

/opt/linux\_work/kernel\_modules/command-line-args/0001-Add-command-line-argument-to-module.patch

From f594d86a68eebc8ff838d47889c18851929ae9f4 Mon Sep 17 00:00:00 2001  
From: Gabriel <gshahrouzi@gmail.com>  
Date: Sun, 23 Feb 2025 13:33:03 -0500  
Subject: [PATCH] Add command line argument to module

Complete the Command line args task.

Signed-off-by: Gabriel <gshahrouzi@gmail.com>

```
---
command-line-args/dmesg_output.txt | 10 ++++++++
command-line-args/hello.c          | 27 ++++++
2 files changed, 37 insertions(+)
create mode 100644 command-line-args/dmesg_output.txt
create mode 100644 command-line-args/hello.c
```

```
diff --git a/command-line-args/dmesg_output.txt b/command-line-args/dmesg_output.txt
new file mode 100644
index 0000000..2483369
--- /dev/null
+++ b/command-line-args/dmesg_output.txt
@@ -0,0 +1,10 @@
+[36432.274882] hv_netvsc bf426417-b435-4595-84c1-e5ae65924e04 eth0: nvsp_rndis_pkt_complet
e error status: 2
+[36596.460515] hello: loading out-of-tree module taints kernel.
+[36596.460519] hello: module verification failed: signature and/or required key missing -
tainting kernel
+[36596.461741] 0
+[36697.598615] Bye
+[36699.042095] 0
+[36755.802902] Bye
+[36763.789123] 42
+[36794.718283] Bye
+[36914.350560] 0
diff --git a/command-line-args/hello.c b/command-line-args/hello.c
new file mode 100644
index 0000000..c24ad36
--- /dev/null
+++ b/command-line-args/hello.c
@@ -0,0 +1,27 @@
+// SPDX-License-Identifier: GPL-2.0
+#include <linux/module.h>
+#include <linux/kernel.h>
+#include <linux/init.h>
+#include <linux/moduleparam.h>
+
+MODULE_LICENSE("GPL");
+MODULE_AUTHOR("Gabriel Shahrouzi");
+MODULE_DESCRIPTION("Says hello on load and bye when removed");
+
+int random_int;
+module_param(random_int, int, 0644);
+MODULE_PARM_DESC(random_int, "Enter random integer");
+
+static int __init hello_init(void)
+{
+    pr_info("%d\n", random_int);
+    return 0;
+}
+
+static void __exit hello_exit(void)
+{
+    pr_info("Bye\n");
+}
+
+module_init(hello_init);
+module_exit(hello_exit);
+
+2.45.2
```

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