



**Live Demo**

**AUTOMATION for Everyone:**

**Red Hat ANSIBLE in a Hybrid Cloud**

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Solution Architect  
2018

- Végh Károly / Charlie
- hungarian
- UNIX/Linux admin
- s/Sun\ Microsystems/Red\ Hat/
  - Infrastructure SA
    - Ansible/Tower,
    - Red Hat HyperConverged Infrastructure
- [@kvegh](#)



# THE WORLD'S LEADING PROVIDER OF OPEN SOURCE, ENTERPRISE I.T. SOLUTIONS

MORE THAN  
**90%**  
of the  
FORTUNE  
**500**  
use  
**RED HAT**  
PRODUCTS &  
SOLUTIONS\*

**~12,600**  
EMPLOYEES

S&P  
**500**  
COMPANY

THE FIRST  
**\$2**  
BILLION

**95**      **35**  
OFFICES      COUNTRIES

NYSE  
**RHT**

100% OPEN  
SOURCE  
COMPANY  
IN THE WORLD

Let's address the elephant in the room



Let's address the elephant in the room

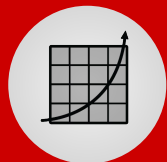




# IBM and Red Hat to Combine to Create Leading Hybrid / Multi-cloud Provider

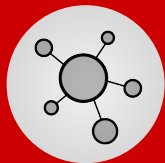
# ADVANCING RED HAT'S HYBRID CLOUD LEADERSHIP

Combination with IBM delivers significant benefits to Red Hat and will enable the company to:



## Accelerate the expansion

of Red Hat's leading open source portfolio



## Maintain commitment to open source

and accelerate the impact of open source as the foundation of digital transformation strategies



## Operate as a independent, distinct unit

and preserve our unique culture

...that's a big IF...



...but I kinda see it.

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IBM wants:

- CONTAINER Platforms
- DATA PORTABILITY
- MULTI / HYBRID CLOUD Management
- AUTOMATION

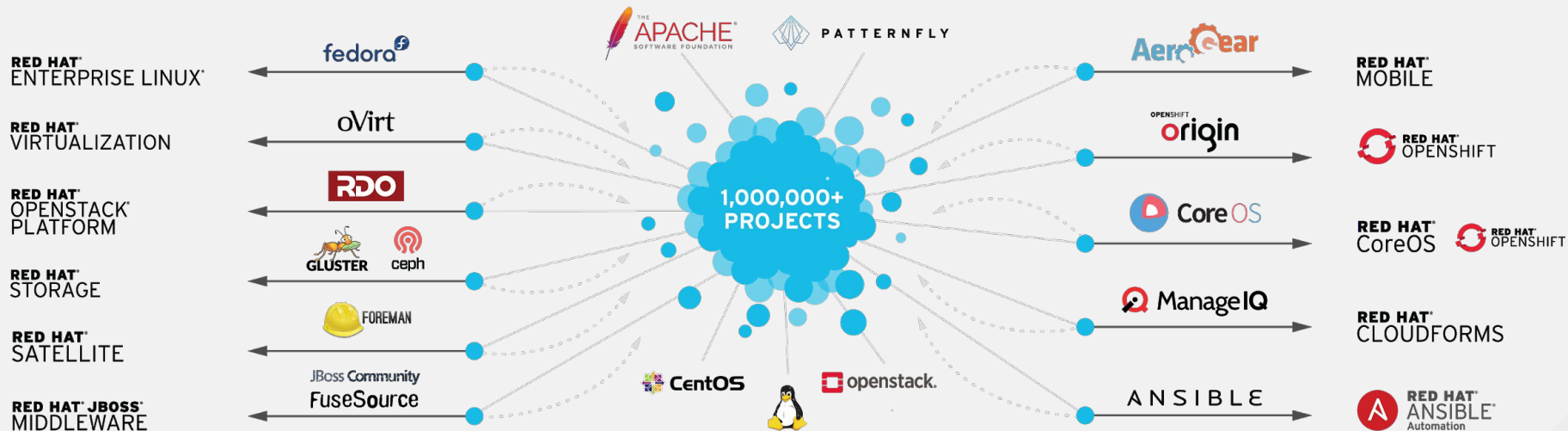
...but I kinda see it.

