

Secure Zones for Sunet Drive



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Barcelona CS3 2023
2023-03-08 11:00



Secure Zones – Background

Enterprise = Among other things: SSO

Nextcloud = Enterprise File Sync and Share

Sunet Drive = Nextcloud + S3 storage

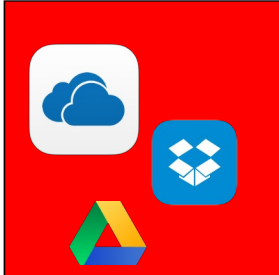

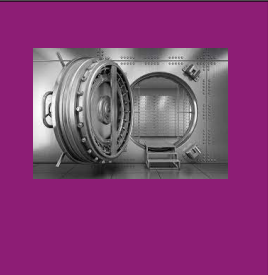

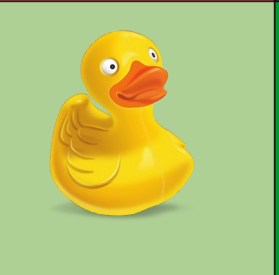


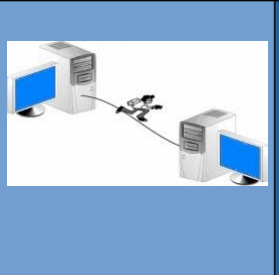

Very early customer feedback on MFA

Nextcloud does not supports MFA on SSO accounts

Sunet Drive += MFA



Secure Zones – Background

	User friendly	Neutral	Secure
Evil			
Neutral			
Good			



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Secure Zones – Technical Preview

Project in 6 steps:

1. Show a boolean flag from user_saml app in Nextcloud ✓
2. Create a Deny-All zone in Nextcloud ✓
3. Show boolean flag from gss client as well as from local passwordless + MFA ✓
4. In Files app, make MFA-only zone accessible if flag is set ✓
5. GUI for creating and viewing MFA-only zones ✓
6. Security Audit 🕒

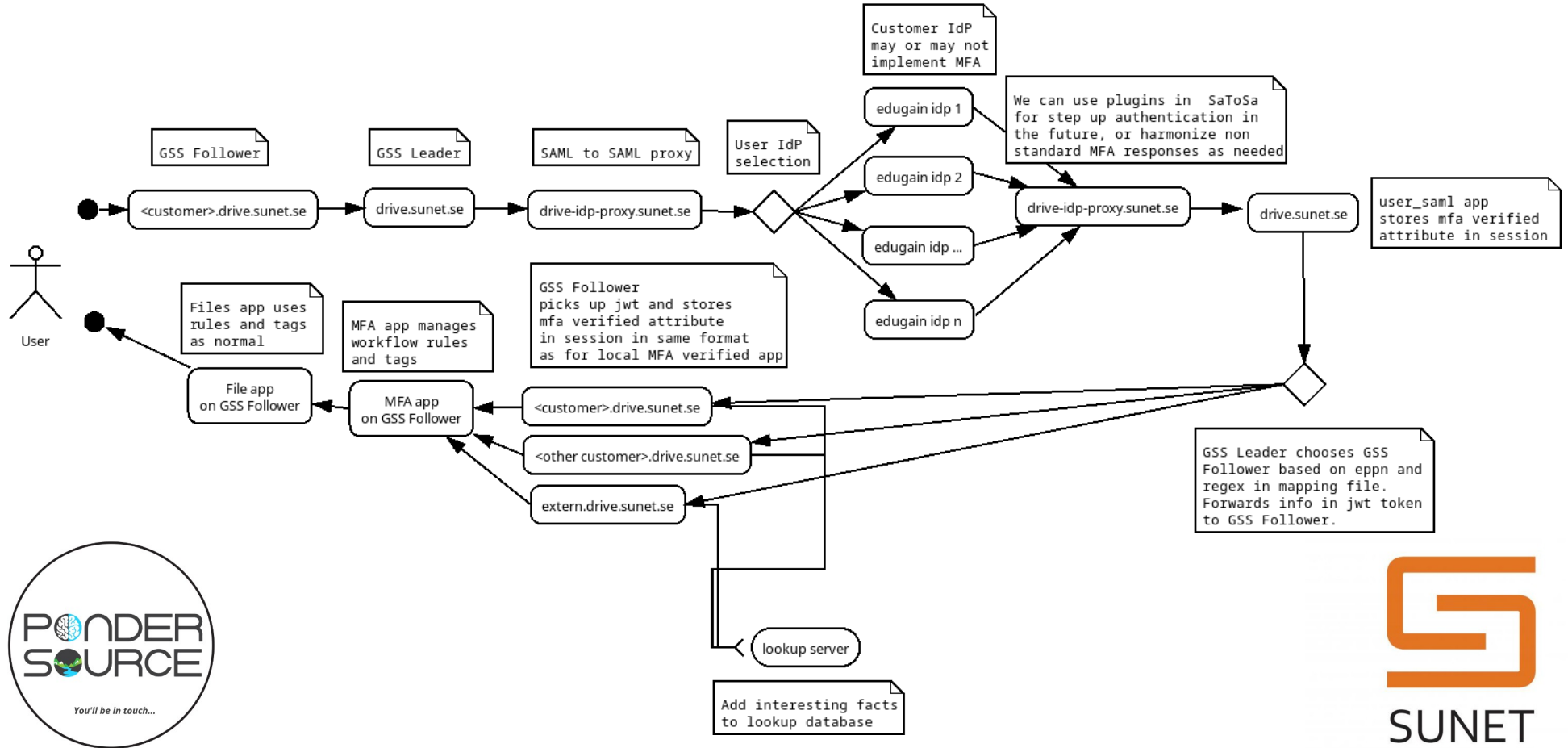


Secure Zones – Technical Preview

- MFA info comes in as SAML attribute
- Passes through Global Site Selector Leader / Follower
- Received in user_saml app
- Stored in a session variable
- Picked up by a Workflow Engine Rule
- Hidden tags mark folders as MFA Zones
- Extra drawer dialog tab in GUI to set/unset this tag



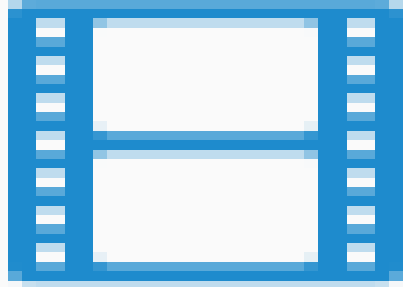
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VIDEO DEMO





Secure Zones – Technical Preview

QUESTIONS?

