



Kernel relink fails after all SCSI tapes are removed from the link kit.

Keywords

openserver comet osr5 504 504c internet faststart 5.0.4 open server scsi mkdev tape kernel relink link unix dat cartridge drive add removed removal after deconfigured fails failure syntax error sizeof returns 0 will not compile properly release supplement ERGREF 500466 ENGREF SCO-236-1045 SCO-246-44

Release

SCO OpenServer Enterprise System Release 5.0.4
SCO OpenServer Host System Release 5.0.4
SCO OpenServer Desktop System Release 5.0.4
SCO OpenServer Internet FastStart Release 5.0.4

Problem

All SCSI tapes were removed from the system using 'mkdev tape'. Now, when the `/etc/conf/cf.d/link_unix` command is run to relink the kernel, it fails with error messages similar to the following:

```
The UNIX Operating System will now be rebuilt.  
This will take a few minutes. Please wait.
```

```
Root for this system build is /
```

```
"/var/opt/K/SCO/link/1.1.0Eb/etc/conf/pack.d/Stp/space.h", line 63:  
Syntax error  
"/var/opt/K/SCO/link/1.1.0Eb/etc/conf/pack.d/Stp/space.h", line 65:  
warning: sizeof returns 0  
"/var/opt/K/SCO/link/1.1.0Eb/etc/conf/pack.d/Stp/space.h", line 70:  
Syntax error
```

```
ERROR: '/var/opt/K/SCO/link/1.1.0Eb/etc/conf/pack.d/Stp/space.c'  
will not compile properly
```

```
i386ld stubs.o fatal: Can't open file  
/var/opt/K/SCO/link/1.1.0Eb/etc/conf/pack.d/Stp/space.o for input
```

```
ERROR: Can not link-edit unix
```

```
idbuild: idmkunix had errors.
```

System build failed.

Solution

This problem was fixed in Release Supplement 504C for SCO OpenServer 5.0.4 (rs504c).

However, if you have rs504c installed on the system and the kernel still fails to relink, follow the instruction below to correct the problem.

In order to correct this problem, run 'mkdev tape' and add a SCSI tape drive. In order to save time, do not choose to relink the kernel. Note that you may be unable to add a second device at the original device parameters. If this is the case, then use a different scsi id, bus or lun to add the drive.

Edit the file /etc/conf/sdevice.d/Stp and delete the second line.

Then, run 'mkdev tape' again and remove the SCSI tape drive. Relink the kernel.

See Also

[Technical Article 105811](#), "What is the Release Supplement 504C for SCO OpenServer Release 5.0.4 (rs504c) and how can I obtain it?"

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