



# Cisco: Mehr Geschwindigkeit, mehr Flexibilität und ideale Ressourcen für Ihre Apps!

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# The task...

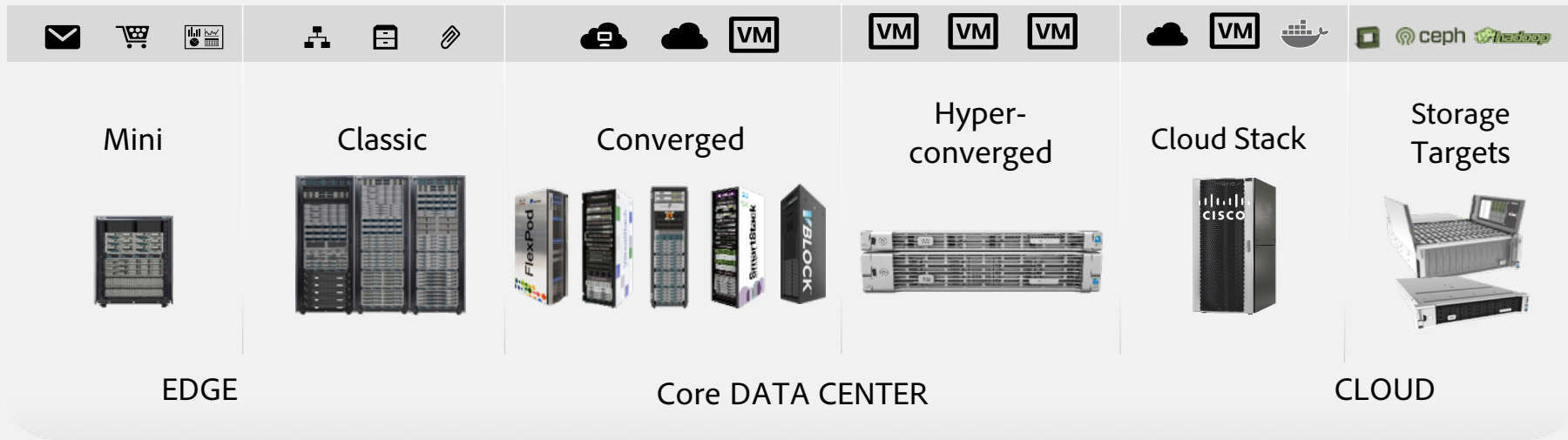


“We need to deploy apps  
faster with performance targets.”

Application Manager

# Unified Compute

Resource Pool



One Management – Cisco Intersight Management Cloud (CIMC)

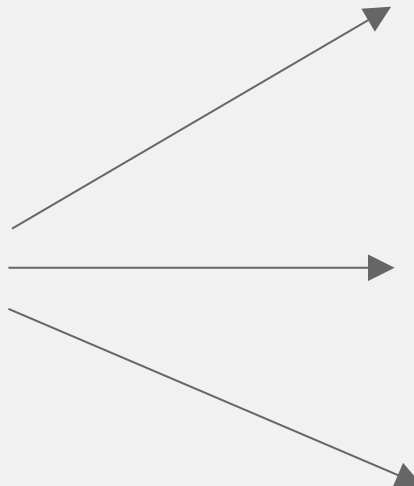
# API driven Infrastructure



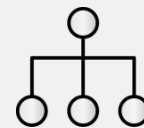
Well Defined Role Based API



**ANSIBLE  
TOWER**  
by Red Hat®



Servers



Networking



Storage

Easily Customizable Back End



## SIMPLE

Human readable automation  
No special coding skills needed  
Tasks executed in order  
**Get productive quickly**



## POWERFUL

App deployment  
Configuration management  
Workflow orchestration  
**Orchestrate the app lifecycle**



