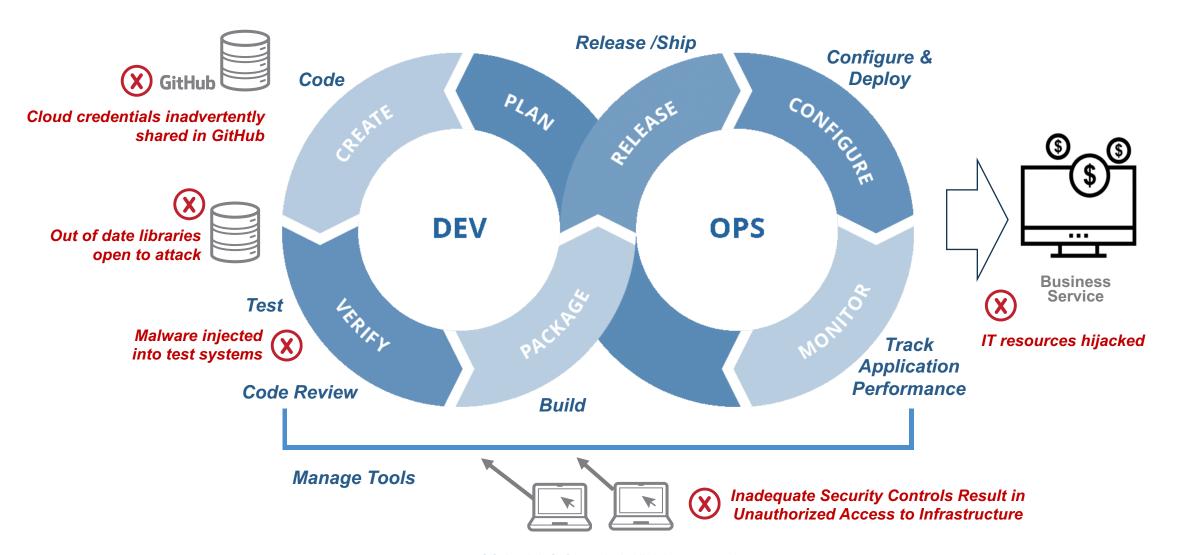


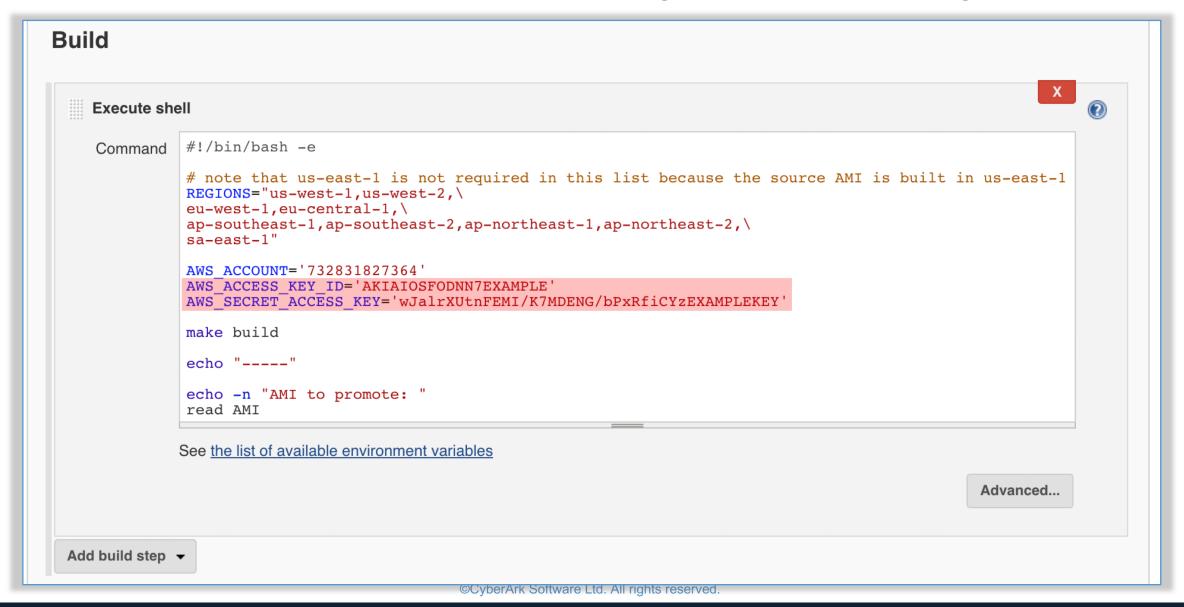


## **DevOps Introduces New Threat Models & Expands the Attack Surface**



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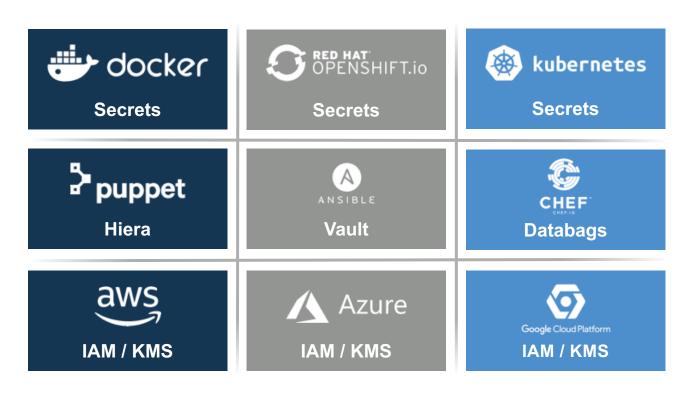
## Attackers Find New Opportunities: Keys In The Build Systems





## But, Native Tools Create Challenges With "Islands Of Security"

#### **Islands of Security**



- Native tool vendors not focused on security, most not enterprise ready
   Vs.
- Central view and control of Privileged Access Security
- Enterprise wide solution for onpremises, hybrid, cloud only
- Leverage the portfolio of CyberArk capabilities (Vault, monitoring, etc.)





