

# FreeBSD on Xen

Doug Rabson

# FreeBSD on Xen Paravirtualized

- FreeBSD/i386 supports paravirtualized mode
- Driver support for virtual block and network interfaces, suspend, resume, migrate
- All the code is in FreeBSD-current
- Use the provided XEN kernel config

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## Hardware virtualization

- FreeBSD/i386 and FreeBSD/amd64 work fine
- FreeBSD/amd64 has support for paravirtualized drivers, suspend, resume, migrate
- All the code is in FreeBSD-current
- Use the provided XENHVM kernel config

# Booting over ZFS

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# Installing

```
# gpt create -f da0
```

```
# gpt boot -b /boot/pmbr -g /boot/gptzfsboot ds0
```

```
# gpt add -t freebsd-zfs da0
```

```
# ... do this to all the drives for the ZFS pool ...
```

```
# zpool create mypool da0p2 ...
```

```
# zfs create mypool/system/root
```

```
# zpool set bootfs=mypool/system/root mypool
```

# Future work

- RAIDZ and RAIDZ2 - I have patches which need testing
- Teach sysinstall about ZFS and zfsboot
- Add UFS support for a one size fits all bootstrap