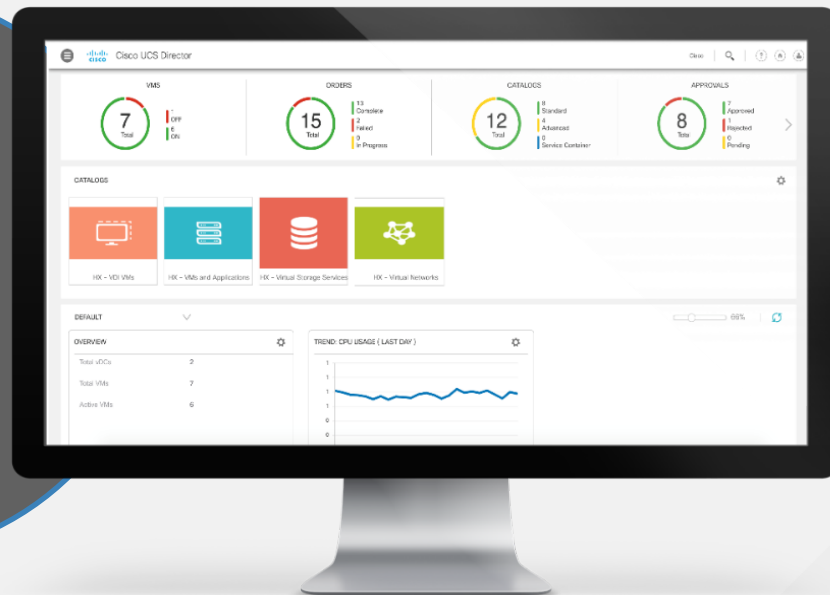
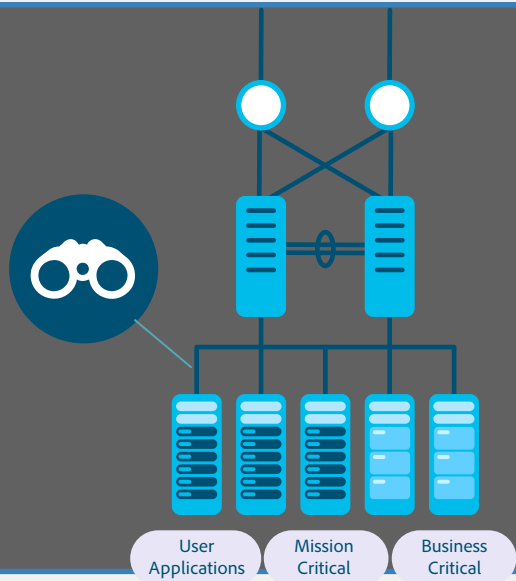
## AGENTLESS

Agentless architecture  
Uses OpenSSH & WinRM  
No agents to exploit or update  
**More efficient & more secure**

# Infrastructure Insights

Enterprise Data Center

Cisco Intersight



# Unified Network

Secure Automation



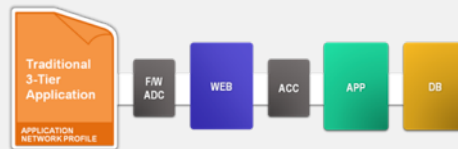
Whitelist Policy integration on network level



NEXUS 9000 Architecture



Application Centric Policy



Controller



Multisite

Core Data Center

ACI Anywhere\*

One Management – ACI 3.0

# What are Containers?

It Depends Who You Ask



**INFRASTRUCTURE**

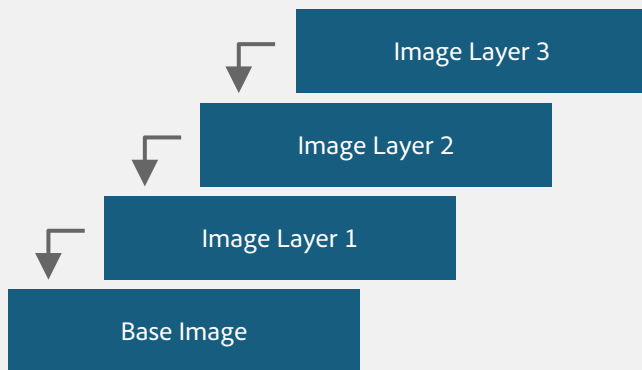
**APPLICATIONS**

- Application processes on a shared kernel
- Simpler, lighter, and denser than VMs
- Portable across different environments

