Secrets Management

Come together for an engaging discussion on secrets management, exploring its significance in personal privacy and organizational security. Discover practical strategies and share your insights as we brainstorm innovative ideas to shape the future of secrets management. Together, let's enhance our understanding, educate ourselves, and contribute to the advancement of this essential aspect of our digital age.

SKYLIER WALLACE   JUL 31, 2023 01:59PM UTC

Secrets Overview

SKYLIER WALLACE   JUL 31, 2023 02:22PM UTC

What is a secret?

Something private, kept away   — **ANONYMOUS**

confidential information   — **ANONYMOUS**

Not for public sharing   — **ANONYMOUS**

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How would YOU define secrets management?

Meta-secret   — **ANONYMOUS**

Being able to securely manage secrets in a way that is scalable
— **ANONYMOUS**

Keep secrets secure while making them available for those who need them   — **ANONYMOUS**

Machine Credentials / Service accounts /   — **ANONYMOUS**

Not pmp   — **ANONYMOUS**

Cert private keys   — **ANONYMOUS**

Something that can actually handle proper rotation, revocation, and elevation / auditing   — **ANONYMOUS**

SKYLIER WALLACE   AUG 02, 2023 03:43AM UTC

Why is proper secrets management important to individuals and organizations?

For use in automations and software builds, and scripts. Allowing a central place to consume and update secrets allows us to change our credentials regularly for security purposes   — **JULIAN, ADAM**

bc security   — **ANONYMOUS**

I don't want anyone to know my secrets :(— **ANONYMOUS**

SUNBURST   — **ANONYMOUS**

information in the wrong hands can be very damaging (reputation or financially for example) to an organization   — **ANONYMOUS**

Someone can then learn your secrets and share your secrets to everyone   — **ANONYMOUS**

So secrets are not hard-coded in scripts or sitting on file systems in config files   — **MABUQU2**

Secret Practices Today

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What types of Secrets do you manage?

Life, the universe, and everything (access tokens, deploy tokens, GitLab access, Financial system access, etc.)   — **TONY BROOK**

FERPA-protected info   — **ANONYMOUS**

SSL certs (private keys in particular)   — **ANONYMOUS**
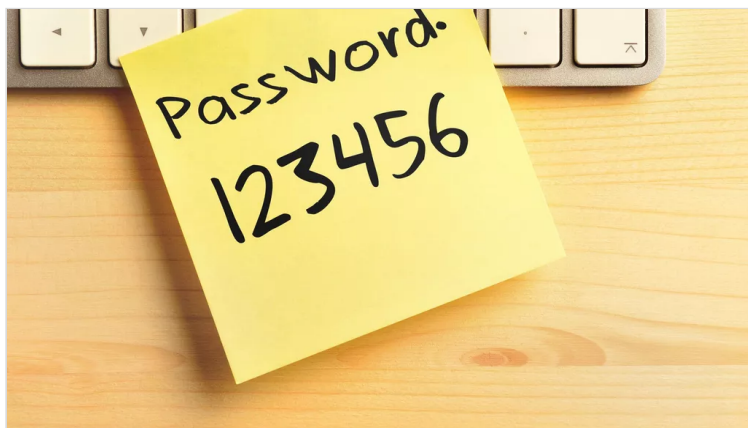
client secrets for app integrations   — **ANONYMOUS**

Ssl private keys, api access keys, tokens. Any secret that is owned or shared across a team   — **MABUQU2**

Root or administrator passwords for windows/Linux operating systems   — **MABUQU2**

LAPS   — **ANONYMOUS**

How do you / have you seen people managing secrets? (enterprise or personal)

Usually hard coded into scripts when I have to report them to the ISO — **TONY BROOK**

LastPass / BitWarden — **ANONYMOUS**

Password managers (bitwarden, pmp, etc.) — **ANONYMOUS**

browser based pwd managers are popular with users — **ANONYMOUS**

Hashicorp Vault / CyperArk Conjure — **ANONYMOUS**

PMP, MBAM, AD for LAPS — **ANONYMOUS**

Pmp for work related, non personal creds. KeePassxc for personal owned creds. — **MABUQU2**

