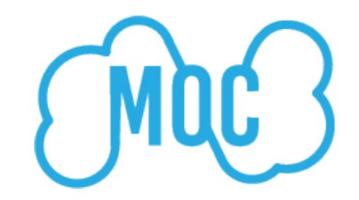


### Connect

# Jak Dell i Red Hat pomagają bezpiecznie latać?

Bartosz Charliński, Enterprise Architect, Dell Technologies Artur Pająk, Solution Architect, Red Hat





# Massachusetts Open Cloud (MOC)

We needed a cost-effective, reliable, and scalable storage solution to accommodate the large amounts of data our researchers work with.
We found it with Red Hat Ceph Storage."

> PIYANAI SAOWARATTITADA DIRECTOR OF ENGINEERING, MASSACHUSETTS OPEN CLOUD



## Reference architecture - OpenStack

### Dell EMC Ready Architecture for Red Hat OpenStack Platform

Architecture Guide Version 16.1







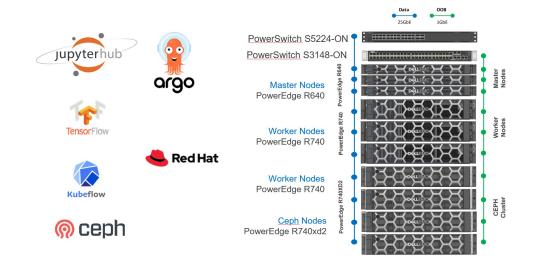
# Reference architecture - storage



Reference architecture

#### Red Hat Ceph Storage on Dell EMC servers Object storage performance and sizing guide

#### Reliable data lakes, data pipelines, data warehouses, machine learning and end-to-end analytical data platforms



# Red Hat intel

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Evaluating RGW deployment and sizing strategies	1
Evaluating RGW thread pool sizing	1
Maximum fixed-size cluster performance	1
Large-object workload	
Small abjectworkland	,

# **ATIVA Investimentos**



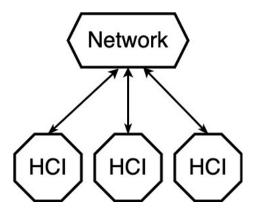
"Before, delivery of larger or more complex solutions could take months. Now, the same size projects can be delivered in days or even a few hours, and we have 100% availability with zero service downtime."

#### **Gustavo Franco Farias**

DevOps and Infrastructure Manager, Ativa Investimentos



# Reference architecture – OpenShift/VxRAIL





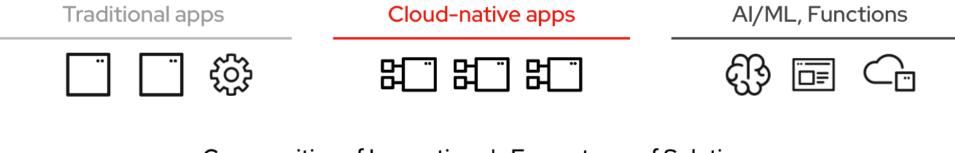
### Red Hat OpenShift Container Platform 4.6 on Dell Infrastructure

Enabled by Intel-powered Dell PowerEdge Servers; PowerSwitch Networking; and PowerMax, PowerScale, PowerStore, and Unity XT Storage