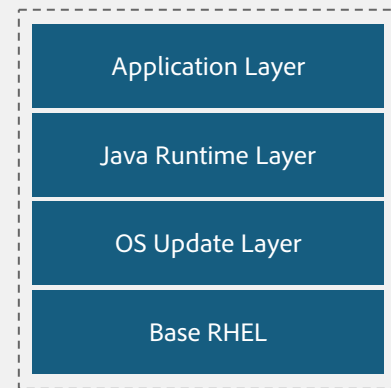
- Package apps with all dependencies
- Deploy to any environment in seconds
- Easily accessed and shared



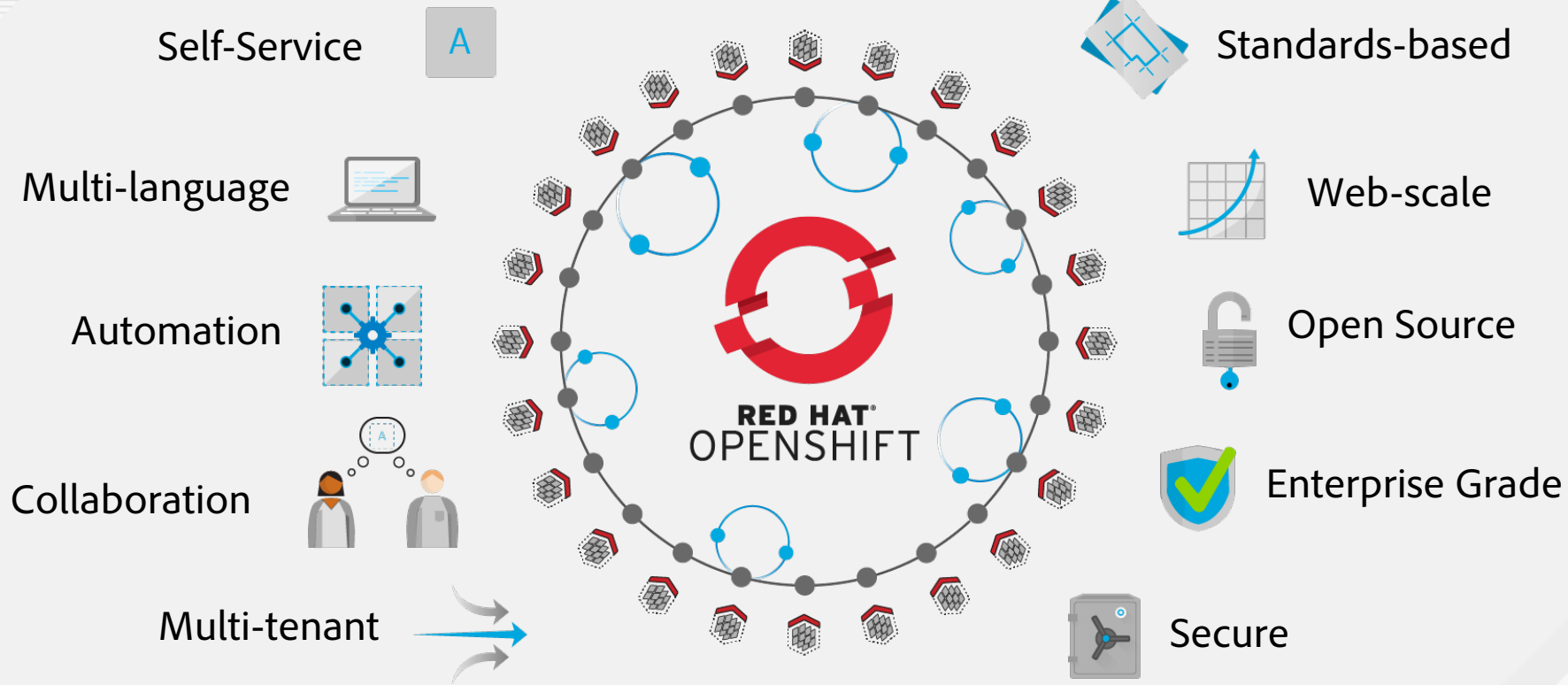
