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Subject: \*CLOSED\* yaird error when apply debian kernel image on sparc machine.  
Posted by [zsztu](#) on Tue, 06 Feb 2007 20:07:11 GMT

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part of error message:

```
Running depmod.  
Finding valid ramdisk creators.  
Using mkinitrd.yaird to build the ramdisk.  
yaird error: bad value in /boot/config-2.6.18-openvz-sparc64-smp:  
CONFIG_DEFCONFIG_LIST="/lib/modules/$UNAME_RELEASE/.config" (fatal)  
mkinitrd.yaird failed to create initrd image.  
Failed to create initrd image.  
dpkg: error processing linux-image-2.6.18-openvz-sparc64-smp (--install):  
subprocess post-installation script returned error exit status 9  
Errors were encountered while processing:  
linux-image-2.6.18-openvz-sparc64-smp
```

The HN is running ubuntu 6.0.6 , current kernel is 2.6.15-26-sparc64-smp

Any suggestion?

Sam Zhu

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Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [dev](#) on Wed, 07 Feb 2007 15:09:00 GMT

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mmm, what exact command do you use to build/install and create initrd ramdisk?

```
have you done  
# make install  
before creating initrd?
```

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Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [zsztu](#) on Wed, 07 Feb 2007 15:26:34 GMT

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I first installed yaird deb package using dpkg command.  
When installing yaird, there is a error message showed conflict with lvm2, lvm-common packages.  
I removed these two lvm-related packages and got yaird installed.

Then I downloaded debian image from

[http://download.openvz.org/kernel/debian/etch/linux-headers-2.6.18-openvz-sparc64-smp\\_028test007.1d1-1\\_sparc.deb](http://download.openvz.org/kernel/debian/etch/linux-headers-2.6.18-openvz-sparc64-smp_028test007.1d1-1_sparc.deb) and  
[http://download.openvz.org/kernel/debian/etch/linux-image-2.6.18-openvz-sparc64-smp\\_028test007.1d1-1\\_sparc.deb](http://download.openvz.org/kernel/debian/etch/linux-image-2.6.18-openvz-sparc64-smp_028test007.1d1-1_sparc.deb) . when using dpkg to install this kernel image. this is the part of the error message popped up.

Thanks.

Sam

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Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [mastersherin](#) on Wed, 07 Feb 2007 17:10:52 GMT  
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Is it a 32bit server or 64bit server. You are using sparc64 .Please check the server configuration

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Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [zszhu](#) on Wed, 07 Feb 2007 17:26:11 GMT  
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uname -m result: sparc64. It is a sunblade 1000 machine.  
HN kernel version 2.6.15-26-sparc64-smp

so I think this is a 64 bit machine.

Sam

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Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [dev](#) on Wed, 07 Feb 2007 17:45:33 GMT  
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mmmm... is it possible to get an access to take a look? (via PM or email only!).

if not...

let's check what value has CONFIG\_DEFCONFIG\_LIST in your current kernel configuration. For this, find the corresponding /boot/config-<kernel-uname> file and check the parameter.

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Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [zszhu](#) on Wed, 07 Feb 2007 19:22:22 GMT  
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it is not defined in config file

```
`grep CONFIG_DEFCONFIG_LIST /boot/config-2.6.15-26-sparc64-smp` returns nothing.
```

```
but `grep CONFIG_DEFCONFIG_LIST /boot/config-2.6.18-openvz-sparc64-smp` returns  
CONFIG_DEFCONFIG_LIST="/lib/modules/$UNAME_RELEASE/.config"
```

2.6.18-openvz-sparc64-smp is that kernel image failed installation.

right now, under /lib/modules/, in both "2.6.15-26-sparc64-smp" and  
"2.6.18-openvz-sparc64-smp" directories, no .config file exists.

Sam

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Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [dev](#) on Thu, 08 Feb 2007 08:18:54 GMT

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zszhu wrote on Wed, 07 February 2007 22:22it is not defined in config file

```
`grep CONFIG_DEFCONFIG_LIST /boot/config-2.6.15-26-sparc64-smp` returns nothing.
```

```
but `grep CONFIG_DEFCONFIG_LIST /boot/config-2.6.18-openvz-sparc64-smp` returns  
CONFIG_DEFCONFIG_LIST="/lib/modules/$UNAME_RELEASE/.config"
```

2.6.18-openvz-sparc64-smp is that kernel image failed installation.

zszhu wrote on Wed, 07 February 2007 22:22

right now, under /lib/modules/, in both "2.6.15-26-sparc64-smp" and  
"2.6.18-openvz-sparc64-smp" directories, no .config file exists.

maybe that's the problem :/ can you try to copy /boot/config-2.6.18-openvz-sparc64-smp to  
/lib/modules/2.6.18-openvz-sparc64-smp/.config ?

if it doesn't help, can you try recompiling kernel yourself?

