

Free your kernel from the tyranny of your cloud provider!

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github.com/gregkh/presentation-xen

Big Thanks to:

Daniel Kiper
Acunu Ltd.

Problem:

Cloud provider
controls your kernel

Partial Solution:

pvgrub config files
custom images

Real Solution:

kexec

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kexec

kexec

Run Linux from Linux

kdump

tiny kernel to save crash data

kexec

Works on KVM not Xen

kexec and Xen

dom0 only

kexec and Xen

Xen dom0 \rightarrow Xen dom0

Xen dom0 \rightarrow Linux

Linux \rightarrow Xen dom0

Goal

$\text{Xen domU} \rightarrow \text{Xen domU}$

Goal

Linux is the bootloader

Boot Kernel

**Read only
System
Image
A**

**Read only
System
Image
B**

Stateful Data

Status

2.6.16 and Xen 2 works

Status

**Xen 3 and 4 with 3.x kernels
Under development**

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