# CONTAINER IMAGE LAYERING



Container Image Layers



Example Container Image

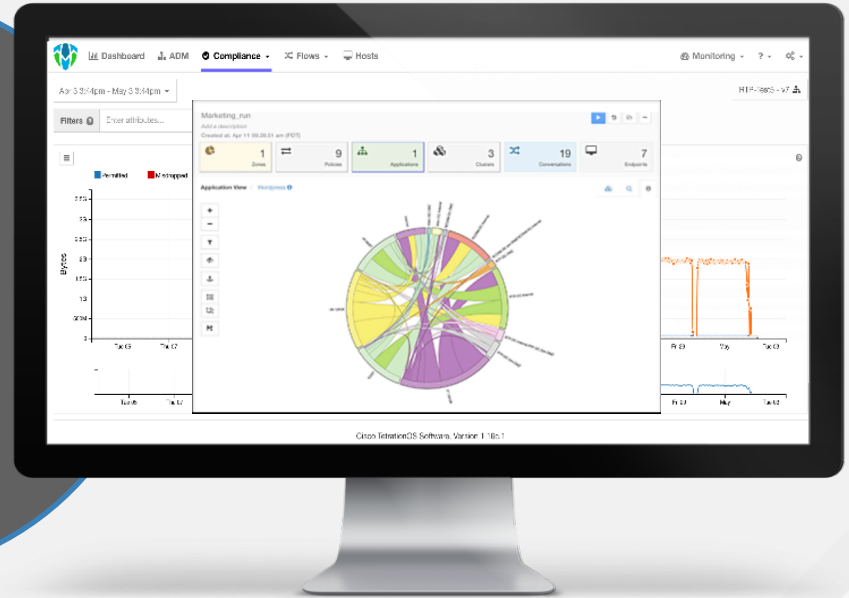
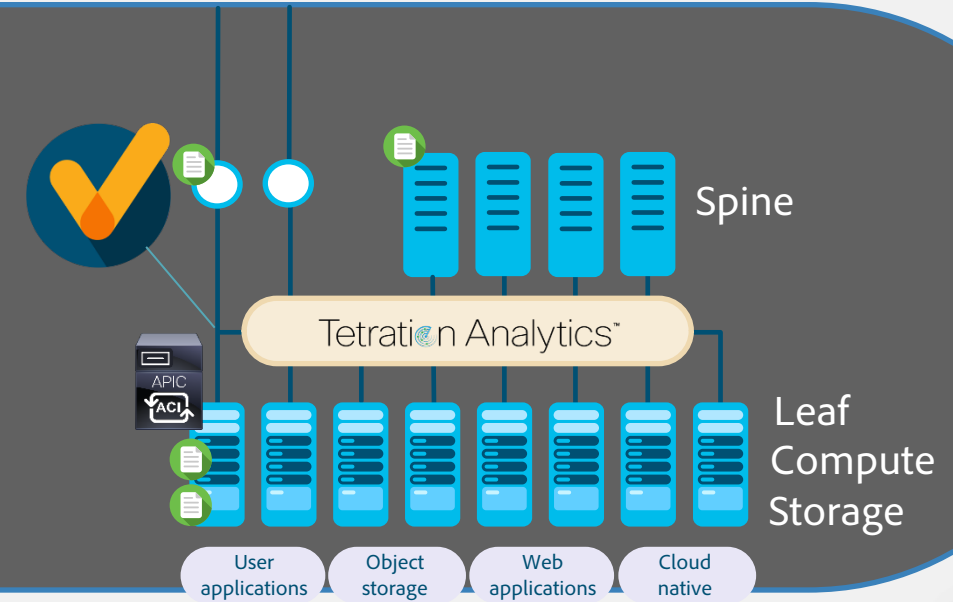


