pricing and unneeded for many databases").

So ... it was a really cool event. I think it would be a good idea to keep this way to announce such groundbreaking products. There is no better auditorium for such announcement than 4000 engineers. Maybe we can get even more ecstatic as the Apple folks when we announce Rock and Supernova The systems would deserve it ...

PS: I don't know if i'm correct, but i thing we've offically announced Project Etude (Solaris 8 container on Solaris 10) yesterday on one slide. It's called Solaris 8 Migration Assistant.

Posted by Joerg Moellenkamp in [suncec2007](#) at 11:59

## **SunCEC2007 Day 2: Photos of the Niagara 2 Systems launch event**

Posted by Joerg Moellenkamp in [suncec2007](#) at 11:17

## **SunCEC2007 Day 2: Party**

The CEC party starts in this minutes at the Palms in Vegas. I've decided not to go there, as i don't like parties and - more important - i'm incredibly tired right now.

Posted by Joerg Moellenkamp in [suncec2007](#) at 04:08

## **SunCEC2007 Day 2: 1st breakout - RBAC by John Walsh**

It wasn't the presentation i've expected, but that was my own fault ... reading the abstract before the presentation avoid surprises. I had expected a presentation about Solaris RBAC. Nevertheless the presentation by John Walsh was quite interesting, as it looked to Role Based Access Control from a organisatorial perspective: How to implement Roles? Where are the challenges in doing so?

I took some interesting information out of this breakout.

Often the first try of a customer to implement roles end in role explosion ( worstcase: vastly more roles than users)Don't try to put 100% of all roles in your model. The project will never finish80% of the people use 20% of the roles. 20% of the people use 80% of the roles.Based on this observation, define a standard set of roles for the 80% and use exceptions (together with a decent toolset) for the residual 20%There are two methods to determine roles: Top-Down (ask managers about roles) and bottum-up (ask authentication databases about roles). Mostly you end with using both methodologies in a hybrid approach. But whatever you choose to do, choose the methodology that has the least potential of role explosion

Posted by Joerg Moellenkamp in [suncec2007](#) at 03:50

## **SunCEC2007 Day 2: 4th Breakout - "Niagara 2 and Victoria Falls in depth"**

This was the only presentation i've left early. Nothing new in it for people who try to stay informed and the presentation had room for improvement (to say it polite) . Nevertheless i can't write about the contents of this presentations, as it was

marked as "Sun internal" only. Enough said....

Posted by Joerg Moellenkamp in suncec2007 at 03:32

### **SunCEC2007 Day 2: 2nd breakout - Web 2.0 by Tim Bray**

I start the summary about the breakout sessions i've attended today with the best one. Tim Bray talked about his insights into Web 2.0. It wasn't really about the hype inherent to this meme. It was more about the technological side of the phenomenon and foremost to development of such applications as the nature of the Web 2.0 mandates, that certain key issues are addressed by the development framework.

Tim Bray thinks, that there are for key issues to developers of Web 2.0: Scaleability, Time to market, Maintainability and Integration. Interestingly he doesn't say "Java for all" because it's simply not true. For example people opt for PHP because of Scaleability because of the default shared-nothing architecture of PHP application, and Time to market, as it's easy to hack together an application. But the code is mostly unmaintainable, as Tim summarized it : "Bad SQL-Code, in Spagetti-PHP-Code in Spaghetti-HTML".

Ruby on Rails on the other side addresses Time-to-maket and maintainability, as code written for this framework tends to be more compact and by the fact that it's difficult to evade unit testing. From the viewpoint of Tim, Ruby on Rails has the potential to get as big as Java is nowadays, once Ruby has solved it's performance and scaleability problems.

Out of this reasons, Sun works together with the community: Warm relationships with the developers, sponsoring of equipment, employment of top developers for the JRuby implementation and so on. The talk of Tim was a good example of the new agnostic-ness of Sun. Java is a good answer to many questiions, but not for all. Almost at the end of his presentation, he came up with the tagline that summarizes this position: "The network is the computer. The computer is heterogenous. Deal with it!"

