

libguestfs webinar

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<http://libguestfs.org>

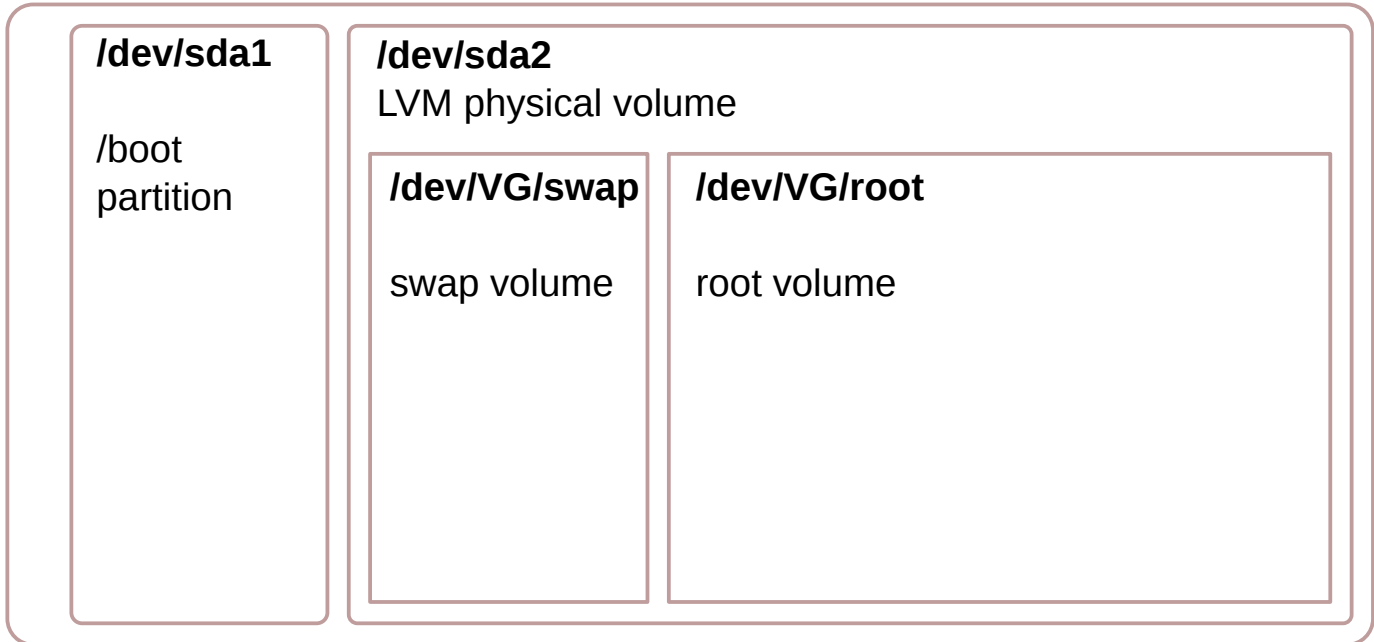
IRC: #libguestfs (FreeNode)

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host file: **new-disk.img**

10 G raw format, sparse (thin-provisioned)



```
#!/usr/bin/python
```

```
import sys  
import re  
import guestfs
```

```
assert (len (sys.argv) == 2)  
disk = sys.argv[1]
```

add the disks



```
g = guestfs.GuestFS ()  
g.add_drive_opts (disk, readonly=1)  
g.launch ()
```

inspection:
look for OSes



```
roots = g.inspect_os ()  
if len (roots) == 0:  
    raise (Error ("inspect_vm: no operating systems found"))
```

```
for root in roots:
```

```
    mps = g.inspect_get_mountpoints (root)
```

```
    def compare (a, b):
```

```
        if len(a[0]) > len(b[0]):
```

```
            return 1
```

```
        elif len(a[0]) == len(b[0]):
```

```
            return 0
```

```
        else:
```

```
            return -1
```

```
    mps.sort (compare)
```

```
    for mp_dev in mps:
```


```
        try:
```

```
            g.mount_ro (mp_dev[1], mp_dev[0])
```

```
        except RuntimeError as msg:
```

```
            print "%s (ignored)" % msg
```

mount filesystems
as they would be
when the guest is
running




```
apps = g.inspect_list_applications (root)
```

```
for app in apps:
```

```
    if re.search ('firefox', app['app_name'], re.I):
```

```
        print ("%s' version: %s" % (app['app_name'], app['app_version']))
```

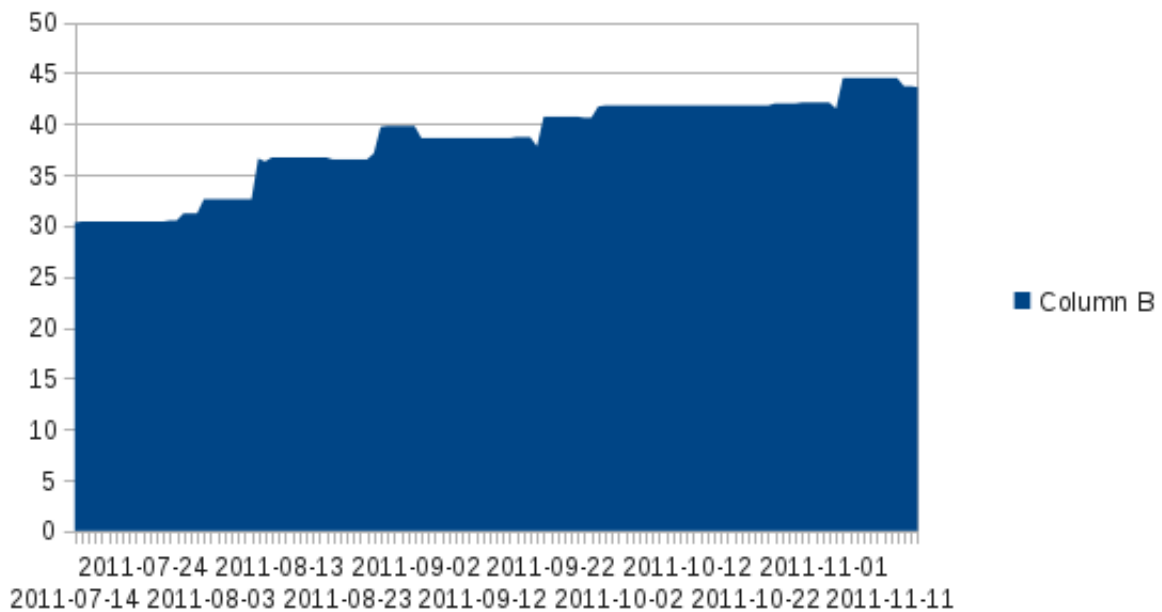
list installed
apps and look
for firefox &
version



```
g.umount_all ()
```

RHEL 6 build and test VM

% disk usage over 4 months



Wordpress blog VM

% disk usage over 1 year

