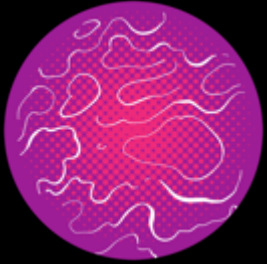


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What is Azure Key Vault and how to use it in D365FO?



Where to store
your credentials
&
sensitive data



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Agenda

- Azure Key Vault
- How to use it from D365FO?

DEMOS!



Azure Key Vault

- **Cloud service for securely storing and using**
 - Secrets (password, connection strings, API keys, ...)
 - Cryptographic keys
 - Certificates
- **Sensitive data never leave key vault**
 - Support for HSM backed keys (Premium)
- **REST API**
- **Advanced security**



Security is most important

- **Avoid storing your secrets in too many places**
- **Fine grained privileges**
- **Segregation of duties**
- **Users, Applications, Applications impersonation users**
- **Management plane vs. data plane**
- **Managed HSM pools for highest security level (FIPS 140-2 Level 3 compliant)**
- **Firewall, network security and Azure Defender**

Secrets, Keys, Certificates

SECRETS

- Cloud password manager



KEYS

- Private-public keypairs
- Used without certificates when trust is preestablished



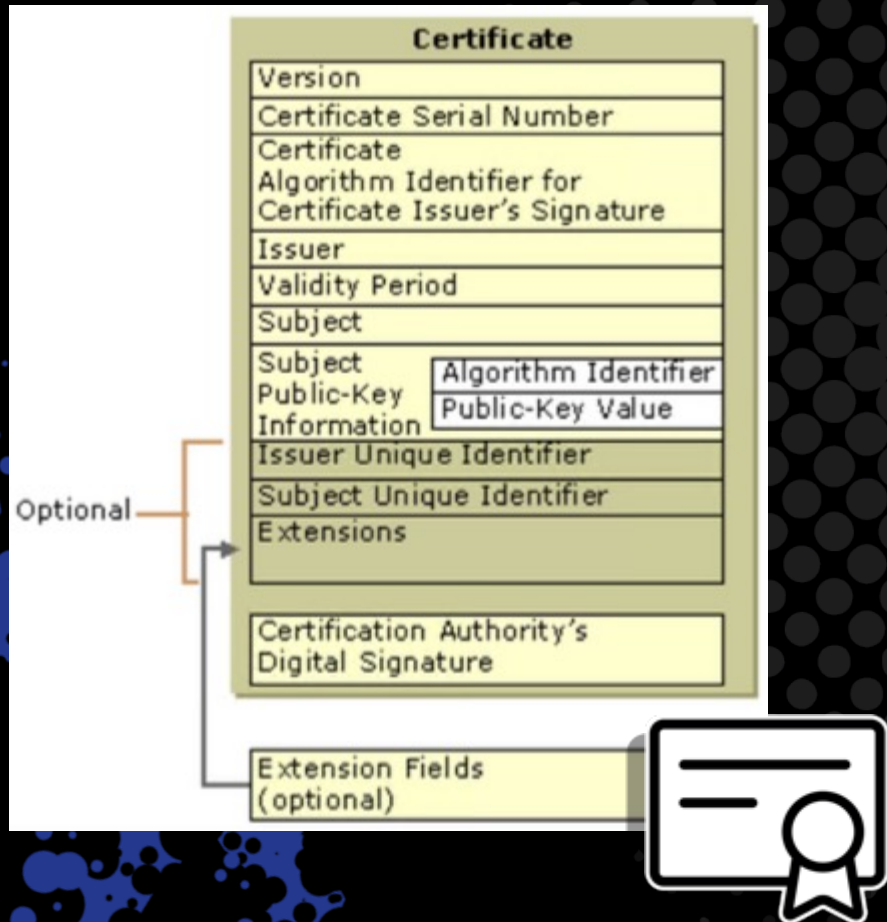
CERTIFICATES