Tim was definitely the highlight of today's breakout sessions. I share his opinions. Programming languages are tools, not religions and we should handle them as tools: using the right tool for the given job.

Posted by Joerg Moellenkamp in suncec2007 at 03:15

### **SunCEC2007 - Day 2: Macs**

When you look around, there is one thing even more ubiquitous than last year: The bitten apple on the lid of notebooks. Looks like Sun engineers have a profound affinity to well designed technology even for their notebooks. And optically a MacBook Pro matches better with our server as a boring black notebook.

Posted by Joerg Moellenkamp in suncec2007 at 01:14

Tuesday, October 9, 2007

### **SunCEC2007 Day 2: Solaris**

Dan Berg and Jim Baty argue about who was awake for a longer time ...  
Voice from the off: "I'm always on"  
Dan: "God?"  
Voice from the off: "Solaris!"

Posted by Joerg Moellenkamp in suncec2007 at 19:20

### **SunCEC2007 Day 2: Jonathans Keynote**

Jonathans has closed his presentation right now. Really good .. as usual ...

Some short takeaways from the keynote:  
He thanked for 1.2 \$ billion more profitabilityHe is really pissed about patent trollingthe momentum around our os is undeniable""we develop for customers who see IT as a competitive weapon"There is Redshift in every company"No fear. (Show courage)" when going after opportunities ...

Posted by Joerg Moellenkamp in suncec2007 at 18:58

### **SunCEC2007 Day 2: General Session begins**

The room has filled .. only seconds to go for he start of the 2nd day...

Posted by Joerg Moellenkamp in Strange Days at 17:10

### **SunCEC2007 Day 1: 4th breakout: Future The Future of Reliability by Gary Combs and Richard Elling**

This was my last breakout yesterday. But it was really interesting. The talk answered many questions about future direction, what Sun will do in the future to make systems more reliable.

Interesting facts from the talk:

Integrated circuits have the same reliability regardless of the size of the structure. Thus reducing chip count by higher integration increases the reliability.RAS is a trade-off business. Serviceability may reduce reliability. Example: When you need extra chips to do hot-swap, the chip count increases, thus the reliability decreases.There will be really cool stuff to protect servers against memory failures in Supernova-Class systems (systems with the Rock processor). Really, really cool stuff ...Chip count of SMP-Systems vastly decreased since UPA, thus increased reliability.Solaris 10 Fault Management Architecture has a nice real world effect. Much less cases in certain areas, because of automatic reactions by the Solaris 10 operating system (like memory page retirementSun designs Servers in a different way, where other systems have up to 6 or 8 currents at their power supplies, Sun power supplies generate only two currents. The power supply gets much simpler, thus more reliable.

The talk of the both was really informative. Was a good closure of the conference day.

Posted by Joerg Moellenkamp in suncec2007 at 15:45

### **SunCEC2007 Day 2: suncec2007 at technorati.com**

The tag suncec2007 seems to be quite popular at technorati. At least i found it on the second rank for "WTF´s wanted" for popular searches this morning. I've added a first WTF ("Where´s the fire?") blurb Would be nice to see more blurbs about CEC at Technorati.

Posted by Joerg Moellenkamp in suncec2007 at 14:28

## **SunCEC2007 Day ... well Night 1: One thing i really hate about CEC**

There is one thing i really hate about CEC: The duration. It's either too long or too short. On one hand it's too long to simply ignore the time difference and to stay in your own time zone. But even then the inner clock would slightly creep towards the new zone. On the other hand, it's too short: When your inner clock is synchronized to the local time after two or three days, you travel back into your native time zone. Damn ... a discworld would be much nicer for such trips ...