# Application Dependency Mapping



Tetration Analytics™

Private Cloud



# Application Performance Monitoring

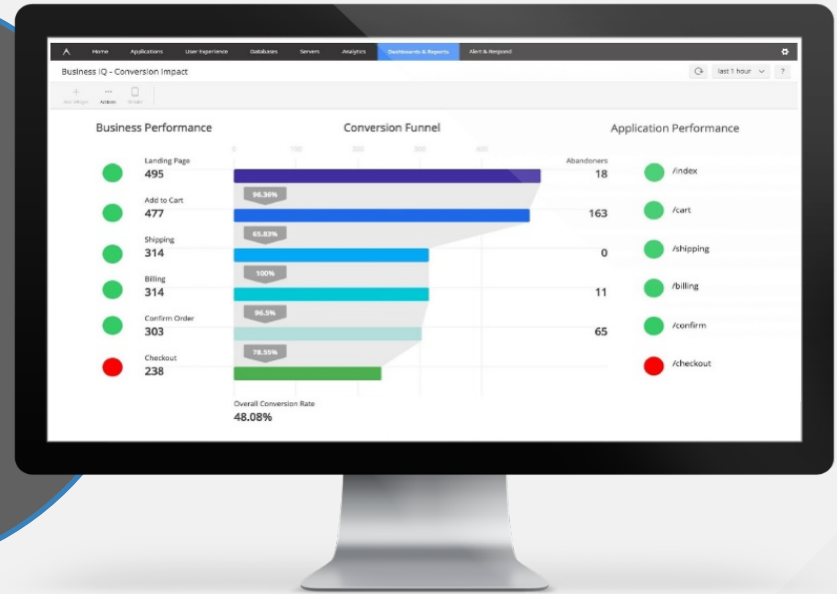
Private and Public Multi-Cloud



APPDYNAMICS



APPDYNAMICS



# Storage for OPENSIFT

## Why Do Containers Need Storage?

- Containers are not persistent by default. App data is lost when containers die.

## Why is container storage a pain point?

- Complex. Even more complicated when container orchestration is involved and applications need to be scaled out

## Why Red Hat Container-Native Storage (CNS)?

- Advanced storage capabilities, deeper integration with OpenShift, better price/performance than traditional storage
- CNS is open, scalable and has consistent user experience across the hybrid cloud (compliments the OpenShift value proposition).

# What does Container Storage Pain sound like?

Conversation starter for storage at a recent OpenShift win

I need a consistent storage fabric across the hybrid cloud

CTO



I need to provision storage without waiting on a storage admin

Developer



I need highly scalable storage for production ready container environments



Storage Admin

I need a single trusted advisor coz containers are so new

Architect



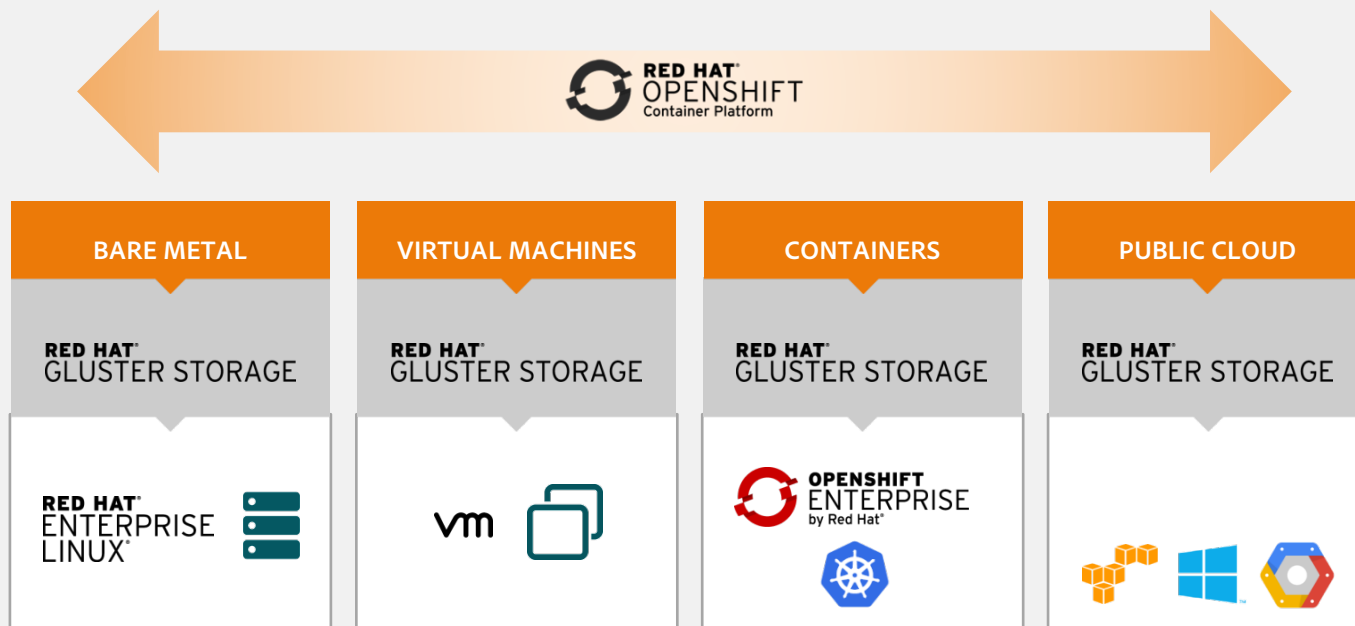
I need flexible, modern storage integrated into the app dev platform

