

Smart Proxy - Bug #1429

Solaris Intel Hosts - Boot files not copied / created correctly

01/04/2012 10:36 AM - Oliver Weinmann

Status: Closed	
Priority: Normal	
Assignee:	
Category:	
Target version:	
Difficulty: medium	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
<p>When creating Solaris Intel hosts the boot files don't seem to be copied correctly to the tftp-boot directory.</p> <p>it creates:</p> <pre>boot/Solaris-5.10-hw0811-multiboot boot/Solaris-5.10-hw0811-x86.miniroot</pre> <p>and</p> <pre>menu.lst.01005056B70038</pre> <p>I think menu.lst.01005056B70038 should be called Solaris-5.10-hw0811-pxegrub, as this file is requesting via tftp from a host:</p> <pre>root@puppet:/usr/share/foreman# tcpdump -i eth1 port 69 tcpdump: verbose output suppressed, use -v or -vv for full protocol decode listening on eth1, link-type EN10MB (Ethernet), capture size 96 bytes 16:28:10.182428 IP solar10intel.a.space.corp.2070 > puppet.a.space.corp.tftp: 44 RRQ "Solaris-5.10-hw0811-pxegrub" octet tsize 0 16:28:10.184776 IP solar10intel.a.space.corp.2071 > puppet.a.space.corp.tftp: 49 RRQ "Solaris-5.10-hw0811-pxegrub" octet blksize 1456</pre>	

History

#1 - 01/04/2012 10:47 AM - Oliver Weinmann

I just found out that the boot files are copied correctly. It is just missing the pxegrub loader from the install media.

e.g.

```
cp /Solaris/install/Solaris_5.10_i386_hw0811/boot/grub/pxegrub /var/lib/tftpboot/Solaris-5.10-hw0811-pxegrub
```

If possible change this ticket to a feature rather than a bug.

#2 - 01/05/2012 05:06 AM - David M.

Hi,

I just poked around in the solaris-os class and I'm not sure if the path used in the class is correct.

The solaris-os-class looks for e.g. /some/path/Solaris_10/Tools/Boot
As far as I can see the files (especially pxegrub) is a symlink:

```
pxegrub -> ../../../../boot/grub/pxegrub
```

Maybe it would be better to simply use /some/path/boot/ as source for the pxegrub-stuff?

#3 - 01/05/2012 09:22 AM - Oliver Weinmann

Sounds good. There is another problem I have when deploying solaris maybe you know. Puppet and Facter are not installed automatically. I'm not sure but in the prov templdate there is a line:

```
/usr/bin/cp /var/pkg-get/admin-fullauto /var/pkg-get/admin > /dev/null
```

this should install pkg-get?

Regards,
Oliver

#4 - 01/05/2012 10:02 AM - David M.

Hi Oliver,

I just took a deeper look at the provisioning template of solaris.

```
# Now ensure that we have the newest puppet and facter installed
/usr/bin/cp /var/pkg-get/admin-fullauto /var/pkg-get/admin > /dev/null
/opt/csw/bin/pkg-get -U
/opt/csw/bin/pkg-get -u -f CSWfacter CSWpuppet
```

For me facter and puppet are installed (or upgraded) in the 2 lines below the one you've posted.