Posted by Joerg Moellenkamp in suncec2007 at 14:09

## **SunCEC2007 Day 1: Opening Event**

The opening event today was really cool. A live event ... with live music and live dance on the stage. The music was quite cool. The band this morning was Soul in the machine. The musical style of this band is somewhat similar to Collide, thus it matched my preferred music style. Even i'm not really fond of live dance performance on stage on such events, it really offered some quite cool eye candy ... the idea with the kite was really nice .... you will find some photos of the event at flickr

Posted by Joerg Moellenkamp in suncec2007 at 07:04

## **SunCEC2007 Day 1: 3rd breakout - Myths in networking by Radia Perlman**

There is a special track at the CEC that is called "Luminaries". It's reserved for colleagues that are really capacities on their field. One of these luminaries is person known in the whole industry: Radia Perlman. Most of you will know her as the inventor of the most annoying but equally most butt-saving feature of Ethernet ... the spanning tree protocol.

Her talk was a really enlightening about the past, present and the future in networking. But the best were the endless amount of good examples and stories (i'm only able to paraphrase them):

- Ethernet is not a network ... it's a shared access link layer.
- It's was a good idea that ISO didn't substituted TCP/IP ... because one them is a standard body, the other a protocol.
- She hates HTTP. She thought ASN.1 is too complicated until she saw XML. In her opinion, it's even more complicated than ASN.1 from a computing perspective. Thus any protocol transporting XML over HTTP combines the two most insulting protocols.
- The trend to tunnel much communication about port 80 to be more firewall friendly is indeed firewall hostile, as it prevents the firewalls from properly do it's task
- You should know the problem before you try to solve it. Her best example: When her son was three he cried about a problem with his hand. She kissed it several times and asked him about the problem. He peed on his hand.

It was a really exciting presentation. Many insights from a woman which really knows her stuff.

PS: One of the last point was really insightful, too ... End2End encryption in the Internet would be the end of the world ... well at least the end of the Internet as we know it. The reason is obvious. With encryption you wouldn't be able to look into the communication between a spammer and it's target mail account, thus antispam techniques other than filtering on the client would have no vector to work as they can't look into the mail or mailheaders There wouldn't enough bandwidth to transport the SPAM otherwise filterered out before reaching to many hops in the internet.

Posted by Joerg Moellenkamp in suncec2007 at 06:35

## **SunCEC2007 Day 1: Masses of engineers**

I've wrote in my Twitter feed about the number of attendees: 4000 engineers. This number is interesting out of two reasons: At first its a large amount of people that came together for this conference. Think only about the logistics challenges like breakfast or the problem of 4000 people leaving the room right after the keynotes.

But the more interesting point is: As far as i recall 40 % of the customer facing enginner force of Sun was invited to CEC. This means there are round about 10.000 customer facing engineers out there to represent the technology. Really a huge number .... but when you hear about all the new and cool stuff we will do now and tomorrow, not a single engineer too much ...

Posted by Joerg Moellenkamp in suncec2007 at 06:00

### **SunCEC2007 Day 1: Photos from the Keynote Event**

I've uploaded the my first photos from the keynotes of the Day 1 of the CEC to flickr. Will do the cleanup this evening.

Posted by Joerg Moellenkamp in suncec2007 at 01:36

### **SunCEC2007 Day 1: 2nd breakout - IT-Futurology by Alec Muffet**

IT changes the life, it changes processes, it changes business. Interestingly the way the presentation has to be staged, it showed how huge the possibilites are in everybody's hand. Alec wasn't able to make it to Las Vegas out of private reasons. Thus he had prerecord it, send to Las Vegas to a colleague to show it.

Would you believed 10 years ago, that we would able to record a presentation with voice on you home computer, generate 166 MB of files and send it via Internet over the world? And this is the point Alec made in his talk, the world of computing will change within the next 5 years even more massively than it has done in the last 10 years, which leads to complete different way to store, to distribute and to process it, leading to the ultimate red shift application. There is only one problem with it ... there is no need for servers in this possible future. But there is a need for other Sun technologies: Encryption everywhere, assured data integrity and so on ...

This was the best presentation so far and in the way presented on of the biggest proofs of it's contents. Alec, this was really big cinema. Well done! I really hope, that you will publish a single-file version for the public.

