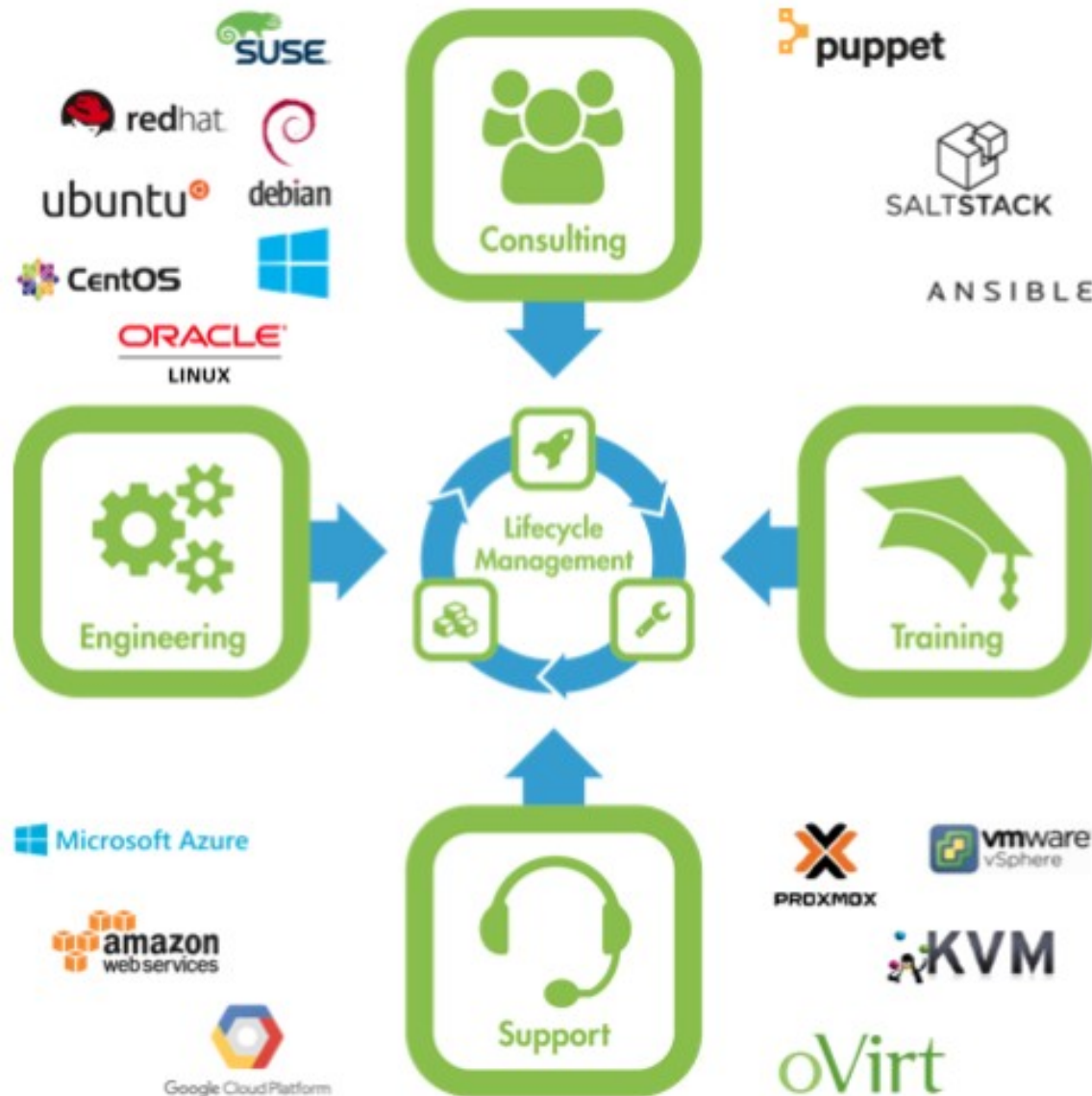


Deploying Servers in an Application Centric Way

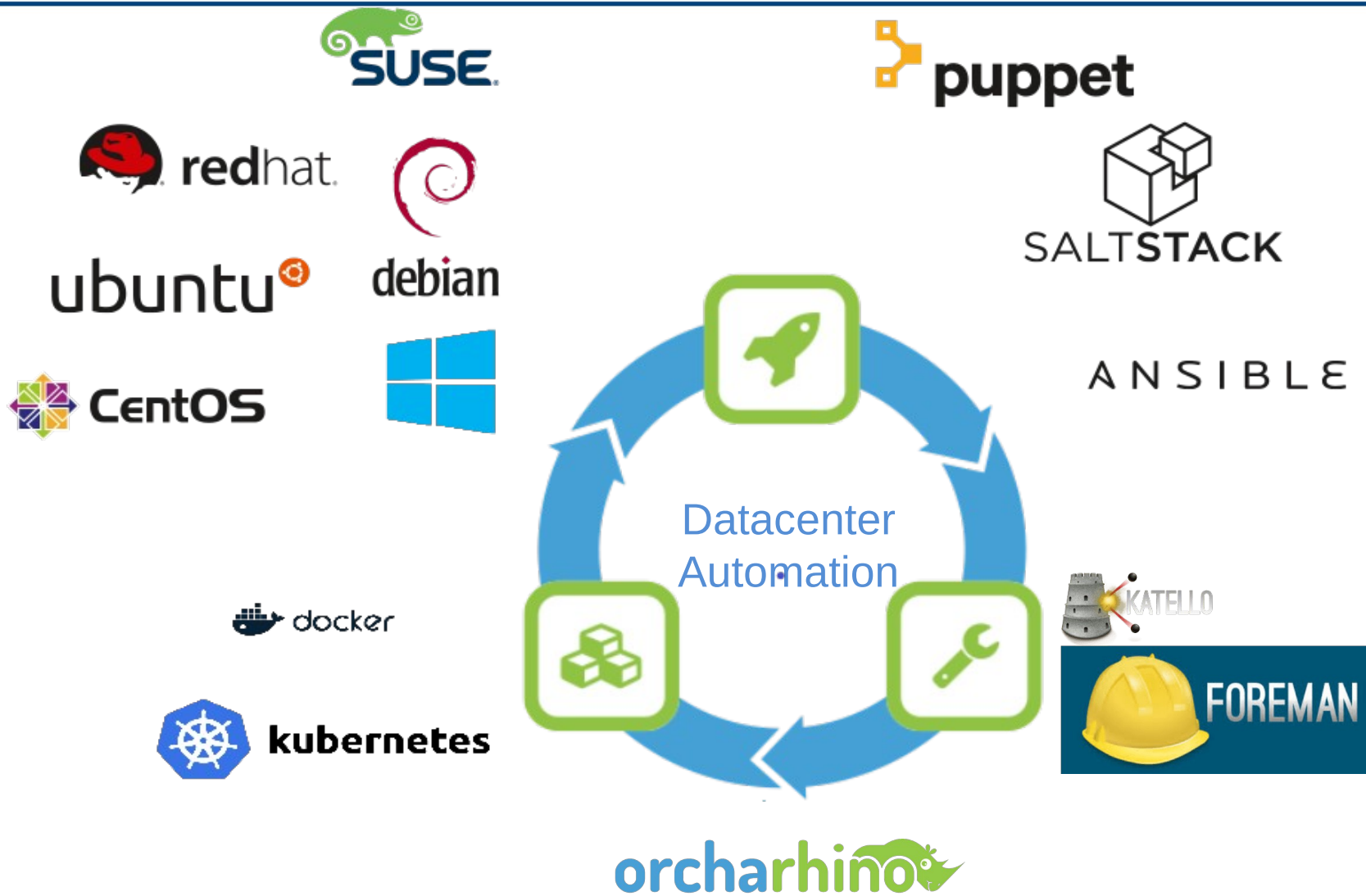
22.08.2021

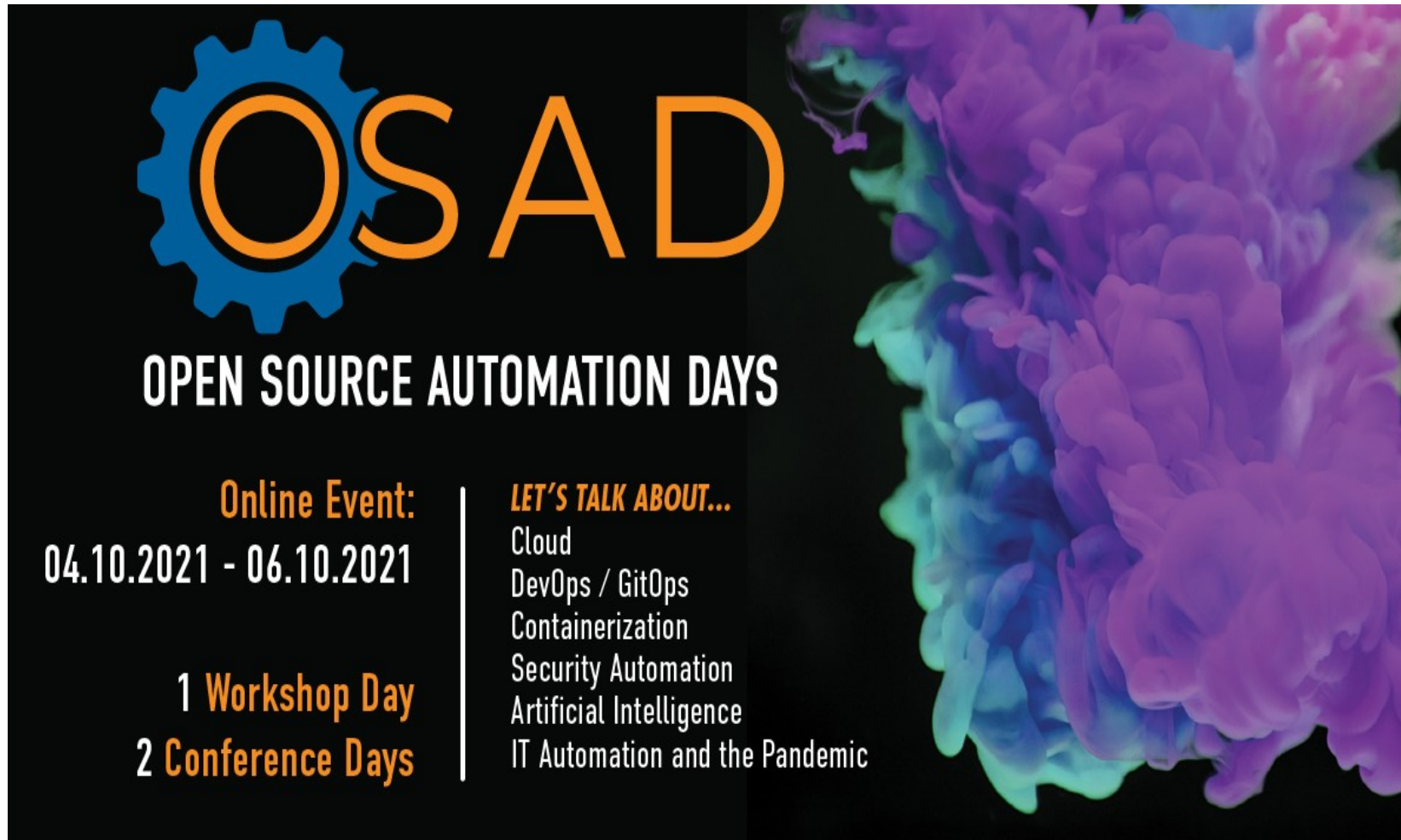
Manisha Singhal

ATIX: SIMPLIFY YOUR DATACENTER



ATIX: SIMPLIFY YOUR DATACENTER





OSAD
OPEN SOURCE AUTOMATION DAYS

Online Event:
04.10.2021 - 06.10.2021

1 Workshop Day
2 Conference Days

LET'S TALK ABOUT...
Cloud
DevOps / GitOps
Containerization
Security Automation
Artificial Intelligence
IT Automation and the Pandemic