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Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [zszhu](#) on Thu, 08 Feb 2007 16:10:47 GMT

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I copied both .config-XXXXXX file from /boot to /lib/modules, undeer their corresponding

directories. Then I came back to `dpkg -i` that kernel image, same error.

To compile to kernel, I downloaded "kernel-patch-openssl (028test007.1d2)" and "linux-source-2.6.18 (2.6.18-7)" from packages.debian.org. when applied the patch, error message is

```
../kernel-patches/all/apply/openssl
START applying openssl patch (OpenVZ kernel patch for virtual server support)
Testing whether "OpenVZ kernel patch for virtual server support" patch for 2.6.18 applies (dry
run):
1 out of 7 hunks FAILED -- saving rejects to file mm/fremap.c.rej
5 out of 44 hunks FAILED -- saving rejects to file mm/memory.c.rej
1 out of 6 hunks FAILED -- saving rejects to file mm/mprotect.c.rej
6 out of 29 hunks FAILED -- saving rejects to file net/ipv4/netfilter/ip_tables.c.rej
1 out of 8 hunks FAILED -- saving rejects to file net/ipv6/udp.c.rej
"OpenVZ kernel patch for virtual server support" patch for 2.6.18 does not apply cleanly
```

And according to this post : <http://www.mail-archive.com/debian-bugs-dist@lists.debian.org/msg295307.html>

patch 028test007.1 should apply against 2.6.18-8 or  
patch 028test006.1. should apply against 2.6.18-7

But I only have patch 028test007.1 and kernel 2.6.18-7. I could download neither patch 028test006.1 nor kernel 2.6.18-8, from debian.org or kernel.org or openssl.org. What a dilemma.

Can you help me find the right kernel release or patch release, or kernel/ patch release that matches (release 2.6.x, x>=15 is ok, for SPARC64 of course) ?

Thanks

Sam

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Subject: Re: yaired error when apply debian kernel image on sparc machine.  
Posted by [mastersherin](#) on Thu, 08 Feb 2007 16:23:05 GMT  
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---

Can you recompile the kernel instead of using rpm. I think the following link will be helpful  
<http://sherin.110mb.com/vps/>

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Subject: Re: yaired error when apply debian kernel image on sparc machine.  
Posted by [dev](#) on Thu, 08 Feb 2007 16:29:34 GMT

Uhh... I asked debian guys, but in case it doesn't matter for you, I can guide you through the process of distro-independent procedure (I'm not a debian user ). Sure, I will post their answer to you here.

Check our wiki page on HOWTO build a kernel:  
[http://wiki.openvz.org/Kernel\\_build#Rebuilding\\_kernel\\_from\\_s ources](http://wiki.openvz.org/Kernel_build#Rebuilding_kernel_from_sources)

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Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [zszhu](#) on Thu, 08 Feb 2007 16:54:10 GMT

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I read it carefully. I can download the kernel 2.6.16 from kernel.org, and the corresponding patch from openvz, but no \*.config.ovz for SPARC64 available on openvz. I do not have a .config available.

I tried to use the old config for 2.6.15 instead, not working.  
Can you find a \*.config.ovz for SPARC64 on openvz.org?

Thanks.

Sam

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Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [zszhu](#) on Thu, 08 Feb 2007 16:59:15 GMT

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dev wrote on Thu, 08 February 2007 11:29Uhh... I asked debian guys, but in case it doesn't matter for you, I can guide you through the process of distro-independent procedure (I'm not a debian user ). Sure, I will post their answer to you here.

That would be cool. I really appreciate it.

dev wrote on Thu, 08 February 2007 11:29Check our wiki page on HOWTO build a kernel:  
[http://wiki.openvz.org/Kernel\\_build#Rebuilding\\_kernel\\_from\\_s ources](http://wiki.openvz.org/Kernel_build#Rebuilding_kernel_from_sources)

But there is no sample config (\*.config.ovz) for sparc64 available on openvz.org, how could I `make menuconfig` then . Now only debian image package available.