PS: I don't present on CEC, but my notebook came to CEC honours today, as it was the only one in the room with a recent version of Quicktime installed. But i have still no idea where is annoying ping every two 5 seconds came from ...

Posted by Joerg Moellenkamp in suncec2007 at 00:55

Monday, October 8, 2007

### **SunCEC2007 Day 1: 1st breakout - Project Darkstar**

I visited the Project Darkstar breakout. It's really interesting how weak the fundamentals of massive online games are. Errorprone, scales badly (you need concepts of so called zones and multiple non-interacting servers) to scale up to the large amount of users.

Project Darkstar wants to solve that. Some interesting concepts like an centralized store of data and actions to enable a real failover and real scalability. It was quite interesting to hear, that the MMO gaming industry has no problem with losing 5 or 10 seconds data, because today a really nasty fault would cause the loss of weeks or month worth of data. A financial CTO would go insane about 5 seconds data.

People, who ask why we develop such a software: Jeff told us about closed and pending wins for this software. Was a really informative presentation. This isn't exactly a technology i will use at customers sites, but it was an really interesting look into the challenges of a completely different business.

Posted by Joerg Moellenkamp in suncec2007 at 21:05

### **SunCEC2007 Day 1: Keynotes**

The executive keynotes started. At the moment Andy speaks about new developments in x86. Sounds really cool, but the presentation is tagged confidential. You can expect really cool new things in this space.

PS: More up date messages of the conference you will find at my twitter feed because i can update it from my mobile phone.

Posted by Joerg Moellenkamp in suncec2007 at 19:27

### **SunCEC2007 Day 0: End of the zeroth day**

Okay, this was the first full day in Las Vegas. I'm incredibly tired at the moment. The jetlag seems to be worse than the last time in Las Vegas. Made a long walk on the Las Vegas Blvd to search for the Apple Store (only to learn that the iPod touch was sold out). After this i've looked into several of this "hotels": Belagio, Venecian, Cesars Palace and so on ... the same thing in different variations ...

Okay, i will go to bed now ... the blogging about the CEC in this blog will start tomorrow morning ...

Posted by Joerg Moellenkamp in suncec2007 at 04:49

### **SunCEC2007 Day 0: Some thoughts about Las Vegas**

Nothing is real in this city. It's a copy. Albeit it's an achievement to copy on such a scale, it misses something ... i wasn't able to find something like a soul ... It's really strange to look on the miniature Eiffel Tower. I was at and on the real tower some weeks ago, so i have a comparison: The real one breathes history, the Las Vegas one is just backdrop. I don't like this city, it looks like a bunch of shopping malls, hotels and casinos with some urban areas for the people working in the first. On my tenth Starbucks mug there is the tagline "Capital of entertainment". I would change it into "capital of copy"

PS: Well i've shoot dozens of photos today while walking on both sides of the strip ... expect really a vast amount.

Posted by Joerg Moellenkamp in suncec2007 at 04:17

Saturday, October 6. 2007

### **SunCEC2007 Day -1: Darling of fortune**

Looks like í'm a darling of fortune: I've lost 50.000 miles, but got an upgrade for the flight back home in Business Class ...

Posted by Joerg Moellenkamp in suncec2007 at 11:51

### **SunCEC2007 Day -1: Fog**

Oh no ... i don't believe we will leave Berlin on time .... dense fog ...

Posted by Joerg Moellenkamp in suncec2007 at 08:28

### **SunCEC2007 Day -1: Lounge in TXL**

I think, i can become accustomed to fly as an Lufthansa Frequent Traveller. Lounge access is really cool. Better coffee, free food and at foremost chairs! Plenty of them ... And power outlets ... enough power outlets.

