

**NAME**

systemd-debug-generator – Generator for enabling a runtime debug shell and masking specific units at boot

**SYNOPSIS**

/lib/systemd/system-generators/systemd-debug-generator

**DESCRIPTION**

systemd-debug-generator is a generator that reads the kernel command line and understands three options:

If the **systemd.mask=** or **rd.systemd.mask=** option is specified and followed by a unit name, this unit is masked for the runtime, similar to the effect of **systemctl(1)**'s **mask** command. This is useful to boot with certain units removed from the initial boot transaction for debugging system startup. May be specified more than once. **rd.systemd.mask=** is honored only by initial RAM disk (initrd) while **systemd.mask=** is honored only in the main system.

If the **systemd.wants=** or **rd.systemd.wants=** option is specified and followed by a unit name, a start job for this unit is added to the initial transaction. This is useful to start one or more additional units at boot. May be specified more than once. **rd.systemd.wants=** is honored only by initial RAM disk (initrd) while **systemd.wants=** is honored only in the main system.

If the **systemd.debug\_shell** or **rd.systemd.debug\_shell** option is specified, the debug shell service "debug-shell.service" is pulled into the boot transaction. It will spawn a debug shell on tty9 during early system startup. Note that the shell may also be turned on persistently by enabling it with **systemctl(1)**'s **enable** command. **rd.systemd.debug\_shell=** is honored only by initial RAM disk (initrd) while **systemd.debug\_shell** is honored only in the main system.

systemd-debug-generator implements **systemd.generator(7)**.

**SEE ALSO**

**systemd(1)**, **systemctl(1)**, **kernel-command-line(7)**