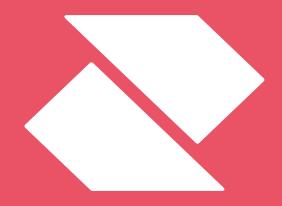




Social Voting for Santa



Henry Stamerjohann - Zentral



Hello Gothenburg

First time sponsor!

Zentral is a MDM

..that makes best open source tools easy to use

...so you don't have to build your own stack





MacSysAdmin 2023

We GitOps because its transparent

You need transparency for compliance

Mixed reviews:





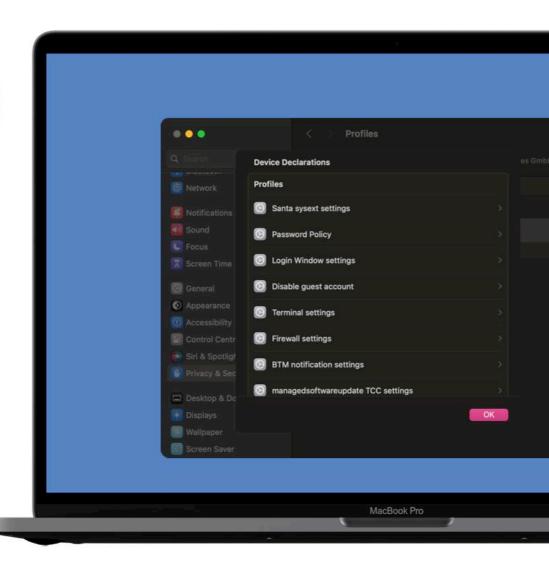
Marty McFly





GitOps made accessible!

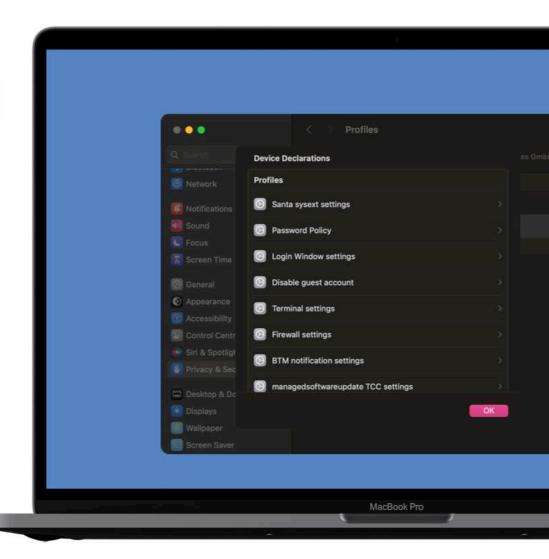






GitOps made accessible!

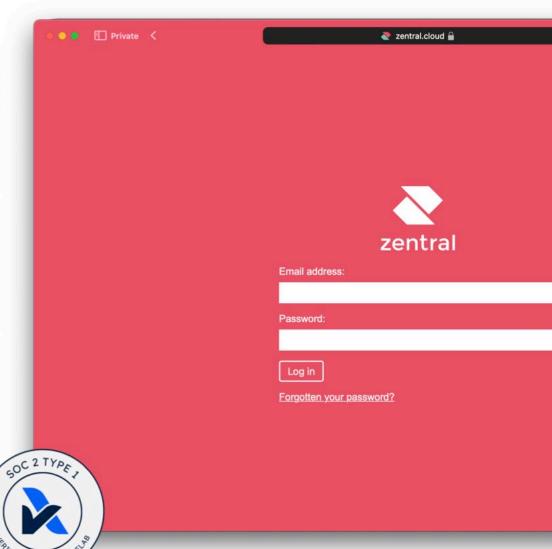
- Framework & Playbook
- Pre-populated with Standard Client
- Available as SaaS with SOC2
- Hit the ground running!





GitOps made accessible!

- Framework & Playbook
- Pre-populated with Standard Client
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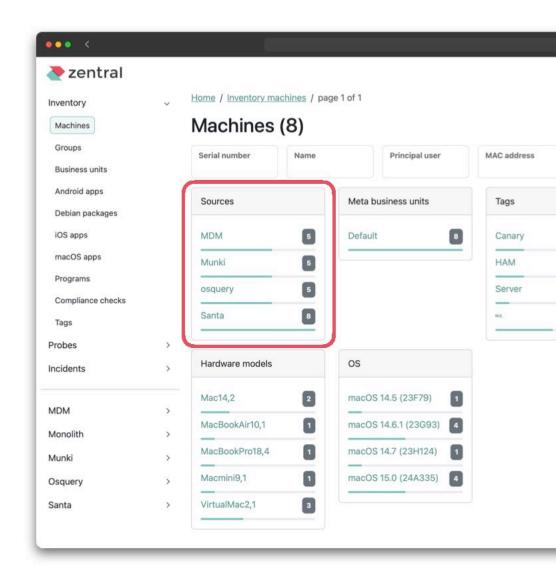




