

Table Of Contents

|                         |   |
|-------------------------|---|
| Table Of Contents ..... | 1 |
|-------------------------|---|

[Home](#) > [Faq](#) > [Linux](#)

## Linux Kernel panic VFS Unable to mount root fs and solution

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**Q.** I am using Linux on HP server and I am getting error that read as follows:  
**Linux Kernel panic: VFS: Unable to mount root fs**

How do I solve this problem?

**A.** Most modern distributions including Debian uses loadable kernel module for ext3 file system. So to read ext3/ext2 file system kernel must load ext3 kernel module (ext3.ko).

This module is included in an initrd image. If an initrd image is missing or that image does not include suitable kernel modules to access the ext3 filesystem on the partition, an error message (Linux Kernel panic: VFS: Unable to mount root fs) will be displayed to you.

To solve this problem you need to use mkinitrd script that constructs a directory structure that can serve as an initrd root file system.

The instructions for creating initrd images are [here on our site](#) [2].



[1]

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