Thanks

Sam

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Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [mastersherin](#) on Thu, 08 Feb 2007 17:48:54 GMT

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---

After patching the source please check the source directory ,there will be a directory named "configs/ " in which you can see the config files as follows,

-----

```
ll /usr/src/linux-2.6.16/configs/
```

```
total 108
```

```
-rw-r--r-- 1 root root 36742 Dec 19 13:47 kernel-2.6.16-026test018-i686.config.ovz
```

```
-rw-r--r-- 1 root root 36736 Dec 19 13:47 kernel-2.6.16-026test018-i686-enterprise.config.ovz
```

```
-rw-r--r-- 1 root root 36804 Dec 19 13:47 kernel-2.6.16-026test018-i686-smp.config.ovz
```

-----

Now copy this config to the parent source folder as .config

---

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [zszhu](#) on Thu, 08 Feb 2007 18:40:36 GMT

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mastersherin wrote on Thu, 08 February 2007 12:48After patching the source please check the source directory ,there will be a directory named "configs/ " in which you can see the config files as follows,

-----

```
ll /usr/src/linux-2.6.16/configs/
```

```
total 108
```

```
-rw-r--r-- 1 root root 36742 Dec 19 13:47 kernel-2.6.16-026test018-i686.config.ovz
```

```
-rw-r--r-- 1 root root 36736 Dec 19 13:47 kernel-2.6.16-026test018-i686-enterprise.config.ovz
```

```
-rw-r--r-- 1 root root 36804 Dec 19 13:47 kernel-2.6.16-026test018-i686-smp.config.ovz
```

-----

Now copy this config to the parent source folder as .config

But, that is the config for i686, not for SPARC.

Anyway, I followed you, copied it instead of it is for i686, and did finish the "make menuconfig". then "make all" , error message like:

```
# make all
```

```
CHK include/linux/version.h
```

```
UPD include/linux/version.h
```

```
CC init/main.o
```

```
In file included from include/linux/fs.h:214,
```

```
from include/linux/proc_fs.h:6,
```

```
from init/main.c:17:
```

```
include/linux/dcache.h: In function âdgetâ:
include/linux/dcache.h:315: error: âub_dentry_onâ undeclared (first use in this function)
include/linux/dcache.h:315: error: (Each undeclared identifier is reported only once
include/linux/dcache.h:315: error: for each function it appears in.)
make[1]: *** [init/main.o] Error 1
make: *** [init] Error 2
```

Any suggestion?

Sam

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [curx](#) on Thu, 08 Feb 2007 19:00:17 GMT

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Hi Sam Zhu,

you can get a vaild OpenVZ sparc64 kernel-config file from your  
linux-image-2.6.18-openvz-sparc64-smp\_028test007.1d1-1\_sparc .deb

copy it to your linux-kernel-tree

```
# cp /boot/config-2.6.18-openvz-sparc64-smp /usr/src/<openvz-kernel-tree>/config
```

Modify your config

```
# make menuconfig
```

and build new sparc64-kernel ...

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [zszhu](#) on Thu, 08 Feb 2007 19:18:04 GMT

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---

yes, I followed you, copied the one /boot/config-2.6.18-openvz-sparc64-smp , and did finish the  
"make menuconfig". then "make all" , same error message like:

```
# make all
```

```
CHK include/linux/version.h
```

```
UPD include/linux/version.h
```

```
CC init/main.o
```

```
In file included from include/linux/fs.h:214,
```

```
from include/linux/proc_fs.h:6,
```

```
from init/main.c:17:
```

```
include/linux/dcache.h: In function âdgetâ:
```

```
include/linux/dcache.h:315: error: âub_dentry_onâ undeclared (first use in this function)
include/linux/dcache.h:315: error: (Each undeclared identifier is reported only once
include/linux/dcache.h:315: error: for each function it appears in.)
make[1]: *** [init/main.o] Error 1
make: *** [init] Error 2
```

seems some code error in dcache.h file, Any suggestion?