IBM wants:

- CONTAINER Platforms
- MULTI / HYBRID CLOUD Management
- DATA PORTABILITY
- AUTOMATION

In an **OPENSOURCE** way

# FROM COMMUNITIES TO ENTERPRISE

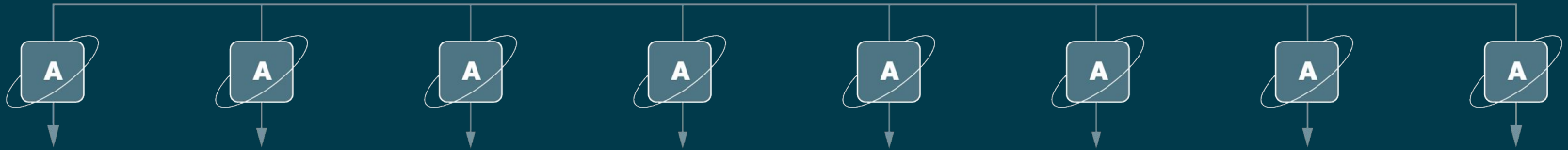


# UseCase IV: HYBRID, MULTICLOUD Platforms



RED HAT®  
SATELLITE

RED HAT®  
INSIGHTS



RED HAT®  
FUSE



RED HAT® 3SCALE™  
API MANAGEMENT

RED HAT®  
AMQ

RED HAT® JBOSS®  
MIDDLEWARE

RED HAT® JBOSS®  
ENTERPRISE  
APPLICATION PLATFORM

RED HAT®  
DATA GRID

RED HAT®  
PROCESS AUTOMATION  
MANAGER

RED HAT®  
DECISION  
MANAGER



RED HAT®  
ENTERPRISE LINUX®



RED HAT®  
VIRTUALIZATION



RED HAT®  
OPENSTACK®  
PLATFORM



Google



aws



Microsoft Azure



OTHER  
PUBLIC CLOUDS

RED HAT®  
ENTERPRISE LINUX®


RED HAT®  
GLUSTER® STORAGE

RED HAT®  
CEPH® STORAGE

Enough talk. Let's demo.

# The demo environment

# Baremetal / Laptop / Barelaptop



**ANSIBLE TOWER**  
by Red Hat®  
Ansible/Tower VM



**ZABBIX**  
Zabbix/Monitoring VM



**redhat.**  
Satellite  
Satellite / SW Lifecycle

RHEL IMG

W2k16 IMG

Internal Network



F5 LoadBalancer VM

RHEL VM1

RHEL VM2

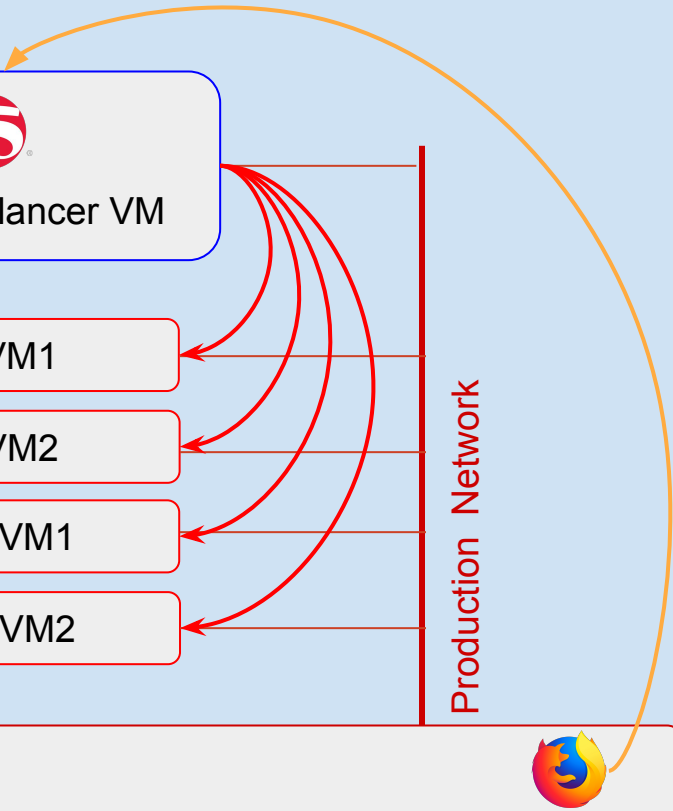
W2k16 VM1

W2k16 VM2

Production Network

BareMetal Laptop OS/KVM  **RED HAT ENTERPRISE LINUX 7** 

BareMetal Laptop kernel





```
systemctl isolate demo.target
```

```
systemctl isolate key_takeaways.target
```

# Key Takeaways

What I want you to remember tomorrow too

- Red Hat is a 100% OpenSource company.
- Being an independent business unit within IBM could be a Good Thing (™)
- Ansible Automates Everything: Lifecycle Management, Monitoring, Proactive Insights, **Network tasks and Windows environments, Public Cloud management**
- Ansible Tower provides the enterprise framework around Ansible (Role Based Access Control, Workflows, REST API, Tool integration...)
- Tower is integrated with Satellite is integrated with Insights is integrated with Tower
- BUT MOST IMPORTANTLY: **ANSIBLE ENABLES COLLABORATION**
- Feel free to request an Ansible demo [@kvegh](#)



**AUTOMATION.**

**INTEGRATION.**

**RED HAT.**

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