DevOps



# Consistent Experience Across the HYBRID CLOUD

APPLICATION PORTABILITY AND LOWER COSTS



# Cisco DevNet

Development Platform



Download APIs and SDKs, access fully-tooled sandboxes, use learning labs and more!

- <https://developer.cisco.com/site/data-center/>
- <https://developer.cisco.com/site/aci/>
- <https://developer.cisco.com/site/analytics-automation/>
- <https://developer.cisco.com/site/cloud/>
- <https://developer.cisco.com/site/contiv/>
- <https://developer.cisco.com/site/openstack/>

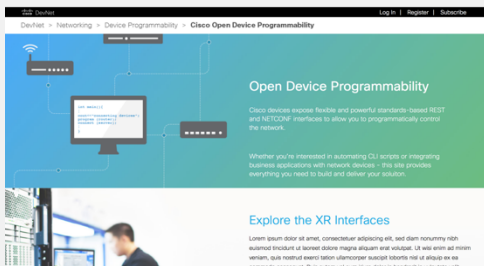
Interested in Networking KnowHow?

- <https://www.netacad.com/>



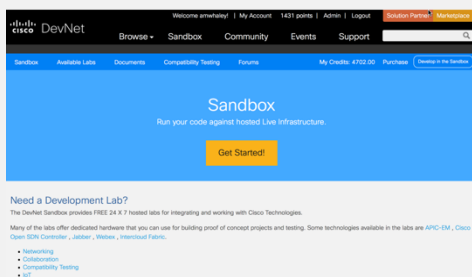
# DevNet answers these questions...

Do I want to use it?



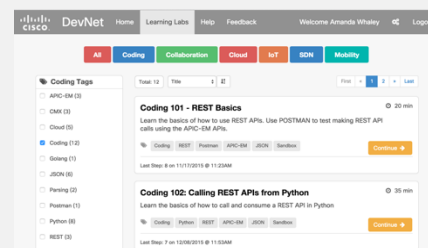
Portal

How do I get access?



Remote Labs/Sandbox

How do I get started?



Learning Labs

How do I use it?



Docs & Sample Code

How do I get help?



Forums & Support

How do I go to market?



App Store & Partners

# RESOURCES

**Ansible Networking Homepage:**

[www.ansible.com/networking](http://www.ansible.com/networking)

**Download Ansible:**

[www.releases.ansible.com/ansible/](http://www.releases.ansible.com/ansible/)

**Evaluate Ansible Tower:**

[www.ansible.com/tower-trial/](http://www.ansible.com/tower-trial/)

Email: [gettingstarted@ansible.com](mailto:gettingstarted@ansible.com)

**Join the Community**

Users list: [ansible-project](#)

Development list: [ansible-devel](#)

Announcement list: [ansible-announce](#) (*read only*)

irc.freenode.net: #ansible

slack.networktocode.com: #ansible





# THANK YOU



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