
AIK: "Failed during updating system parameters"; "'net.bridge.bridge-nf-call-xxxtables' is an unknown key"

- **Article Type:** General
 - **Product:** Aleph
 - **Product Version:** 22
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Problem Symptoms:

The following error occurs in AIK step 2.3 (Change system parameters as root user):

"Error: Failed during updating system parameters"

preceded by three "'net.bridge.bridge-nf-call-xxxtables' is an unknown key" messages in the `./AIK22/log/aleph_installation_kit.log`.

Cause:

Uncertain.

Resolution:

1. Exit the `ikit_menu`.
2. If "`[root@xxxxx AIK22]#`" is not displayed, do "`sudo su - root`".
3. Do `./ikit_menu` and try step 2.3 again.

Additional Information

This problem can sometimes occur even when (correctly) logged in as root. In at least one instance, simply exiting the `ikit_menu` and restarting it again corrected the problem.

In that case the `./AIK22/log/aleph_installation_kit.log` showed the following:

```
Thu Mar 27 09:59:19 CDT 2014 Step ikit_2_3
Change system parameters as root user
```

```
Updating parameter kernel.sem
Updating parameter net.ipv4.ip_local_port_range
Updating parameter net.core.rmem_default
Updating parameter net.core.rmem_max
Updating parameter net.core.wmem_default
Updating parameter net.core.wmem_max
```

```
VarName Exl CurrentSys problem
fs.file-max[0] 65536 387370
kernel.shmall[0] 2097152 4294967296
kernel.shmmax[0] 2147483648 68719476736
kernel.shmmni[0] 4096 4096
```

```
kernel.sem[0] 250 250
kernel.sem[1] 32000 32000
kernel.sem[2] 100 32 XXXXX
kernel.sem[3] 128 128
net.ipv4.ip_local_port_range[0] 9000 32768
net.ipv4.ip_local_port_range[1] 65500 61000 XXXXX
net.core.rmem_default[0] 262144 124928 XXXXX
net.core.rmem_max[0] 4194304 124928 XXXXX
net.core.wmem_default[0] 262144 124928 XXXXX
net.core.wmem_max[0] 1048576 124928 XXXXX
```

```
error: "net.bridge.bridge-nf-call-ip6tables" is an unknown key <--
error: "net.bridge.bridge-nf-call-iptables" is an unknown key <--
error: "net.bridge.bridge-nf-call-arptables" is an unknown key <--
net.ipv4.ip_forward = 0
net.ipv4.conf.default.rp_filter = 1
net.ipv4.conf.default.accept_source_route = 0
kernel.sysrq = 0
kernel.core_uses_pid = 1
net.ipv4.tcp_syncookies = 1
kernel.msgmnb = 65536
kernel.msgmax = 65536
kernel.shmmax = 68719476736
kernel.shmall = 4294967296
kernel.sem = 250 32000 100 128
net.ipv4.ip_local_port_range = 9000 65500
net.core.rmem_default = 262144
net.core.rmem_max = 4194304
net.core.wmem_default = 262144
net.core.wmem_max = 1048576
Parameter update failed <-----
Error: Failed during updating system parameters <-----
```

```
Thu Mar 27 09:59:19 CDT 2014 Step ikit_2_3 [ Failed ] <-----
Thu Mar 27 13:50:28 CDT 2014 Step ikit_2_3
Change system parameters as root user
```

```
VarName Exl CurrentSys problem
fs.file-max[0] 65536 387370
kernel.shmall[0] 2097152 4294967296
kernel.shmmax[0] 2147483648 68719476736
kernel.shmmni[0] 4096 4096
kernel.sem[0] 250 250
kernel.sem[1] 32000 32000
kernel.sem[2] 100 100
kernel.sem[3] 128 128
net.ipv4.ip_local_port_range[0] 9000 9000
net.ipv4.ip_local_port_range[1] 65500 65500
net.core.rmem_default[0] 262144 262144
net.core.rmem_max[0] 4194304 4194304
```

net.core.wmem_default[0] 262144 262144
net.core.wmem_max[0] 1048576 1048576

System values are up2date <-----

Successfully updated system parameters <-----

Thu Mar 27 13:50:28 CDT 2014 Step ikit_2_3 [Done] <-----

- **Article last edited:** 3/31/2014