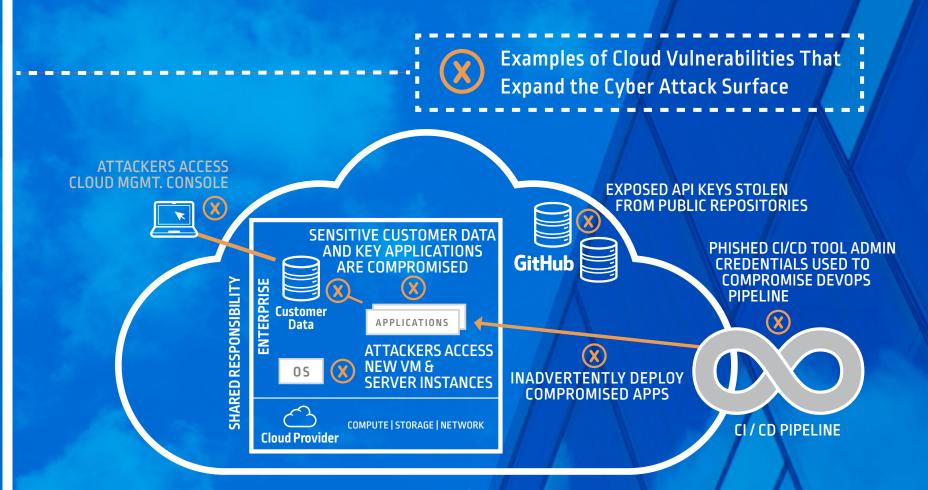


Security Checkpoints to Consider Along Your Organization's Cloud Journey

Whether you're on a journey to a public, private or hybrid cloud environment, relying on DevOps or leveraging SaaS applications, understanding cloud computing vulnerabilities is critical.

According to Microsoft, attacks on cloud-based accounts increased



The First Step of Protection Is to Know Your Specific Risks

Discovery tools can help you locate all cloud assets and uncover potential privileged accounts, access keys and other credential used throughout your enterprise's cloud environment.

Key Risk-Identification Actions



Discover all cloud and hybrid assets, including privileged accounts, access keys, storage, and compute instances



assess risks and vulnerabilities in cloud workloads and environments



highest risks and focus on those first



Gartner Through 2020, more than half of security failures associated with IaaS and PaaS will be attributable to significant

security gaps caused by failure to adopt Privileged Access Management technology and processes.²

Cloud Vulnerabilities & Steps for Securing Them

· Apply privileged account protection practices to both human and script access

The Management Console

- Secure root account credentials in digital vaults Use multi-factor authentication
- Ensure API and automated access, scripts, etc. are secure

· Monitor active privileged sessions in real-time



· Secure privileged credentials associated with newly provisioned infrastructure · Automate new server instance provisioning

The Organization's Cloud Infrastructure

- Use the principles of least privilege management
 - · Remove privileges when infrastructure is de-provisioned



· Secure all API keys in a secure digital vault

API Access Keys

Automate access to the digital vault to ensure the secure use of API access keys

· Remove embedded API keys and secrets from scripts, automation tools, etc.

Secure access to all tool admin accounts and consoles

Never provide human users direct access to API keys





configures tools · Perform audits to improve the organization's security posture

· Apply consistent security policies enterprise-wide to govern who/what uses and

- DevOps Pipeline Code

· Remove all secrets, keys & credentials from source code, configuration management, etc.

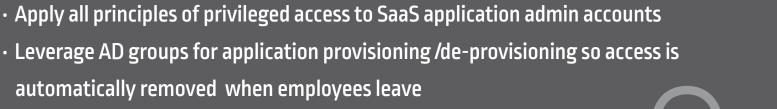
· Centralize access in a secure digital vault · Monitor, control and rotate credentials according to enterprise security policies

· Automatically secure credentials when new instances are created

Include security at the start of the dev process—don't retrofit

as new code is going into production

- · Audit everything to continually learn and improve
- Admin Accounts for SaaS Applications





DevOps.

· Leverage AD groups for application provisioning /de-provisioning so access is automatically removed when employees leave

- Use session monitoring and recording for sensitive business applications such as payroll systems
- Discover how CyberArk can assist you on your cloud journey—from



Visit http://www.cyberark.com/cloud to download a copy of the ebook, 6 Key Use Cases for Securing Your Organization's Cloud

Workloads or request additional information online.