Posted by Joerg Moellenkamp in suncec2007 at 08:12

### **SunCEC2007 Day -1: From Berlin to Las Vegas**

Late-night checkins are really a usefull thing, most of my colleagues in Hamburg have to wake up at five to be 3 hours early at the airport. But the (although canceled) meeting in Berlin saved me from flying Continental in a 757. Call me conservative, but i think that Richard Branson is correct with "4 engines 4 longhaul". I know, the 757 has an ETOPS certification ("Extended-range Twin-engine Operational Performance Standards" but i prefer "Engines Turn Or Passengers Swim") but it's a matter of trust (i don't like Boeing) and of comfort (according to all sources the A340 is a really quiet plane)

Hopefully i have some time to write at Frankfurt, but the next main blog entry will be made from Las Vegas. From my view, Las Vegas is a bad location for a conference. When you tell you friends. you go to San Francisco for a conference they say "Have a nice conference and don't forget to do some sightseeing". When you tell them, that you fly to Las Vegas for a conference, they answer "Have fun, and don't forget to visit the conference".

Apropos Las Vegas: Television has an interesting effect on the perception of a city. In former times it was the city of Siegfried&Roy, the city of the Rat Pack, even the city of the Mob (of course besides of Chicago). But nowadays i think about plenty of dead people. Why? I assume i've viewed to many episodes of CSI Las Vegas. And that "happy slapping"-episode (aired a week ago in Germany) doesn't generate confidence as well

Well, it's 6:30 ... breakfast ....

PS: I've recognized, that i forgot something important ... batteries for my Quiet Comfort. BTW: I think Constantin is incorrect ... i've tried in-ear headphones but active noise canceling yields at least for me more silence ...

Posted by Joerg Moellenkamp in suncec2007 at 05:57

### **About Jonathan**

Now as it look that Jonathans leadership will be a successful one, articles about him start to arrive: The 'Warrior' Within Jonathan Schwartz. Schwartz has begun to back up his tough talk with some real accomplishments. By returning the company to profitability, big customers are no longer fearful the supplier could go under. By inking deals with former rivals such as Intel (INTC) and IBM, he has expanded the ways Sun's technology can get to customers Sun doesn't have the sales breadth to reach.

**Blog Export: c0t0d0s0.org, <http://www.c0t0d0s0.org/>**

Posted by Joerg Moellenkamp in Sun at 05:10

Friday, October 5, 2007

## **xVM isn't just Xen**

Marc Hamilton wrote about the preview of xVM, our virtualisation technology, in his blog. I wanted to add some thoughts to it. I've talked with some customers about xVM in the last few days about our upcoming virtualisation. And one comment was "Hey, you've just ported Xen to Solaris. This isn't a big thing". And while Xen in Opensolaris is a technical achievement, it isn't exactly an unique selling point. So why should you use Xen on Opensolaris: Well, as usual the reason lies in the complete system called Solaris/Opensolaris.

The point behind virtualisation with Solaris is the interaction with other features integrated deeply in Solaris. For example: There is something called "Fault Management Architecture" in the operating environment. It tracks all faults in the system (for example corrected memory errors or similar early warning for imminent faults). When the amount of failures for an component reaches an threshold, the operating system deactivates it (for example, evacuates and retires a memory bank). An failing memory chip can't destabilize the system when there are no accesses to it (okay, except really spectacular electrical faults like burning memory chips ). The point: The virtualization can leverage this function, you can even think about an auto-evacuation by live migration when the probability of an fatal error reaches a certain amount (i wrote about this idea at several occasions like the windows desktop virtualisation with XEN) .The same with ZFS: Think about virtual disks based on sparse provisioned emulated volumes. Get a checksum protected NTFS and circumvent the need to grow the filesystem by thin provisioning.

The advantages of xVM are systemic ones. xVM isn't just Xen, it's the Not the feature itself, the integration into the operating system gives the reasons to use it instead Xen on Linux or even VMware.

