Integrating Libvirt into Chef

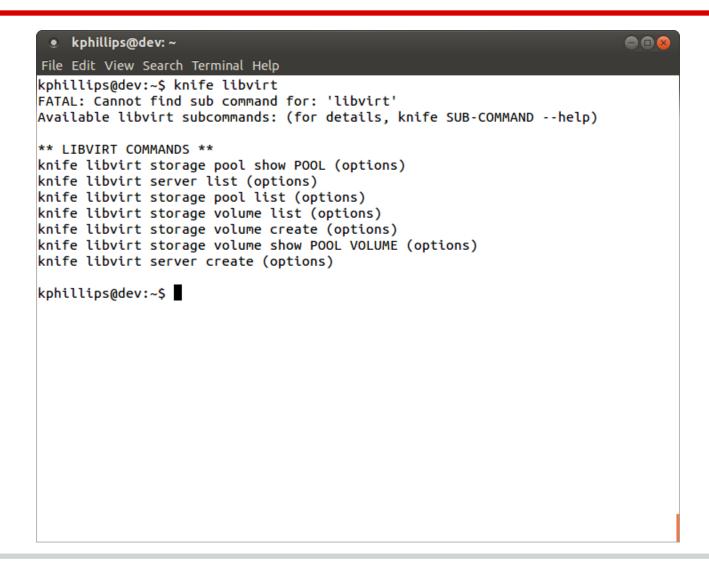Plugin for Knife for communicating with Virtual Machine Infrastructure

What would I use this for?

Querying hypervisor for connection, domain, and storage details

Creation of virtual machines

Integrating virtual machine infrastructure with configuration management tool
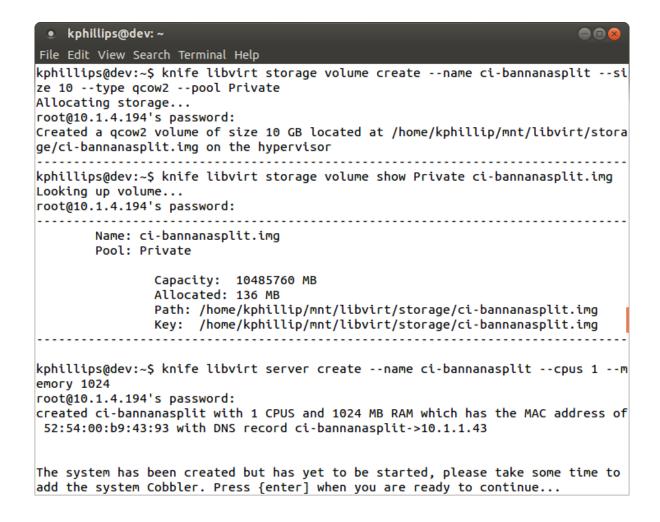
Usage


```
kphillips@dev: ~

File  Edit  View  Search  Terminal  Help
kphillips@dev:~$ knife libvirt
FATAL: Cannot find sub command for: 'libvirt'
Available libvirt subcommands: (for details, knife SUB-COMMAND --help)

** LIBVIRT COMMANDS **
knife libvirt storage pool show POOL (options)
knife libvirt server list (options)
knife libvirt storage pool list (options)
knife libvirt storage volume list (options)
knife libvirt storage volume create (options)
knife libvirt storage volume show POOL VOLUME (options)
knife libvirt server create (options)

kphillips@dev:~$
```

Workflow

-Check that name does not exist in NetMan

-Create storage

-Render domain XML template

-Request IP/DNS from NetMan

-Receive IP from NetMan

-Add system to cobbler

-Knife node to Chef

-Boot VM

So show me...

Cobbler

Provide Cobbler with the mac address for the new system and assign a profile

Cobbler controls its own seperate TFTP server that is chained to the primary

NetworkManager