



## ***Rocky Enterprise Linux 9.2 Manual Pages on command 'initramfs.conf.5'***

### **C:\>man initramfs.conf.5**

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#### NAME

initramfs.conf - configuration file for mkinitramfs

#### DESCRIPTION

The behaviour of mkinitramfs can be modified by its configuration file.

Each line in the file can be a configuration variable, a blank line, or a comment.

The value of an variable is assigned by an statement of the form: name=[value]

Configuration options can be broken out into configuration snippets and placed in individual files in the /etc/initramfs-tools/conf.d directory. Files in this di?

rectory are always read after the main configuration file, so you can override the settings in the main config file without editing it directly.

#### GENERAL VARIABLES

##### MODULES

Specifies the modules for the initramfs image.

Modules listed in /etc/initramfs-tools/modules and /usr/share/initramfs-tools/modules.d/\* are always included in the initramfs, and are loaded early in the boot process.

list doesn't load any additional modules at boot time, other than those listed in the above files.

most adds most file system, all ata, sata, scsi and usb drivers.

dep tries to guess which modules are necessary for the running box and only adds those modules.

netboot adds the base and network modules, but skips block devices.

The default setting is most.

## BUSYBOX

Include `busybox` utilities for the boot scripts. If set to 'n' `mkinitramfs` will build an `initramfs` without `busybox`. Beware that many boot scripts need `busybox` utilities.

## COMPCCACHE\_SIZE

Amount of RAM to use for RAM-based compressed swap space. The default is not to use `compccache`.

An empty value - `compccache` isn't used, or added to the `initramfs` at all.

An integer and K (e.g. 65536 K) - use a number of kilobytes.

An integer and M (e.g. 256 M) - use a number of megabytes.

An integer and G (e.g. 1 G) - use a number of gigabytes.

An integer and % (e.g. 50 %) - use a percentage of the amount of RAM.

You can optionally install the `compccache` package to configure this setting via `debconf` and have `userspace` scripts to load and unload `compccache`.

## COMPRESS

Specifies the compression method used for the `initramfs` image. `mkinitramfs` will default to `gzip` if the kernel lacks support (`CONFIG_RD`) or the corresponding `userspace` utility is not present.

**UMASK** Set the `umask` value of the generated `initramfs` file. Useful to not disclose eventual keys.

**BOOT** Allows one to use an `nfs` drive as the root of the drive. The default is to boot from local media (hard drive, USB stick). Set to `nfs` for an NFS root share.

## RUNSIZE

The size of the `/run tmpfs` mount point in bytes (suffixes are supported) or as percentage of your physical RAM. This parameter is used as the value of the `size` mount option to `tmpfs`. See <https://www.kernel.org/doc/Documentation/filesystems/tmpfs.txt> for details. Can be overridden by an optional `initramfs.runsize= bootarg`. The default is 10%.

## VARIABLES FOR LOCAL BOOT

### RESUME

Specifies the device used for suspend-to-disk (hibernation), which the `initramfs` code should attempt to resume from. If this is not defined or is set to `auto`, `mkinitramfs` will automatically select the largest available swap partition. Set it to `none` to disable resume from disk.

## VARIABLES FOR NFS BOOT

### DEVICE

Specifies the default network interface to use, like `eth0`. The `ip` or `BOOTIF` bootargs may override this.

`VLAN` Specifies the VLAN tag id to setup, e.g. `VLAN=eth0.1:eth0`. The `vlan` bootarg may override this.

`ROOT` Allows optional root bootarg hardcoding, when no root bootarg can be passed. A root bootarg overrides that special setting.

### NFSROOT

Defaults to `auto` in order to pick up value from DHCP server. Otherwise you need to specify `HOST:MOUNT`.

## FILES

`/etc/initramfs-tools/initramfs.conf`

## AUTHOR

The `initramfs-tools` are written by Maximilian Attems <[maks@debian.org](mailto:maks@debian.org)>, Jeff Bailey <[jbailey@raspberryginger.com](mailto:jbailey@raspberryginger.com)> and numerous others. Loosely based on `mkinitrd.conf` by Herbert Xu.

## SEE ALSO

`initramfs-tools(7)`, `mkinitramfs(8)`, `update-initramfs(8)`.

`initramfs-tools`

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