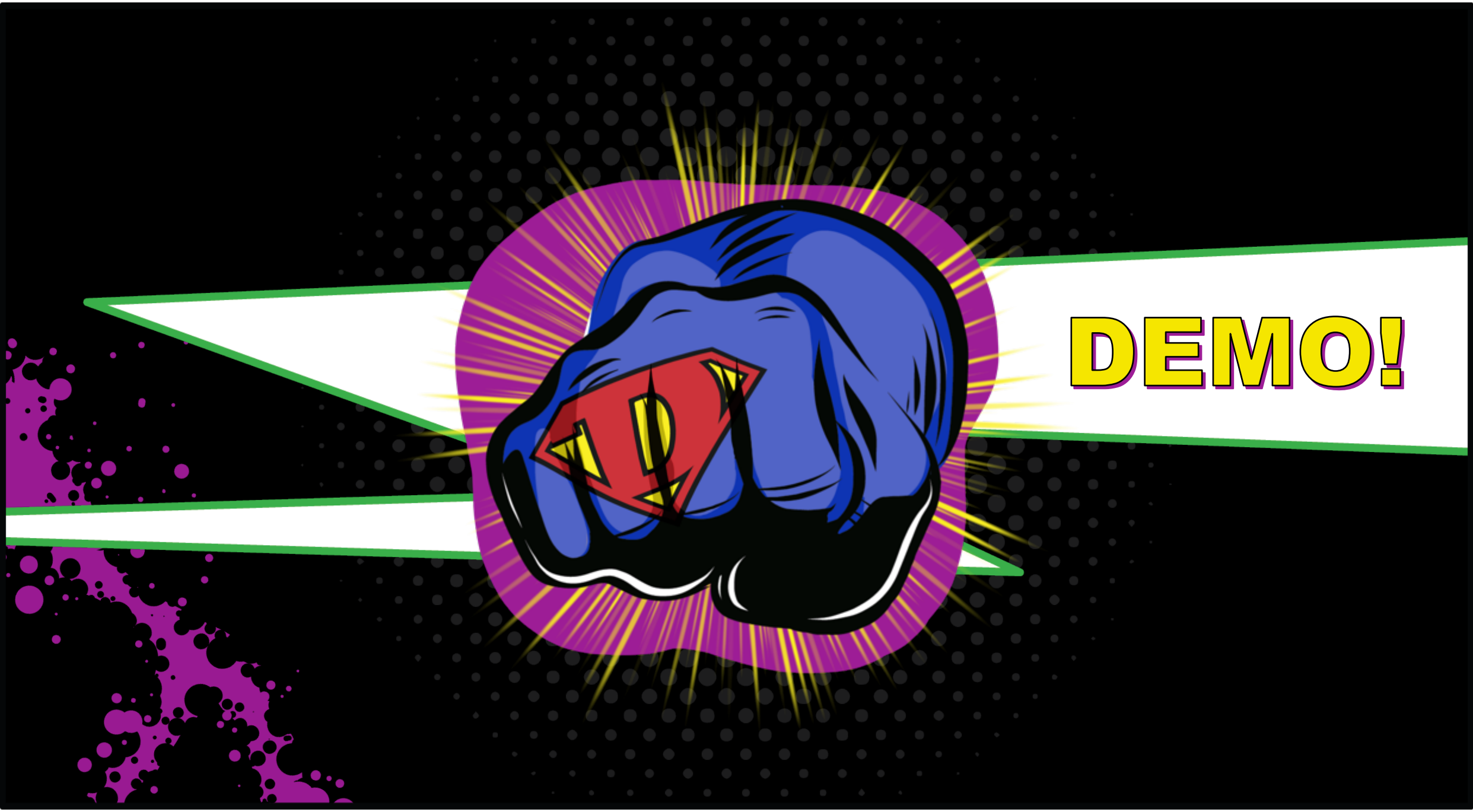
- Proof of identity of key owner
- Key is not visible
- Renewals



Certificates


- Issued by trusted certificate authority (CA)
- Seals your identity data, public key hash and key usage
- For persons, companies, employees, web sites, ...
- X.509 standard





DEMO!

Why should I use Azure Key Vault in my D365FO?



To store the secrets outside my database.

But how will my D365FO securely access the secrets?

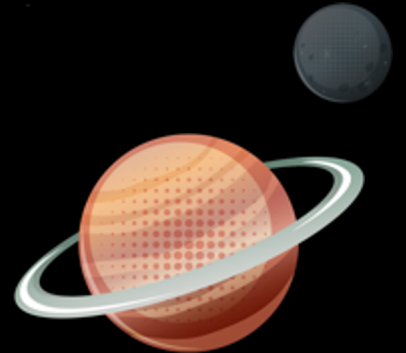
To outsource certificate renewals.



DEMO



- Access key vault from D365FO
- Use secret from key vault to connect to Azure Event Grid
- Certificates
- Create signed eInvoice
- Create signed PDF



Summary

- Your secrets are more secure and better managed in a key vault
- D365FO offers out-of-the-box integration
- Alternative for Windows certificate store in cloud environments





Let's ask the questions

How can I **move**
my secrets?

What about
backups?

How does it influence
the **performance**?

Can we use it
on **on-prem**?

But how will my
D365FO **securely**
access the secrets?

Can we sign **all**
documents?

How much will
it **cost**?



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