Posted by Joerg Moellenkamp in Solaris at 20:18

## **Sun x86: "I was surprised as hell"**

Interesting quote about Suns x86 systems at Internetnews:"I was surprised as hell," Dan Olds, principal of GCG, told InternetNews.com. "The big thing it tells you is that real customers see plenty of differentiation in these boxes, even if the vendors are using the same chips, Ethernet cards and other components">

Posted by Joerg Moellenkamp in Sun at 20:00

## **SunCEC2007 Day -2: Heaven on earth ...**

Bad thing: My meeting was canceled due a really bad cold (according to voice) by the customer. The good: For the leg between Frankfurt and Denver i've got an emergency exit row seat. It doesn't get better than that in Economy. Legroom galore. Row 26 is the best you can get in an A340-600 according to the usual websites. Yippie !

Posted by Joerg Moellenkamp in suncec2007 at 18:31

## **links for 2007-10-05**

"Maria Stuart" in Hamburg: Koeniglich schrecklich - Kultur - SPIEGEL ONLINE - Nachrichten  
(tags: theater)

Posted by del.icio.us in del.icio.us at 13:20

Wednesday, October 3, 2007

**links for 2007-10-03**

User Authentication on the Solaris OS Part 2: Introduction to PAM  
(tags: authentication security solaris sun pam)

Posted by del.icio.us in del.icio.us at 13:22

Tuesday, October 2. 2007

## **links for 2007-10-02**

Deutschlandradio Kultur - Thema - Vom "SturmgeschÃ¼tz der Demokratie" zur "Spritzpistole der Angela Merkel"  
(tags: politik)

web-zweinull Ã» Web 2.0?  
(tags: web2.0 deutsch)

O'Reilly -- What Is Web 2.0  
(tags: web2.0 oreilly technology business)

Technology Review | Infotech | Internet | â€žErfolg hat nichts mit GlÃ¼ck zu tunâ€œ  
(tags: web2.0)

Posted by del.icio.us in del.icio.us at 13:20

## **The last lecture of Randy Pausch: Really achieving your childhood dreams**

A university professor gets the fatal diagnosis of terminal pancreatic cancer. This is the recording of his last lecture one month after he get the message, that he will have 5-6 month of good life. A really great lecture. Was really worth to invest the one and a half hour to look at it.

BTW: He had a "death bed conversion" ... he bought a mac shortly before the lecture ...

Posted by Joerg Moellenkamp in Fundsache at 09:46

## **EDN about the absence of Itanium at IDF**

Brian Dipert writes in The Intel Developer Forum: Where In The World Is Itanium? I smell death. Or, if you prefer, I see dead processors.

Posted by Joerg Moellenkamp at 07:54

Monday, October 1. 2007

**links for 2007-10-01**

Why Microsoft must abandon Vista to save itself | Tech news blog - CNET News.com  
(tags: article news vista)

[Phoronix] Sun Solaris Express Developer 9/07  
(tags: opensolaris solaris)

Intel D201GLY mini-ITX - a Low Cost Solaris Solution  
(tags: intel mini-itx solaris)

Jubiläum des Commodore 64: 64 kB für ein Halleluja - Computer-technik - stern.de  
(tags: computer c64 retrocomputing)

MoveOn.org: Democracy in Action  
(tags: politics activism democracy progressive news government community advocacy media)

Top 50 Dystopian Movies of All Time  
(tags: movies dystopia film scifi list future)

Oliver Sacks on Earworms, Stevie Wonder and the View From Mescaline Mountain  
(tags: article music interview interesting psychology)

NETZEITUNG WIRTSCHAFTSPOLITIK: Nicht kleckern, sondern klotzen!  
(tags: Wirtschaftspolitik Transrapid)

ITworld.com - After criticism, Sun changes Java updates  
(tags: Java Security Sun)

de.internet.com - MIT startet Kerberos Consortium mit Google, Apple und Sun  
Das Projekt hiess zwar Athena ... aber doch gut zu sehen, das es bei Kerberos weitergeht ...  
(tags: Kerberos)

Â» A thought about buying from Sun | Paul Murphy | ZDNet.com  
(tags: Sun)

Posted by del.icio.us in del.icio.us at 13:23