☆ Go with the Flow: Stay true to the source

☆ Integrations: Quality of life improvements where possible

☆ Visibility:

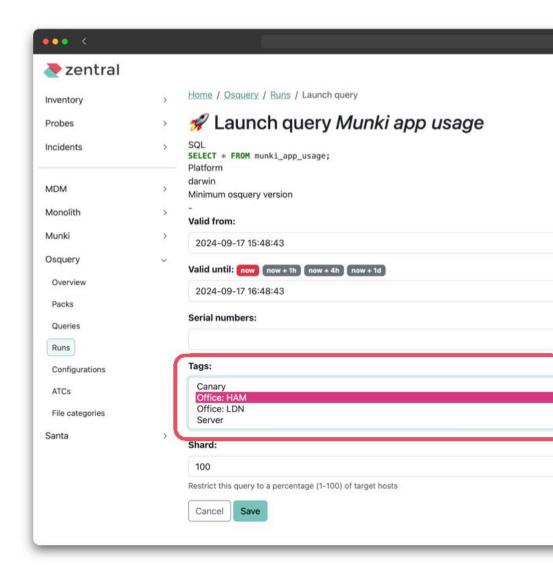




Go with the Flow: Stay true to the source

Integrations:
Quality of life improvements where possible

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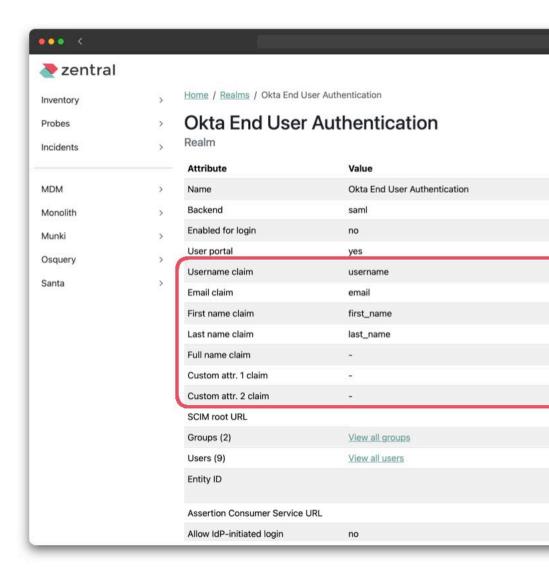




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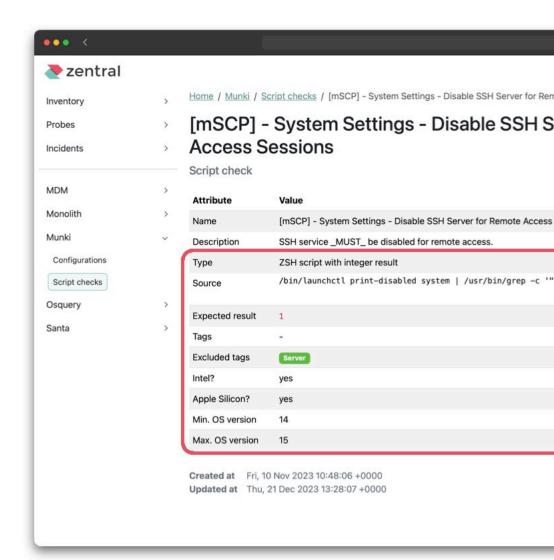




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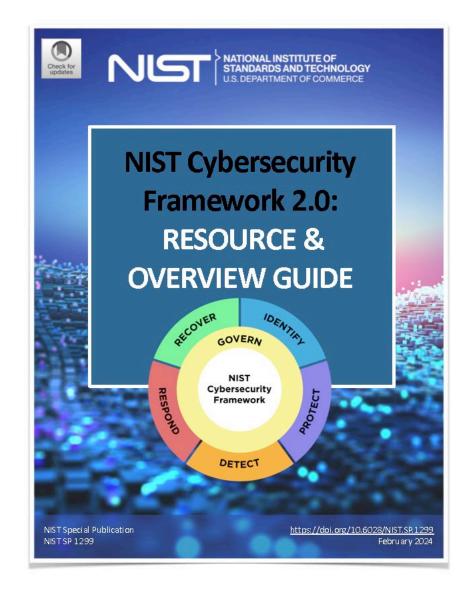




Security Posture

- Fundamentals: Identify, Detect, Protect
- Allowlisting:"Protect" best practice
- Challenges:

How to get to a quality custom Allowlist? Best way to handle user-bound exceptions?