## access challenges of containers and the CI/CD pipeline CONJUR IS Leading container platforms **A DEVOPS**

& CLOUD

**SECURITY** 

SOLUTION

Native integrations avoid impacting developer velocity

Addresses the secrets management and privileged











- DevOps tools
- Cloud management solutions



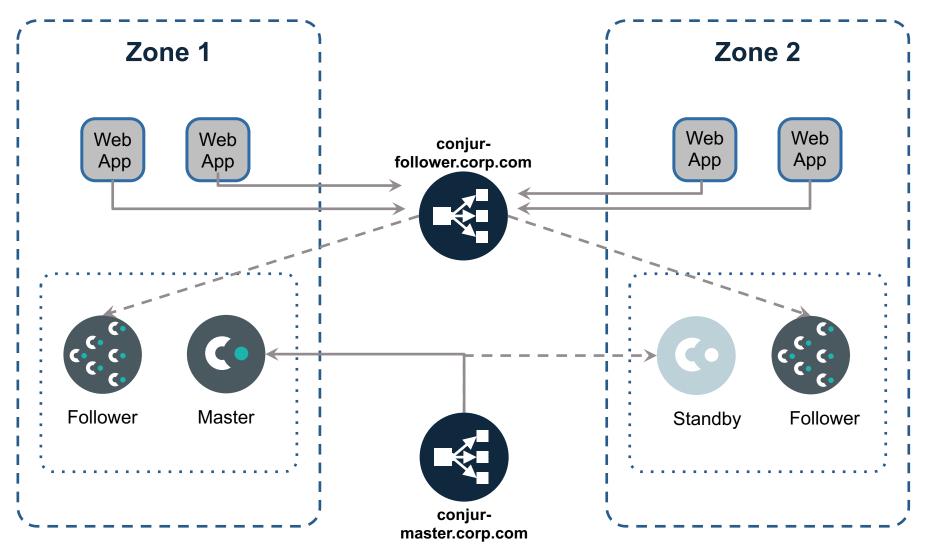




- Powerful security features improve overall security
  - Separation of Duties, Role Based Access, Policy based workflows
  - Vault integration enables policies to be consistency applied
- Open Source and "as code" appeals to developers
  - Easily upgraded to fully supported enterprise version
  - "as code" enables version control, automated replication, etc.