thanks

Sam

---

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [dev](#) on Fri, 09 Feb 2007 08:33:48 GMT  
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---

yes. just open .config file in any editor and make sure the following OVZ options have these values:

```
#
# OpenVZ
#
CONFIG_VE=y
CONFIG_VE_CALLS=m
CONFIG_VZ_GENCALLS=y
CONFIG_VE_NETDEV=m
CONFIG_VE_ETHDEV=m
CONFIG_VZ_DEV=m
CONFIG_VE_IPTABLES=y
CONFIG_VZ_WDOG=m

CONFIG_SIM_FS=m
CONFIG_VZ_QUOTA=m
# CONFIG_VZ_QUOTA_UNLOAD is not set
CONFIG_VZ_QUOTA_UGID=y

#
# User resources
#
CONFIG_USER_RESOURCE=y
CONFIG_USER_RSS_ACCOUNTING=y
# CONFIG_UBC_IO_ACCT is not set
CONFIG_USER_SWAP_ACCOUNTING=y
CONFIG_USER_RESOURCE_PROC=y
CONFIG_UBC_DEBUG=y
# CONFIG_UBC_DEBUG_IO is not set
```



```
# CONFIG_UBC_DEBUG_VMRSS is not set
CONFIG_UBC_DEBUG_KMEM=y
# CONFIG_UBC_KEEP_UNUSED is not set
# CONFIG_UBC_DEBUG_ITEMS is not set
# CONFIG_UBC_UNLIMITED is not set
```

after that issue make oldconfig and make again

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [zszhu](#) on Fri, 09 Feb 2007 16:20:33 GMT

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---

dev wrote on Fri, 09 February 2007 03:33yes. just open .config file in any editor and make sure the following OVZ options have these values:

```
#
# OpenVZ
#
CONFIG_VE=y
CONFIG_VE_CALLS=m
CONFIG_VZ_GENCALLS=y
CONFIG_VE_NETDEV=m
CONFIG_VE_ETHDEV=m
CONFIG_VZ_DEV=m
CONFIG_VE_IPTABLES=y
CONFIG_VZ_WDOG=m

CONFIG_SIM_FS=m
CONFIG_VZ_QUOTA=m
# CONFIG_VZ_QUOTA_UNLOAD is not set
CONFIG_VZ_QUOTA_UGID=y

#
# User resources
#
CONFIG_USER_RESOURCE=y
CONFIG_USER_RSS_ACCOUNTING=y
# CONFIG_UBC_IO_ACCT is not set
CONFIG_USER_SWAP_ACCOUNTING=y
CONFIG_USER_RESOURCE_PROC=y
CONFIG_UBC_DEBUG=y
# CONFIG_UBC_DEBUG_IO is not set
# CONFIG_UBC_DEBUG_VMRSS is not set
CONFIG_UBC_DEBUG_KMEM=y
# CONFIG_UBC_KEEP_UNUSED is not set
```

```
# CONFIG_UBC_DEBUG_ITEMS is not set
# CONFIG_UBC_UNLIMITED is not set
```

after that issue make oldconfig and make again

Now the topic seems changed to "how to make a kernel for sparc debian".

I strictly followed your suggestion. briefly:

1: get the 2.6.16 source code and put it in /usr/src

2: get the 2.6.16 patch then apply it,

3: copy the .config from /boot/config-2.6.18-openvz-sparc64-smp,

it is similar to what you mentioned before, only CONFIG\_UBC\_DEBUG not defined.

then I `make oldconfig`, after which all of these parameters deleted from .config, only left ones are:

```
#grep -i CONFIG_vz .config
CONFIG_VZ_QUOTA=m
# CONFIG_VZ_QUOTA_UNLOAD is not set
CONFIG_VZ_QUOTA_UGID=y
```

Then the `make all` give out the same ugly error messages:

```
[I] CC      init/main.o
In file included from include/linux/sched.h:12,
      from include/linux/module.h:10,
      from init/main.c:16:
include/linux/jiffies.h: In function 'clock_t_to_jiffies':
include/linux/jiffies.h:397: warning: ISO C90 forbids mixed declarations and code
In file included from include/linux/fs.h:214,
      from include/linux/proc_fs.h:6,
      from init/main.c:17:
include/linux/dcache.h: In function 'dget':
include/linux/dcache.h:315: error: 'ub_dentry_on' undeclared (first use in this function)
include/linux/dcache.h:315: error: (Each undeclared identifier is reported only once
include/linux/dcache.h:315: error: for each function it appears in.)
make[1]: *** [init/main.o] Error 1
make: *** [init] Error 2[I]
```

help .