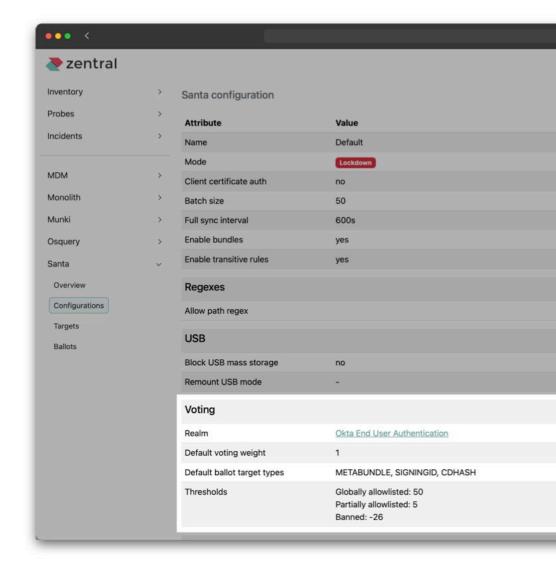


Upvote Reimagined



Upvote:

Scores apps with user votes Handles rule creation based on thresholds



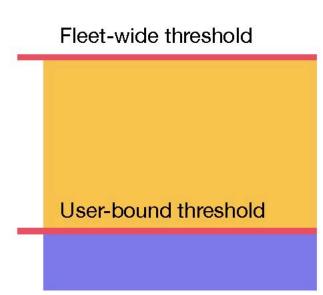


Upvote Reimagined



Upvote:

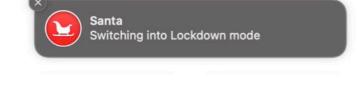
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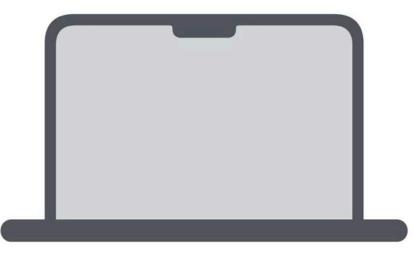




Social Voting

- Upvote the app
- Partially allowlisted
- Globally allowlisted





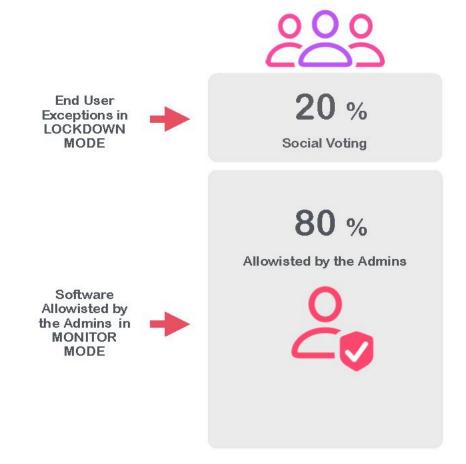


Social Voting

Walk before you run: Monitor Mode

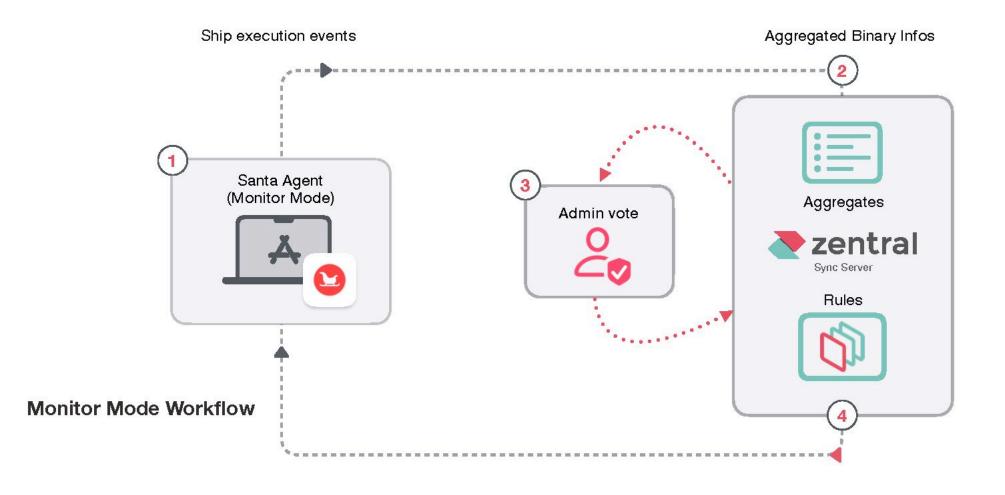
Admin task:
Allowlist most important Apps