January 2022

# Openshift



Communities of Innovation | Ecosystems of Solutions



#### Secure & Automated Infrastructure and Operations

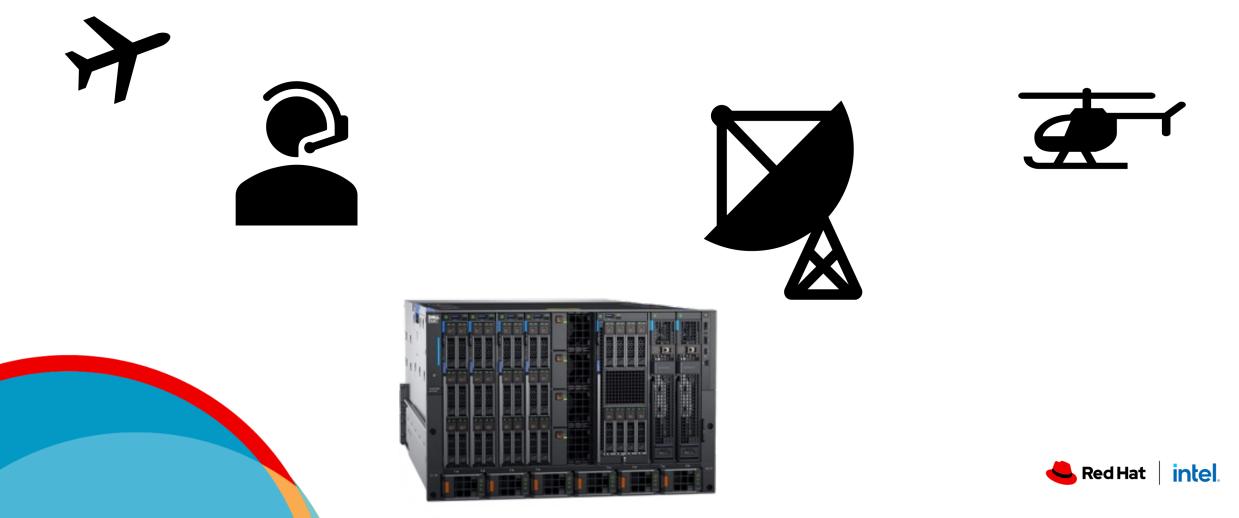




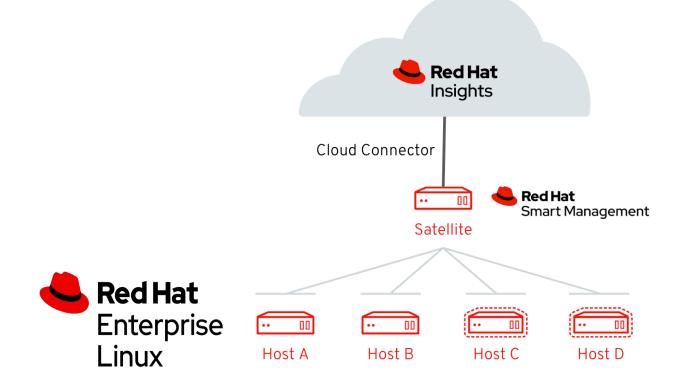








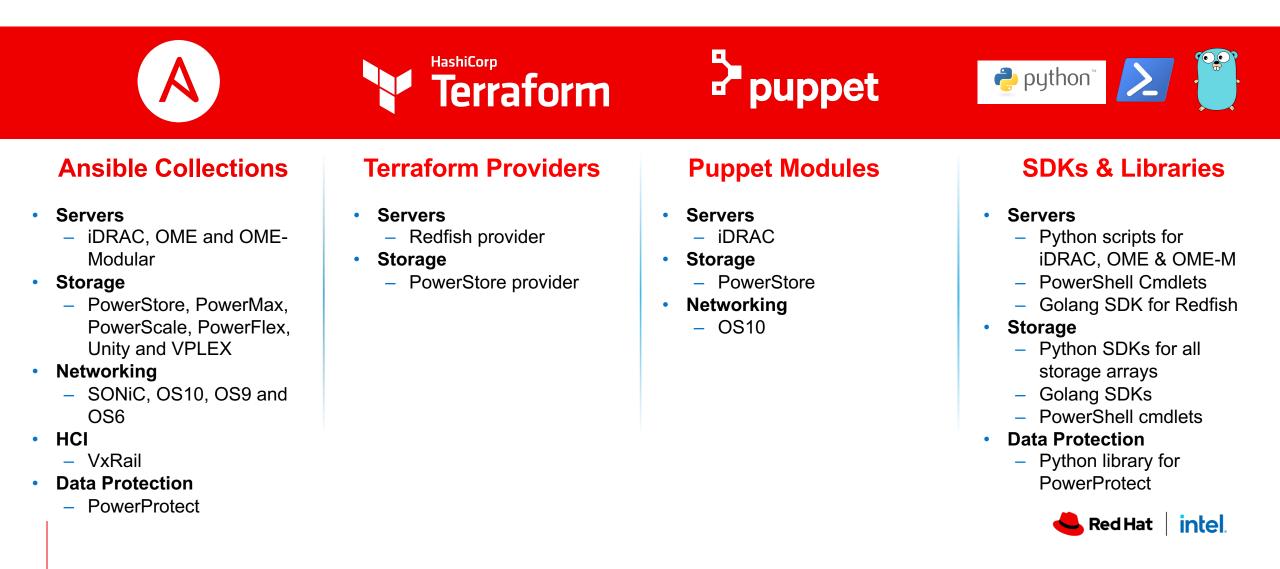
### Architecture – Red Hat Enterprice Linux





## Making Infrastructure automation simpler

With a breadth of open APIs across our product suites, our platforms are supported on the industry leading automation, orchestration, and configuration management tools



