

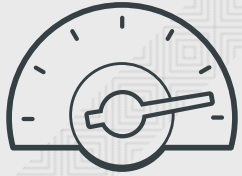
# FAST-VM, ANSIBLE+PACEMAKER

서울 2018/03/07

**ONDREJ FAMĚRA**

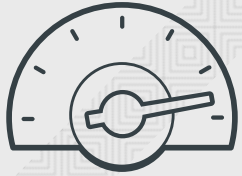
Senior Technical Support Engineer at Red Hat





# FAST-VM ("빨리-VM")

- **fast-vm** is a script(스크립트) for fast and scalable creation of VMs
  - **open-source (GPLv3)** and **public (on github)**
    - <https://github.com/OndrejHome/fast-vm>
  - **supported** on Fedora 24+/RHEL 7.3+/CentOS 7.3+/Gentoo
    - RPMs and Gentoo ebuild provided
  - **documented** (including video examples)
    - [https://www.famera.cz/blog/fast-vm/user\\_guide.html](https://www.famera.cz/blog/fast-vm/user_guide.html)
    - (video) Install - <https://asciinema.org/a/147355>
    - (video) Import - <https://asciinema.org/a/143564>
    - (video) Use - <https://asciinema.org/a/143565>
  - can be deployed on **single machine** or on **shared server** with multiple users - [https://www.famera.cz/blog/fast-vm/user\\_guide.html#fast-vm-server\\_documentation](https://www.famera.cz/blog/fast-vm/user_guide.html#fast-vm-server_documentation)



# FAST-VM ("빨리-VM")

- **fast-vm** system requirements:
  - free space on LVM for fast-vm data
  - working qemu and libvirt
  - VM images (can be downloaded from web or created manually)
- **fast-vm public image list** - [https://www.famera.cz/blog/fast-vm/image\\_list.html](https://www.famera.cz/blog/fast-vm/image_list.html) - provides images:
  - with **BIOS** and **UEFI** support for CentOS 6.3+
  - predictable VM hostnames and IPv4 addresses
  - clean **minimal installation** of OS
  - configured access to **serial console**, including on **boot GRUB menu**
- <https://github.com/OndrejHome/fast-vm-public-images>
  - scripts and kickstarts for **CentOS, Fedora, RHEL** image generation

# ANSIBLE FOR PACEMAKER CLUSTERS



TIRED OF CREATING CLUSTERS BY HAND?  
USE ANSIBLE INSTEAD!

## ONDREJHOME.HA-CLUSTER-PACEMAKER

- Ansible role for creating pacemaker cluster from minimal system
  - **following Red Hat cluster documentation,**
  - **containing** optional (enabled by default) **firewall configuration,**
  - **containing fencing configuration** (by default using fence\_xvm, but flexible to include other fencing methods if provided)

## ONDREJHOME.PCS-MODULES-2

- Ansible role with custom modules for **manipulating the cluster resources** in existing pacemaker clusters
- **idempotent** (can detect if resources needs change or not)



# DEMO



fast-vm installation,  
configuration and use



demonstration of pacemaker  
cluster creation and resource  
configuration

# THANK YOU!

Feedback welcomed! How to get in touch?

Email: **ondrej-aighe0je@famera.cz** or **ofamera@redhat.com**

Github: **<https://github.com/OndrejHome>**

Kakaotalk: **ondrejhome**