

THE DEVOPS OPPORTUNITY: BALANCING SECURITY AND VELOCITY

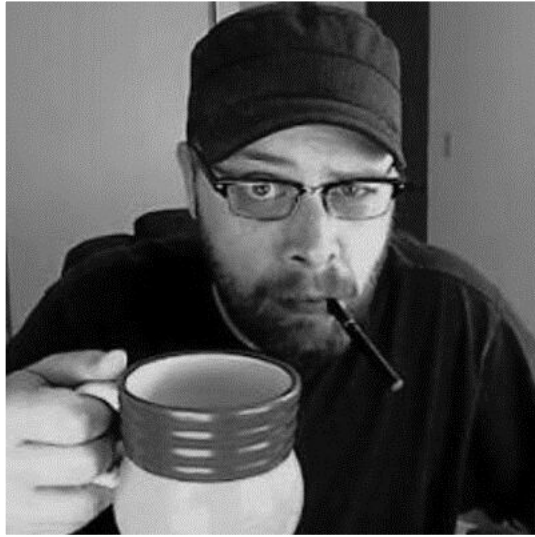
INSIGHTS FROM RED HAT/CYBERARK DEPLOYMENTS AT SCALE



Joe Garcia, CISSP - Principal Engineer, DevOps Security

joe.garcia@cyberark.com

[@Joe_Garcia](#)



