

# Mobile Secure Computing device

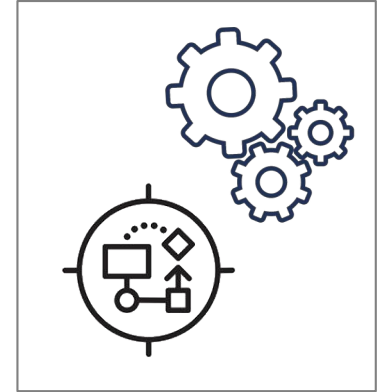
## Kernel source code

```
84 /*
85  * notifier_call_chain - Informs the registered notifiers about an event.
86  * @nl: Pointer to head of the blocking notifier chain
87  * @val: Value passed unmodified to notifier function
88  * @nr_calls: Number of notifier functions to be called. Don't care
89  * value of this parameter is -1.
90  * @nr_calls: Records the number of notifications sent. Don't care
91  * value of this field is NULL.
92  * @returns: notifier_call_chain returns the value returned by the
93  * last notifier function called.
94  */
95 static int notifier_call_chain(struct notifier_block **nl,
96                             unsigned long val, void *v,
97                             int nr_to_call, int *nr_calls)
98 {
99     int ret = NOTIFY_DONE;
100     struct notifier_block *nb, *next_nb;
101     nb = rcu_dereference_raw(*nl);
102     while (nb && nr_to_call) {
103         next_nb = rcu_dereference_raw(nb->next);
104         if (nr_calls)
105             (*nr_calls)++;
106         ret = nb->notifier_call(nb, val, v);
107         if (ret & NOTIFY_STOP_MASK)
108             break;
109         nb = next_nb;
110         nr_to_call--;
111     }
112     return ret;
113 }
```

## Applications source code

```
55 static QQuickAttachedObject *findAttachedParent(const QMetaObject *type, QObject *object)
56 {
57     QQuickItem *item = qobject_cast<QQuickItem*>(object);
58     if (item) {
59         // Lookup parent items and popups
60         QQuickItem *parent = item->parentItem();
61         while (parent) {
62             QQuickAttachedObject *attached = attachedObject(type, parent);
63             if (attached)
64                 return attached;
65
66             QQuickPopup *popup = qobject_cast<QQuickPopup*>(parent->parent());
67             if (popup)
68                 return attachedObject(type, popup);
69
70             parent = parent->parentItem();
71         }
72         // fallback to item's window
73         QQuickAttachedObject *attached = attachedObject(type, item->window());
74         if (attached)
75             return attached;
76     } else {
77         // Lookup popup's window
78         QQuickPopup *popup = qobject_cast<QQuickPopup*>(object);
79         if (popup)
80             return attachedObject(type, popup->popupItem()->window());
81     }
82 }
```

## Build environment



## PriveOS platform

### Mobile device

- Mobile Secure Computing device
- Computational freedom
- *Not a mobile phone*

### Features

- 100 % Linux computer
- 100 % source visible
- 5.5" Touch Screen
- iMX6 ARM CPU
- 1 GB RAM, 8 GB eMMC
- Audio
- Micro USB (charging only)
- System connector
- 100 Mbit/s hardware Ethernet

### Software

- Latest Linux 5.4 kernel
- PriveOS operating system
- This is not Android device
- No 'known unknowns' included



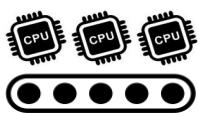
### Application areas

- Critical Infrastructure IoT
- Red Team exfil tooling
- Authentication platform
- Penetration Testing tool
- Critical Comm's
- COMSEC & INFOSEC
- MESH network device
- Off The Grid applications

### MPP protocol

- Multi Party Consensus protocol
- Authentication, integrity & privacy
- Multiparty keying
- Drop-in ciphers
- Zero META DATA
- Forensically Secure

## Software and hardware manufactured in Finland



SUPPLY CHAIN



SOURCE CODE



SCHEMATICS



MECHANICS



MANUFACTURING



yocto  
PROJECT



GitHub