

# Security

- [Active Out of Band Patches](#)

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## Dirty Frag

### CMD:

```
sh -c "printf 'install esp4 /bin/false\ninstall esp6 /bin/false\ninstall rxrpc /bin/false\n' > /etc/modprobe.d/dirtyfrag.conf; rmmmod esp4 esp6 rxrpc 2>/dev/null; echo 3 > /proc/sys/vm/drop_caches; true"
```

### Modified files:

+ /etc/modprobe.d/dirtyfrag.conf

```
esp4 /bin/false
install esp6 /bin/false
install rxrpc /bin/false
```

### Affected VMs:

- Firewall
- Genesis
- Application
- Logging
- Database
- Xenappliance

### Affected Hosts:

- None

### Permanent Fix

For VMs that boot from netboot, just reboot the VM

For persistent VMs, remove /etc/modprobe.d/dirtyfrag.conf and reboot