

## **Linux Vulnerabilities Patches:**

### **Title:**

Test and integrate Linux vulnerability custom patches to Embedded Linux Platforms.

### **Description:**

Our customer, a leader in the consumer and professional imaging OEM with annual revenue of about 20 billion USD, maintains its own embedded Linux OS (multiple versions) for its numerous hardware platforms.

This ongoing activity needed to identify vulnerabilities to their Linux OS and implement customized fix and apply them as patches. Multiple of such patches are combined and delivered as a release.

### **Contribution:**

Vulnerabilities related to memory leaks, locking issues (lock time out, lock not found), synchronization issues etc. were identified and custom patches for the same has been designed and applied.

It also involves testing these patches for both ARM and Intel platforms.

Per developers in an average 20-25 patches per month was delivered.

### **Languages & Tools:**

- Linux Build System, ARM, Intel platforms.
- ARM Cross Compilers
- C programming.