*Mother-in-law loves piece of paper in a binder* — **ANONYMOUS**

different tiers of passwords (bank info vs online shopping log ins) — **ANONYMOUS**

Personally I use a private KeePass database, with the key vault stored in a private Dropbox with a 48-character password. Lately i've tied this into my Yubikey OTP. I also have my Authenticators tied into the yubikey. — **TONY BROOK**

Secrets Short Dive

SKYLIER WALLACE   AUG 02, 2023 04:55AM UTC

Secrets Management at a high level.
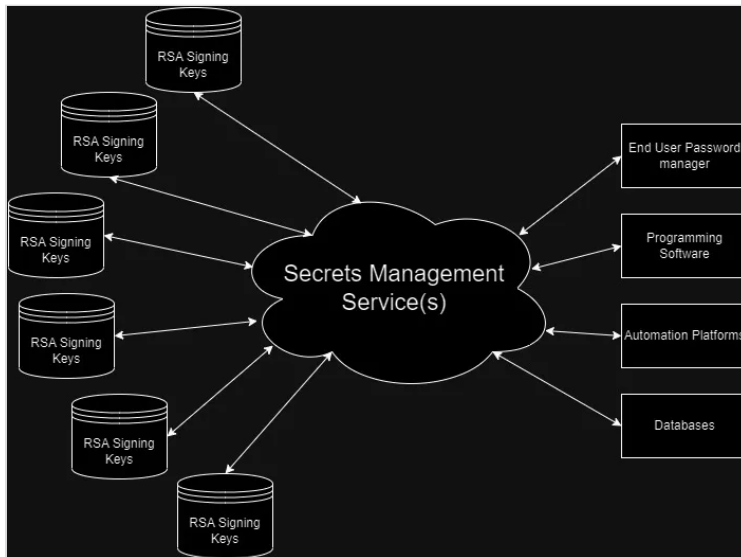
Secrets Practices of the Future!

SKYLIER WALLACE   AUG 02, 2023 04:33AM UTC

How can we better manage our secrets as individuals?

We need a proper secrets manager based on open source and auditable code that can be integrated via API into our build tools, CI/CD pipelines, Ansible, Authentication tools, Splunk for logging, and Orion for monitoring — **TONY BROOK**

Not use the same password for everything — **ANONYMOUS**

training end users on best practice (no post it notes, secure password creation) — **ANONYMOUS**

Buy LastPass Family edition for your parents. — **ANONYMOUS**

For those who don't know, GitLab does secrets detection and limited SASL. If we get more support for it, we may even get to the Ultimate level, which does even more secrets management. — **TONY BROOK**

https://docs.gitlab.com/ee/user/application_security/secret_detection/ — **TONY BROOK**

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How can we better manage secrets at an enterprise level?

Finally realize how important this is and set up a vendor-supported instance of Hashicorp Vault. — **TONY BROOK**

Replace PMP — **ANONYMOUS**

SKYLIER WALLACE   JUL 31, 2023 08:09PM UTC

What emerging technologies might change the way we handle secrets in the future?

A whole new world

All of this is gonna get even more important as we talk about mobile credential management, especially with Redbird Card.   — TONY BROOK

Communication Space

Comments

good job sky!   — ANONYMOUS

Nice job Sky!!   — ANONYMOUS

Questions

Kuali integration - cycle passwords as part of an onboarding/offboarding workstation via APIs   — TONY BROOK

(can't edit, meant workflow)   — TONY BROOK

90 day ssl certs from incommon   — MABUQU2

Oh yeah. 100% I'd love to have incommon CA auto-rotate and possibly leverae Letsencrypt for daily cert rotation   — TONY BROOK

Integrating secrets manager with identity management system   — ANONYMOUS

Thoughts

Sky is a wonderful human with great insights, and gave a fantastic presentation :)   — ANONYMOUS

agreed!   — ANONYMOUS

Encourage family members by providing use case scenerios, "show-how" examples.   — ANONYMOUS

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