

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 directory 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.

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.

FSTYPE

Specifies the filesystem type(s) to support, separated by commas. If this is not defined or is set to *auto*, **mkinitramfs** will automatically detect the current root and */usr* filesystem types.

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>, Jeff Bailey <jbailey@raspberrypi.com> and numerous others. Loosely based on mkinitrd.conf by Herbert Xu.

SEE ALSO

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