I guess the problem is that pkgutil asks you to install dependencies. On my SPARC testmachine, the only one I have with pkgutil, this is happening when I execute:

```
/opt/csw/bin/pkgutil -u -f CSWfacter CSWpuppet
```

```
root@sv2341:~# /opt/csw/bin/pkgutil -u -f CSWfacter CSWpuppet
Solving needed dependencies ...
Solving dependency order ...
Install 40 NEW packages:
  CSWalternatives-1.1.1,REV=2011.05.31 (opencsw/unstable)
  CSWaugeas-0.7.0,REV=2010.03.01 (opencsw/unstable)
  CSWbdb48-4.8.30,REV=2010.12.06_rev=p0 (opencsw/unstable)
  CSWcacertificates-20111106,REV=2011.11.06 (opencsw/unstable)
  CSWcas-initsmf-1.44,REV=2011.04.21 (opencsw/unstable)
  CSWcas-migrateconf-1.43,REV=2011.04.24 (opencsw/unstable)
  CSWcas-preserveconf-1.42,REV=2010.11.26 (opencsw/unstable)
  CSWcas-usergroup-1.44,REV=2011.05.02 (opencsw/unstable)
  CSWcommon-1.5,REV=2010.12.11 (opencsw/unstable)
  CSWfacter-1.6.4,REV=2011.12.14 (opencsw/unstable)
  CSWgcc4coreert-4.6.2,REV=2011.12.28 (opencsw/unstable)
  CSWiconv-1.14,REV=2011.08.08 (opencsw/unstable)
  CSWlibcharset1-1.14,REV=2011.08.07 (opencsw/unstable)
  CSWlibgcc-s1-4.6.2,REV=2011.12.27 (opencsw/unstable)
  CSWlibgdbm3-1.8.3,REV=2011.02.01 (opencsw/unstable)
  CSWlibgnugetopt-1.3,REV=2011.07.06 (opencsw/unstable)
  CSWlibgnugetopt0-1.3,REV=2011.07.06 (opencsw/unstable)
  CSWlibgomp1-4.6.2,REV=2011.12.27 (opencsw/unstable)
  CSWlibhistory4-4.3,REV=2011.07.02 (opencsw/unstable)
  CSWlibhistory5-5.2,REV=2011.07.02 (opencsw/unstable)
  CSWlibhistory6-6.2,REV=2011.07.02 (opencsw/unstable)
  CSWlibiconv2-1.14,REV=2011.08.07 (opencsw/unstable)
  CSWlibncurses5-5.9,REV=2011.11.21 (opencsw/unstable)
  CSWlibncursesw5-5.9,REV=2011.11.21 (opencsw/unstable)
  CSWlibpanel5-5.9,REV=2011.11.21 (opencsw/unstable)
  CSWlibpanelw5-5.9,REV=2011.11.21 (opencsw/unstable)
  CSWlibreadline4-4.3,REV=2011.07.02 (opencsw/unstable)
  CSWlibreadline5-5.2,REV=2011.07.02 (opencsw/unstable)
  CSWlibreadline6-6.2,REV=2011.07.02 (opencsw/unstable)
  CSWlibruby18-1-1.8.7p334,REV=2011.03.24 (opencsw/unstable)
  CSWlibssp0-4.6.2,REV=2011.12.27 (opencsw/unstable)
  CSWlibz1-1.2.5,REV=2011.08.19 (opencsw/unstable)
  CSWncurses-5.9,REV=2011.11.21 (opencsw/unstable)
  CSWosslrt-0.9.8r,REV=2011.07.21 (opencsw/unstable)
  CSWpuppet-2.7.9,REV=2011.12.14 (opencsw/unstable)
  CSWreadline-6.2,REV=2011.07.02 (opencsw/unstable)
  CSWruby18-1.8.7p334,REV=2011.03.24 (opencsw/unstable)
  CSWrubyaugeas-0.4.1,REV=2011.07.21 (opencsw/unstable)
  CSWterminfo-5.9,REV=2011.11.21 (opencsw/unstable)
  CSWzlib-1.2.5,REV=2011.08.19 (opencsw/unstable)
Total size: 19.0 MB
40 packages to fetch. Do you want to continue? ([y],n,auto) ^C
pkgutil caught a SIGINT. Exiting.
```

You can try to change these commands:

```
/opt/csw/bin/pkg-get -U  
/opt/csw/bin/pkg-get -u -f CSWfactor CSWpuppet
```

to this:

```
/opt/csw/bin/pkg-get -U  
/opt/csw/bin/pkg-get -u -y -f CSWfactor CSWpuppet
```

#5 - 01/15/2012 09:50 AM - Ohad Levy

- *Difficulty set to medium*

#6 - 10/26/2012 03:51 AM - Oliver Weinmann

Can be closed. The pxegrub has to be copied manually to the tftboot directory as pointed out in the wiki.

#7 - 10/30/2012 10:23 AM - Ohad Levy

- *Status changed from New to Closed*