How to run a Datacenter

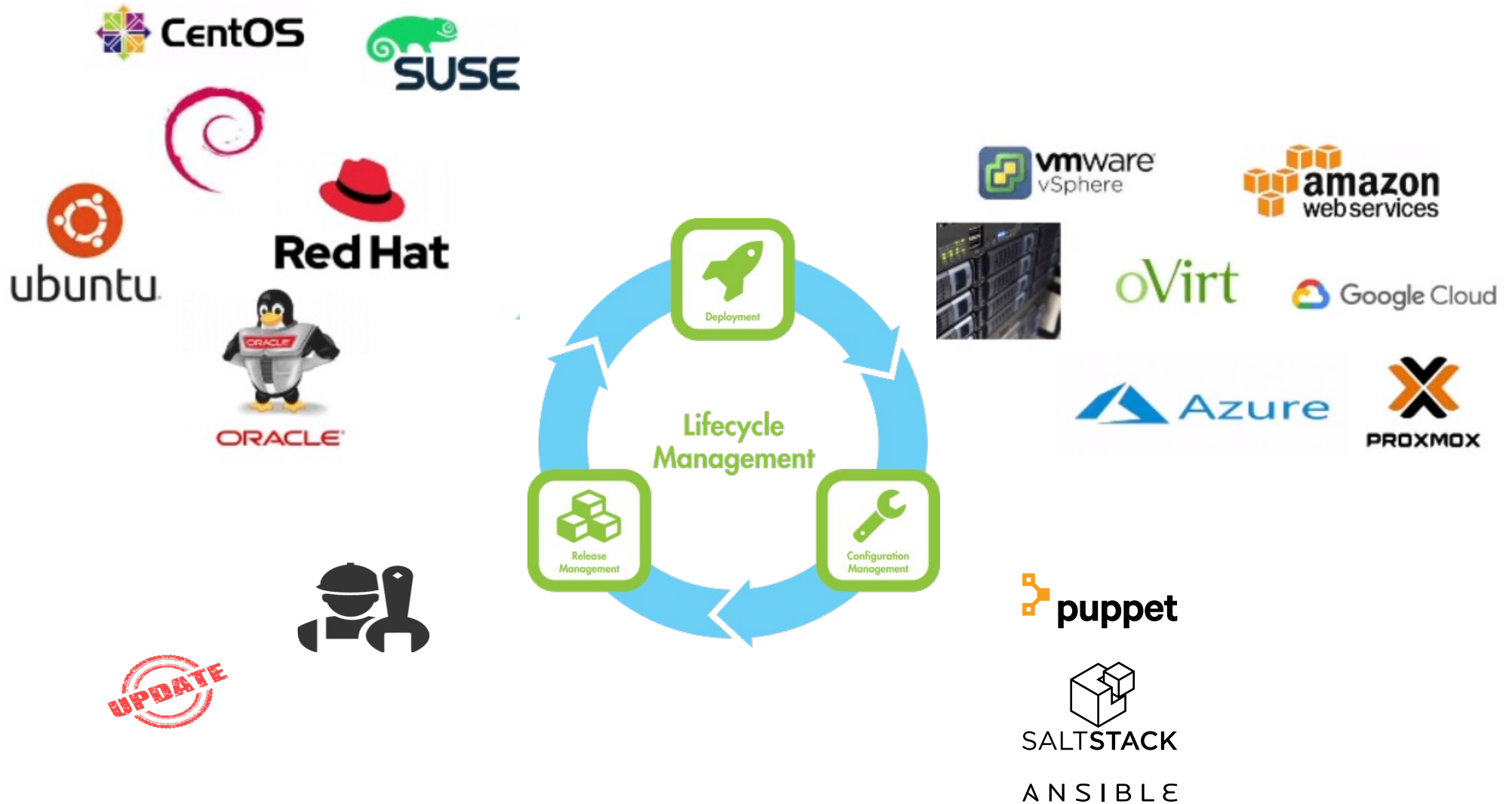


- Organization, Management, and Implementation of configuration of products
- Automated Roll-out of servers
- Patching managed servers
- Easy to use
- Centrally stored and managed
- Changes are visible and feedback options

