

ORACLE®

Libresource

- 1 ➤ Library to get system resource information.
- 2 ➤ Ease of use.
- 3 ➤ Stability.
- 4 ➤ Virtualization.

Libresource: Current Status

1 Basic Infrastructure.

```
int res_read(int res_id, void *out, void *hint, int pid, int flags);
```

```
int res_read_blk(res_blk_t *resblk, int pid, int flags);
```

2 Memory and networking is done.

<https://github.com/lxc/libresource>

Libresource: Future

- 1 ➤ More resources (CPU, Device, NUMA, VMstat etc).
- 2 ➤ Container aware information.
- 3 ➤ Ability to write values of resources.
- 4 ➤ Ways to get system resource information with more efficiency.
- 5 ➤ Packaging.
- 6 ➤ Interface in other languages.

Libresource: Example

```
size_t stemp = 0;  
res_read(RES_MEM_TOTAL, &stemp, NULL, 0, 0);  
printf("MEMTOTAL is: %zu\n", stemp);
```