David Federlein

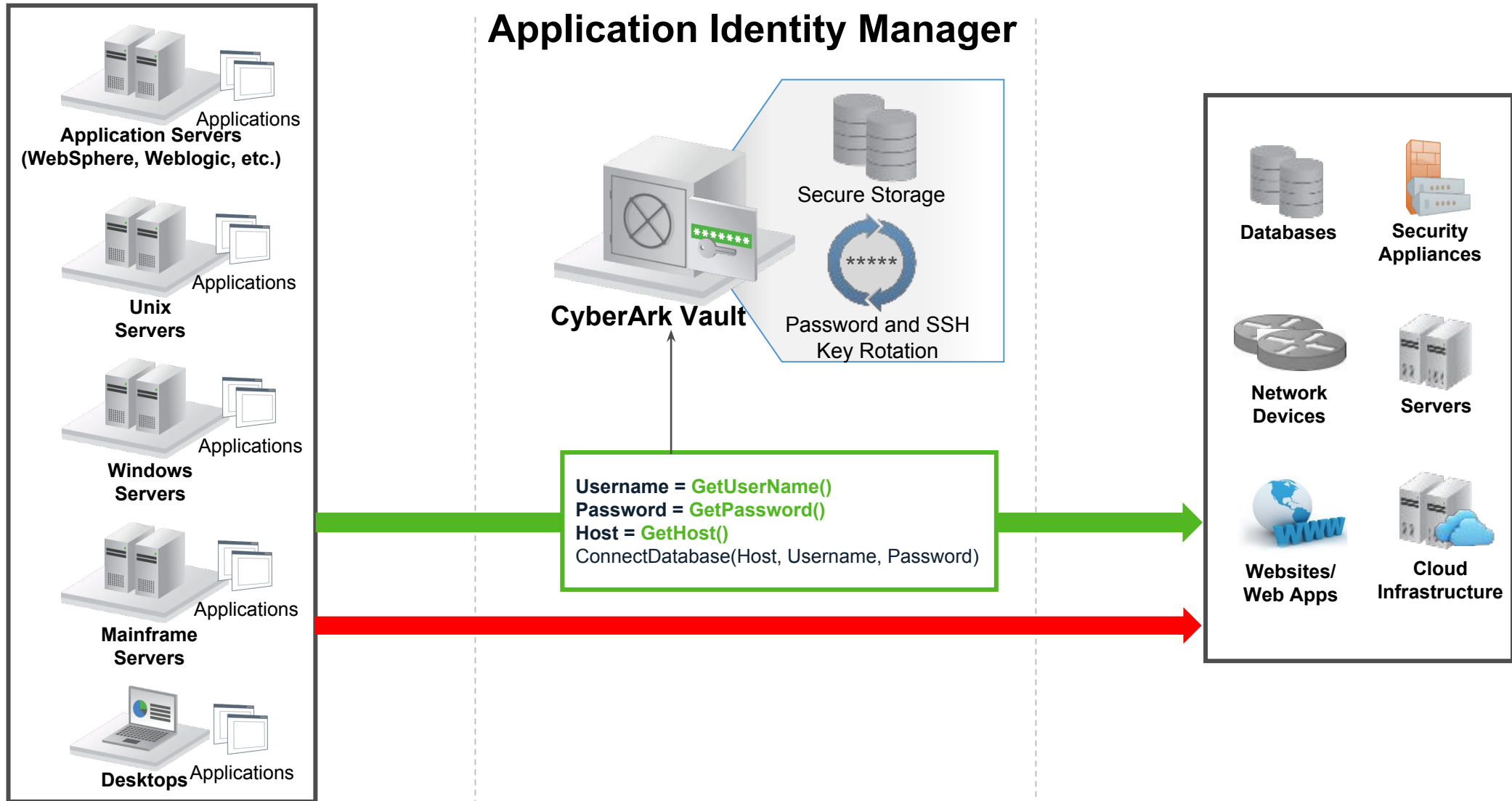
Likes Coffee & Ansible Guru



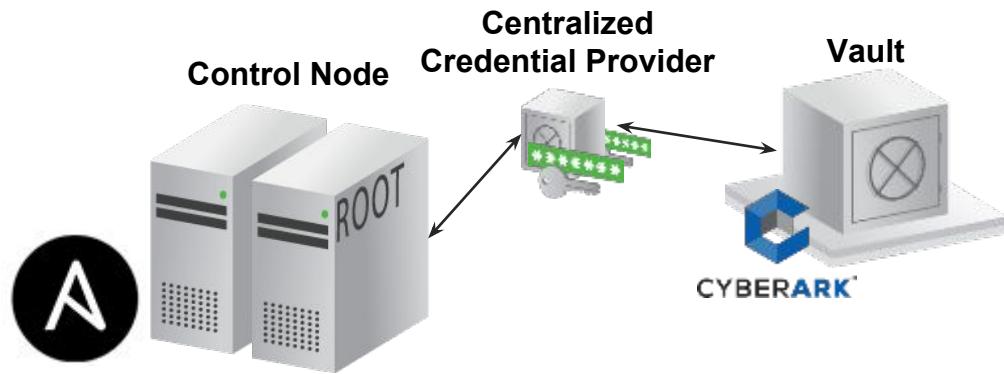
Joe Garcia

Likes Golfing & CyberArk Guru

APPLICATION IDENTITY MANAGER: HIGH LEVEL PERSPECTIVE



EXAMPLE: AUTOMATIC SECURE CREDENTIAL RETRIEVAL



1

```

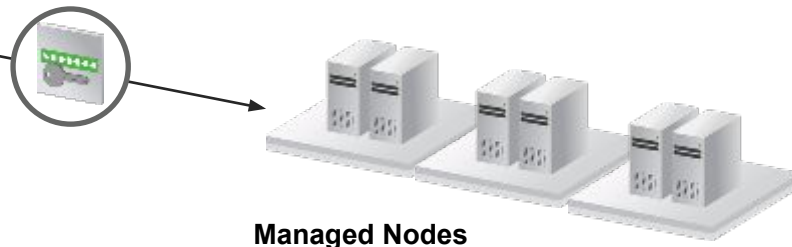
12 include_role:
13     name: cyberark.modules
14
15 - name: Fetch password from Cyberark Vault
16   cyberark_credential:
17     api_base_url: "https://components.cyberark.local"
18     validate_certs: no
19     client_cert: "{{ CYBERARK_CLIENT_CERT }}"
20     client_key: "{{ CYBERARK_PRIV_KEY }}"
21     app_id: "app_ansible"
22     query: "safe=Linux Root Accounts;folder=root;UserName=root;address={{ inventory_hostname }}"
23     reason: "Testing Ansible Playbook"
24   register: cyberark_response
25   delegate_to: localhost
26   no_log: true

```

Ansible Playbook

2

3



When Ansible Requires Privileged Credentials:

1. Include the `cyberark.modules` role from Ansible Galaxy in the playbook.
2. Provide Application ID, Client Certificate, Safe, and Username to `cyberark_credential` function imported from the `cyberark.modules` role. Making sure to `delegate_to: localhost` if the Client Certificate is stored in Ansible Tower.
3. Credential is registered in the variable name provided and can be used throughout the playbook to access assets, APIs, configure systems, install applications, etc.

LET'S DO IT LIVE!



WHERE TO LEARN MORE – www.cyberark.com/conjur

Key Takeaways

- Use CyberArk – Ansible plugin to secure your Ansible playbook
- Checkout CyberArk solutions for Ansible: <https://www.ansible.com/integrations/devops-tools/cyberark>

Ansible Integrations: Where to Start

- Visit www.cyberark.com/conjur
- Visit <https://galaxy.ansible.com/cyberark/>
- Download CyberArk AIM Module role from <https://galaxy.ansible.com/cyberark/modules/>
- CyberArk Conjur Ansible Role & Lookup Plug-in are available on [GitHub](https://github.com) and [Ansible Galaxy](https://galaxy.ansible.com).

Other Useful Resources

- **CyberArk Conjur Open Source** – free and available at conjur.org or <http://bit.ly/2HTyp2j> (hosted trial), Slack channel for questions
- [CyberArk OpenShift/Kubernetes Integration](#)
- eBook – [6 Core Principles For Establishing DevOps Security at Scale](#)
- [Security Report - Unaware and Unprepared DevOps Security at Risk](#)



Thank you!

Joe Garcia, CISSP – Principal Engineer, DevOps Security
joe.garcia@cyberark.com
@Joe_Garcia