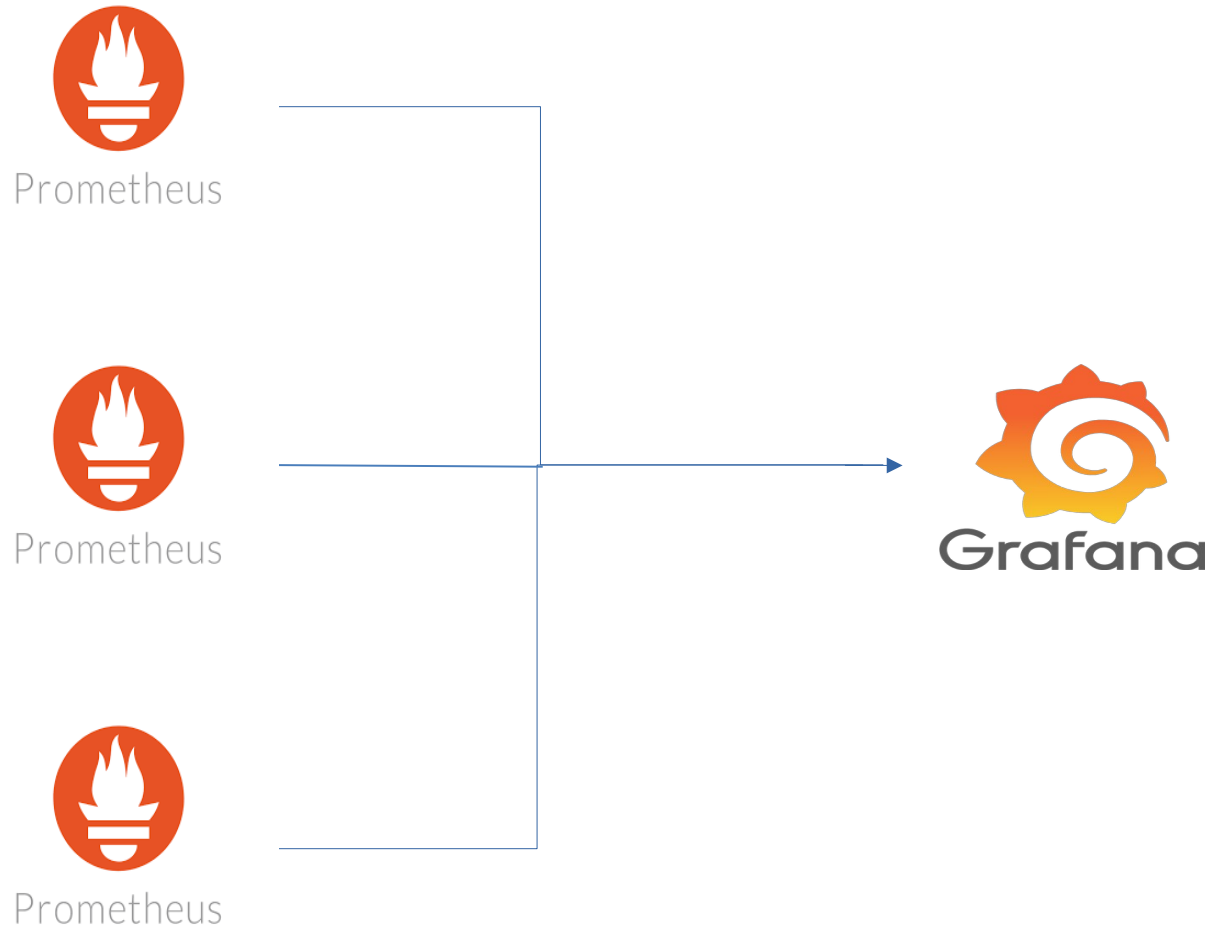
The Foreman Project

- Open Source Project
- Initiated in 2009 by Ohad Levy
- Lifecycle management tool for physical and virtual servers
- Based on Ruby on Rails
- Provisions the servers
- Automate the tasks with Configuration management tools
- Manage tasks and reports

Features of Foreman



Web Application



Host Deployment Method at present



- Configure Host environment
- Provision four Hosts
- Configure each host individually
- Ensure that all hosts are up and running and connected

- Create application templates
- Configure the parameters if required
- Deploy multiple hosts at once
- Automatically run Ansible playbook on all previously provisioned hosts

- **Components:**
 - Ansible Playbook: Import Ansible Playbooks and variables
 - Application Definition: Create application templates
 - Application Instance: Utilizes application templates to deploy servers and configure hosts
- **Roles:**
 - Admin: Create application template
 - User: Deploy application instances

- More reusable App Templates
- More usage ready Ansible playbooks on Github
- Support Ansible Collections
- GUI enhancements like creating multiple hosts with same configurations with one click, etc.

- <https://github.com/ATIX-AG>
- https://github.com/ATIX-AG/foreman_acd
- https://github.com/ATIX-AG/smart_proxy_acd/
- https://github.com/ATIX-AG/acd_playbook_for_elk
- https://github.com/ATIX-AG/acd_playbook_for_prometheus_grafana
- https://docs.orcharhino.com/or/docs/sources/usage_guides/application_centric_deployment_guide.html
- <https://www.theforeman.org/>

Stay in Contact !



<https://github.com/Manisha15>



singhal@atix.de



<https://www.linkedin.com/in/manisha-singhal-1501/>

Thank You