

# Re: install\_initd in RHAS 4 does not honor dependency information

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  - *Date:* Sat, 29 Apr 2006 18:25:03 +0100
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Siddegowda, Kishore (STSD) wrote:

Hi All,

I am having trouble getting the correct order enforced on two init.d scripts that i want to run during start up. I run 'install\_initd' on these scripts to generate the rc links in the repsective runlevel directories.

To give an example, consider the two scripts (test1 and 'atest2') below

-----  
\$ cat /etc/init.d/test1

#!/bin/sh

### BEGIN INIT INFO

# Provides: test1

# Required-Start: \$network \$syslog \$remote\_fs

# Required-Stop: \$network

# Default-Start: 2 3 5

# Default-Stop: 0 1 6

# Description: Test Service 1

### END INIT INFO

-----  
\$ cat /etc/init.d/atest2

#!/bin/sh

### BEGIN INIT INFO

# Provides: atest2

# Required-Start: test1 \$network

# Required-Stop:

# Default-Start: 2 3 5

# Default-Stop: 0 1 6

# Description: Test Service 2

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### END INIT INFO

I have intentionally named the second file 'atest2' so that it is lexicographically lesser than 'test1'. Note that 'atest2' specifies 'test1' as a dependent service in 'Required-Start'. Even then , the rc links created are as follows –

```
S99atest2
S99test1
```

It should have actually been –

```
S99test1
S99atest2
```

Is redhat taking ascii ordering into consideration while creating the rc links ?? .. I've verified that the same wrong order (atest2 , then atest1) is used while booting (by checking boot.log) It should have been (test1, atest2) according to the LSB specification.

Any ideas if this is a bug in RHAS ?

not as far as I know.

Have you considered doing things the Red Hat Way (tm)?

RHEL (and many iterations of Red Hat before it) use chkconfig to manage symbolic links to init scripts.

put a series of commented lines at the top of your init script as follows:

```
#!/bin/sh
#
# chkconfig: <default_on> <start_number> <stop_number>
# description: what your script actually does
#
# further comments of your choice
```

e.g. (taken from /etc/init.d/sshd (technically /etc/rc.d/init.d/sshd)

```
#!/bin/bash
#
# Init file for OpenSSH server daemon
#
# chkconfig: 2345 55 25
# description: OpenSSH server daemon
#
```

i.e sshd is \*on\* in runlevels 2345 by default and its symlinks will be S55sshd and K25sshd where required.

then use chkconfig --add your\_script\_name which will create all the necessary symbolic links.

Regards

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Stuart

```
ps - just for information (on a RHEL4ES box):  
[root@hostname ~]# file /usr/lib/lsb/install_initd  
/usr/lib/lsb/install_initd: symbolic link to `../../sbin/chkconfig'
```

so it expects the information given above

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Stuart Sears RHCA RHCX

To err is human, to forgive is Not Company Policy.

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