Sam

---

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [dev](#) on Fri, 09 Feb 2007 16:49:04 GMT

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---

wait, I don't suggest you to take 2.6.16 kernel! 2.6.18!!!  
2.6.16 never supported SPARC!

can you provide me login to your machine? I can make it quickly  
we also provided sparc64 machine to debian-openvz maintainer, so I hope it will be fixed in official repository also.

---

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [zs Zhu](#) on Thu, 15 Feb 2007 15:36:09 GMT

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dev wrote on Fri, 09 February 2007 11:49wait, I don't suggest you to take 2.6.16 kernel! 2.6.18!!!  
2.6.16 never supported SPARC!

can you provide me login to your machine? I can make it quickly  
we also provided sparc64 machine to debian-openvz maintainer, so I hope it will be fixed in official repository also.

Thanks. Can you just give me the link to download the

1: kernel source code

2: matching patch source code

3: matching .config file.

all these 3 should be matching. the ones I downloaded from openvz.org or kernel.org simply do not match.

From the links on that page <http://openvz.org/download/kernel/devel/>, I download the kernel patch  
<http://download.openvz.org/kernel/devel/028test015.1/patches/patch-ovz028test015.1-combined.gz> and kernel source  
[http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.18.tar .bz2](http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.18.tar.bz2)

after apply the patch using 'gzip -dc patch-ovz028test015.1-combined.gz |patch -p1'

I got error when 'make menuconfig'

error message:

.....

.....

scripts/kconfig/lxdialog/checklist.c:290: error: 'KEY\_LEFT' undeclared (first use in this

```
function)
scripts/kconfig/lxdialog/checklist.c:291: error: 'KEY_RIGHT' undeclared (first use in this
function)
make[2]: *** [scripts/kconfig/lxdialog/checklist.o] Error 1
make[1]: *** [menuconfig] Error 2
make: *** [menuconfig] Error 2
```

My machine is an sparc64 sunblade 1000.

Thanks.

wait -- it works, you need to install package lib64ncurses5-dev . hehe . This needs to be added in the documentation !!!

Sam

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [mastersherin](#) on Fri, 16 Feb 2007 03:42:57 GMT  
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Hi Sam,

So now everything is fine ,I will add the "lib64ncurses5-dev" to the documentation soon . I think it only needs for spark64.

Thank you

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.  
Posted by [zszhu](#) on Fri, 16 Feb 2007 20:39:24 GMT  
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mastersherin wrote on Thu, 15 February 2007 22:42:Hi Sam,

So now everything is fine ,I will add the "lib64ncurses5-dev" to the documentation soon . I think it only needs for spark64.

Thank you

I downloaded the kernel patch <http://download.openvz.org/kernel/devel/028test010.1/patches/patch-ovz028test010.1-combined.gz> and kernel source  
[http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.18.tar .bz2](http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.18.tar.bz2)

every thing ok, patching, menuconfig, making deb package(header and image), installing deb

packages(header and image) , good, modules installed, then

reboot, boom !!! I got error message

"kernel panic -- not syncing, irrecoverable deferred error trap"

what is the problem?

I could not access silo yet.

Sam

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [dev](#) on Mon, 19 Feb 2007 09:08:07 GMT

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---

will recheck it today.

can you send plz your .config file you used to compile the kernel?

---

Subject: Re: yaird error when apply debian kernel image on sparc machine.

Posted by [Vasily Tarasov](#) on Mon, 19 Feb 2007 13:17:43 GMT

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As this thread started to be really huge, I created a new thread

[http://forum.openvz.org/index.php?t=tree&goto=10455&#msg\\_10455](http://forum.openvz.org/index.php?t=tree&goto=10455&#msg_10455) and added new information there.

Please, answer on my questions there. Thanks.

---

Subject: Re: \*CLOSED\* yaird error when apply debian kernel image on sparc machine.

Posted by [opalsys](#) on Sun, 25 Feb 2007 20:36:48 GMT

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Hi

The issue reported is a bug in yaird.

It was fixed in version 0.0.12-15.

See the following links for more information:

<http://lists.aliases.debian.org/pipermail/yaird-devel/2006-June/000466.html>

<http://bugs.debian.org/cgi-bin/bugreport.cgi?bug=375813>

It is a result of the -mm patch that is likely to have been incorporated into the kernel by now.

Regards,

// Ola

---