## OpenManage Ansible Modules – GitHub repository

G Um	nwatch → 19 🖈 Unstar 49 🖞 Fork 24	🖟 dell / dellemc-openmanage-ansible-modules	O Unwatch ▼         19         ★ Unstar         49         ¥ Fork         24
↔ Code () Issues 21 () Pull requests 1 () Wiki () Insights () Settings		↔ Code ① Issues 21 ① Pull requests ①	
Dell EMC OpenManage Ansible Modules	Edit	React deal +	Create new file Unload files Find file History

### https://github.com/dell/dellemc-openmanage-ansible-modules

- Open-Source project supported by Dell
- Ongoing development frequent releases
  - Minor release every month
  - Major release semi-annual
- Contributions are welcome

uninstalLpy     README.md	Release 1.2 files	17 days ago
install.py	Release 1.2 files	17 days ago
README.md	docs directory removed	16 days ago

#### Dell EMC OpenManage Ansible Modules

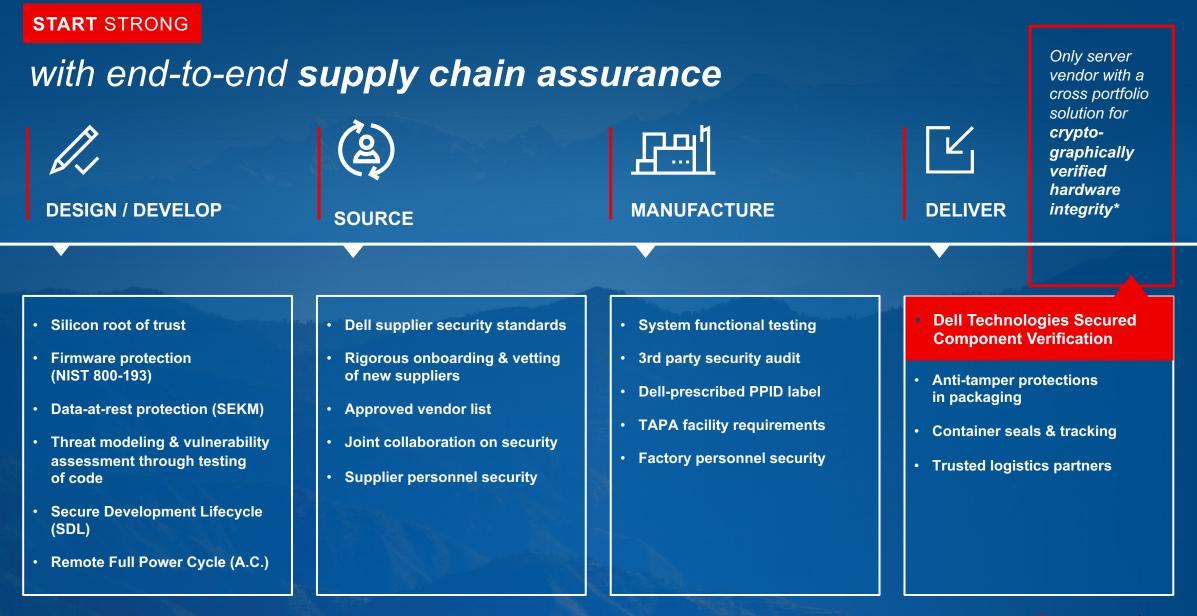
Dell EMC OpenManage Ansible Modules allows Data Center and IT administrators to use RedHat Ansible to automate and orchestrate the configuration, deployment, and update of Dell EMC PowerEdge Servers (12th generation of PowerEdge servers and later) by leveraging the management automation capabilities in-built into the integrated Dell Remote Access Controller (iDRAC).

With the latest release of Dell EMC OpenManage Ansible Modules, the capabilities have improved with support for OpenManage Enterprise. OpenManage Ansible Modules allows users to retrieve device inventory information of each device discovered in the OpenManage Enterprise.

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dellemc_get_firmware_inventory.py	Release 1.2 files	17 days ago
dellemc_get_lc_job_status.py	Release 1.2 files	17 days ago
dellemc_get_lcstatus.py	Release 1.2 files	17 days ago
dellemc_get_system_inventory.py	Release 1.2 files	17 days ago
dellemc_idrac_firmware.py	Release 1.2 files	17 days ago
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dellemc_idrac_storage_volume.py	Release 1.2 files	17 days ago
dellemc_import_server_config_profile.py	Release 1.2 files	17 days ago
dellemc_setup_idrac_syslog.py	Release 1.2 files	17 days ago
dellemc_system_lockdown_mode.py	Release 1.2 files	17 days ago







\*\*Based on Dell analysis of publicly available data, October 2020. Available on PowerEdge 14G and newer, except for PowerEdge XE7100, XE7420, XE7220, C6420 and C6525





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# Thank you



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