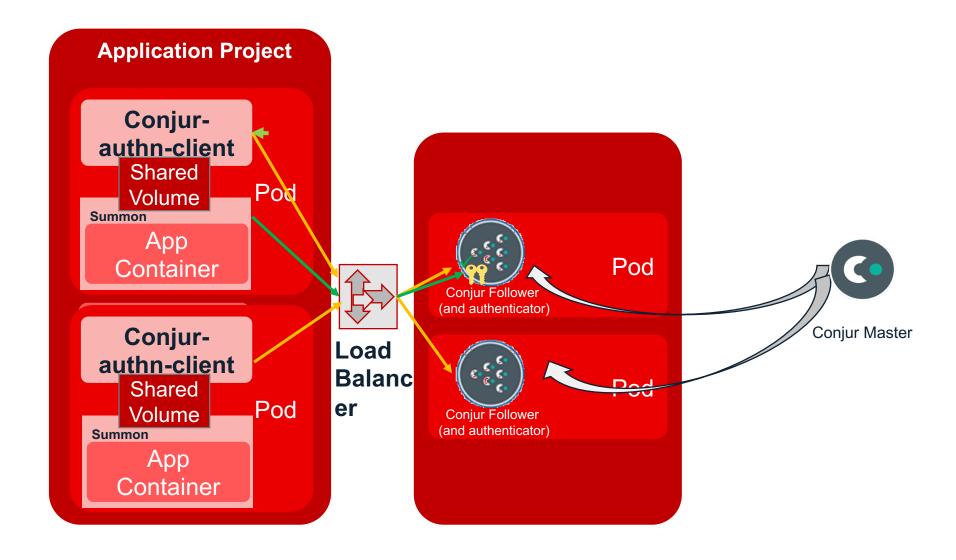
## CyberArk Conjur Is Highly Scalable And Available



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### **OPENSHIFT – CONJUR DETAILED FLOW**





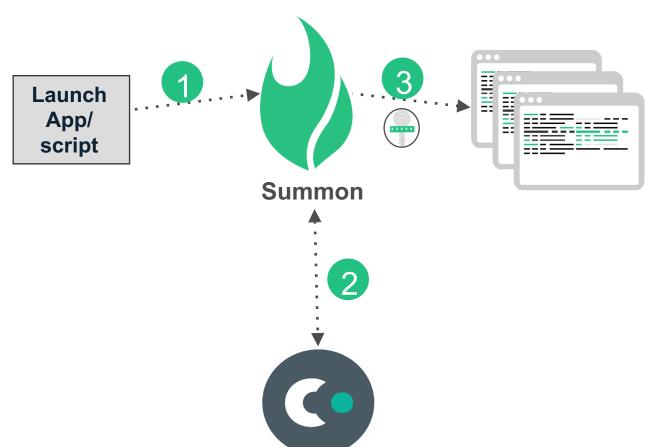
### SECRETS MANAGEMENT BECOMES EASIER USING SUMMON

An open-source tool to help developers and sysadmins improve workflows that involve access to secrets.

Summon fetches the secrets and makes them available in the environment of the specified process.

Once the process exits the environment variables do not remain on the system.

- 1 Processes started using Summon
- 2 Summon fetches secrets using machine identity
- Processes launched with secrets in environment
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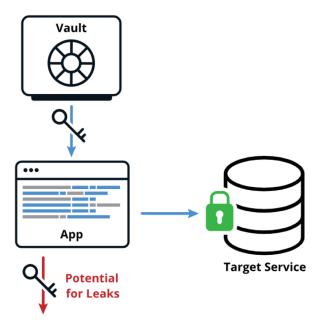
## SECURE ANSIBLE WITH CYBERARK -CONJUR

- Secrets managed by CyberArk and Conjur are delivered securely to Ansible hosts
- Least privilege enforced on Ansible hosts
- Security Teams enabled to bring best practices to Ansible and meet compliance requirements
- Removes the need to duplicate Secrets Management functionality across multiple platforms.
- Audit privileged activity on Ansible hosts



# REMOVE COMPLETELY SECRETS PROBLEM FROM DEVELOPERS WITH SECRETLESS

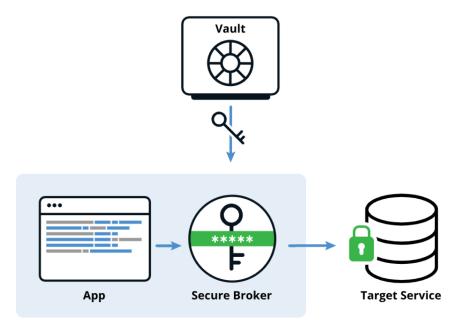
### The Old Way



#### **Developer Responsibilities**

- Fetch secrets from vault
- Securely handle fetched secrets within app
- Resiliently handle secret rotations
- Manage connection disruptions
- Connect to target services using fetched secrets

### With Secretless Broker



#### **Developer Responsibilities**

- Manage connection disruptions
- Connect to target services using local sockets and URLs

Secretless Broker Automates the Rest



## IT'S EASY TO GET STARTED



- Try CyberArk Conjur Open Source at <u>www.conjur.org</u>
- Summon Open Source at <a href="https://github.com/cyberark/summon">https://github.com/cyberark/summon</a>
- Secretless Open Source at <a href="https://secretless.io/">https://secretless.io/</a>
- Read our DevOps Security Blog <u>www.conjur.org/blog</u>