

A case of orchestration computing

Example Case

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A case of orchestration computing



\$ whoami

Toshaan Bharvani

- From Antwerp, Belgium
- Currently self-employed, at VanTosh
- Has been involved with Enterprise Linux
- Like to keep everything secure
- Involved with hardware and software
- Twitter : toshywoshy / Identi.ca : toshywoshy

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A small
footprint

Services

The End

1 A small footprint

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A small footprint

Minimal install

- CentOS / RHEL
 - +/- 1GB Disk space
 - +/- 480MB RAM
- Gentoo
 - +/- 500MB Disk space
 - +/- 80MB RAM

Minimal Virtual Machine

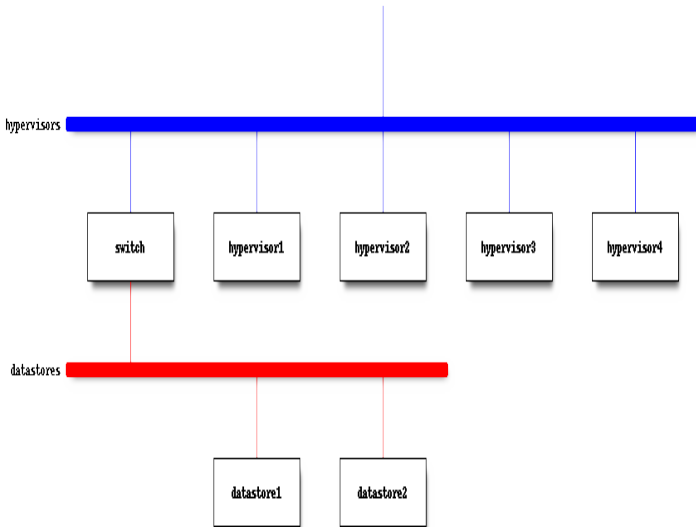
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Services

The End

- Common boot kernels
- Common Memory mapping
- Keep data out of your VM
- Split up your drives
- Use tmpfs correctly

Minimal Virtual Machine



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Services

The End

Templating a VM

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Services

The End

- CentOS : ansible playbook + minimal kickstart install
 - create virtual image files
 - start an automated install using a kickstart file
- Gentoo : ansible playbook for initial builder
 - create virtual image files
 - start an automated install using a install script/playbook

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Services

The End

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Services

Hypervisor Services

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Services

The End

- SELinux
- Bind
- OpenLDAP
- NFS Server
- NTP Server

VM Services

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Services

The End

- Apache
- nGinx
- MySQL / MariaDB
- PostgreSQL
- Samba

The End



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