Social Voting:
Users can cast a vote for App



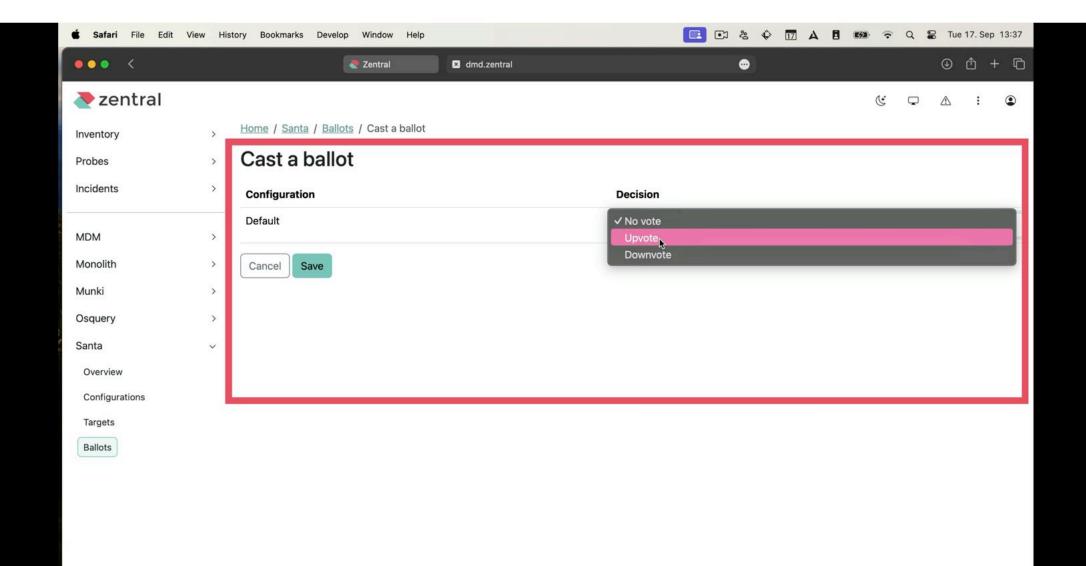


Preparing Your Allowlist



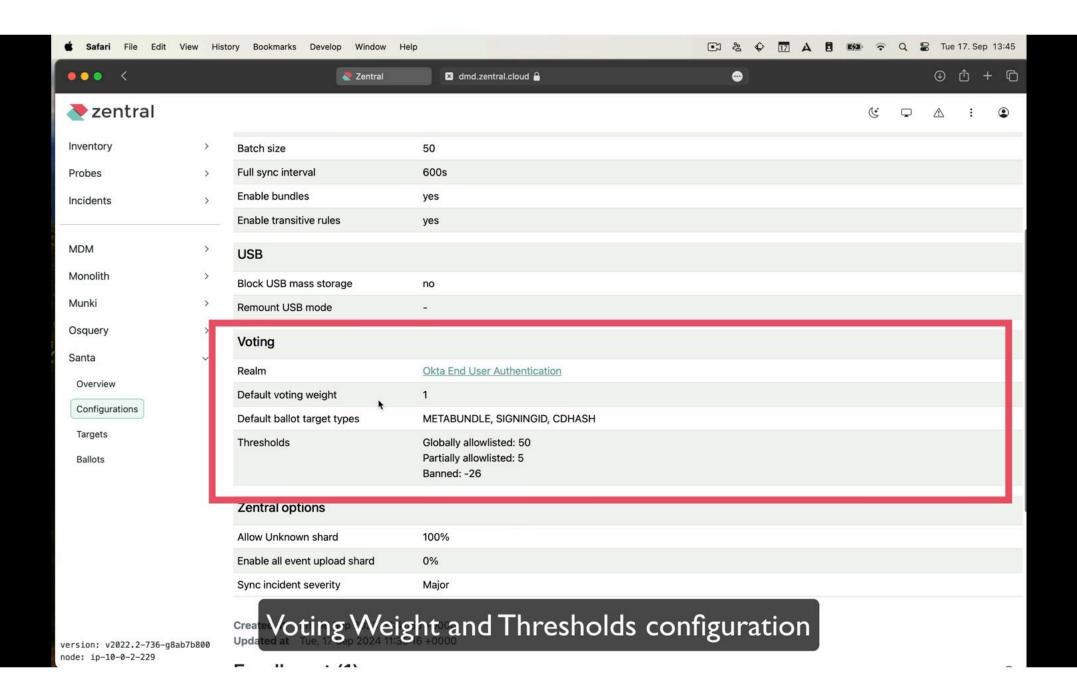


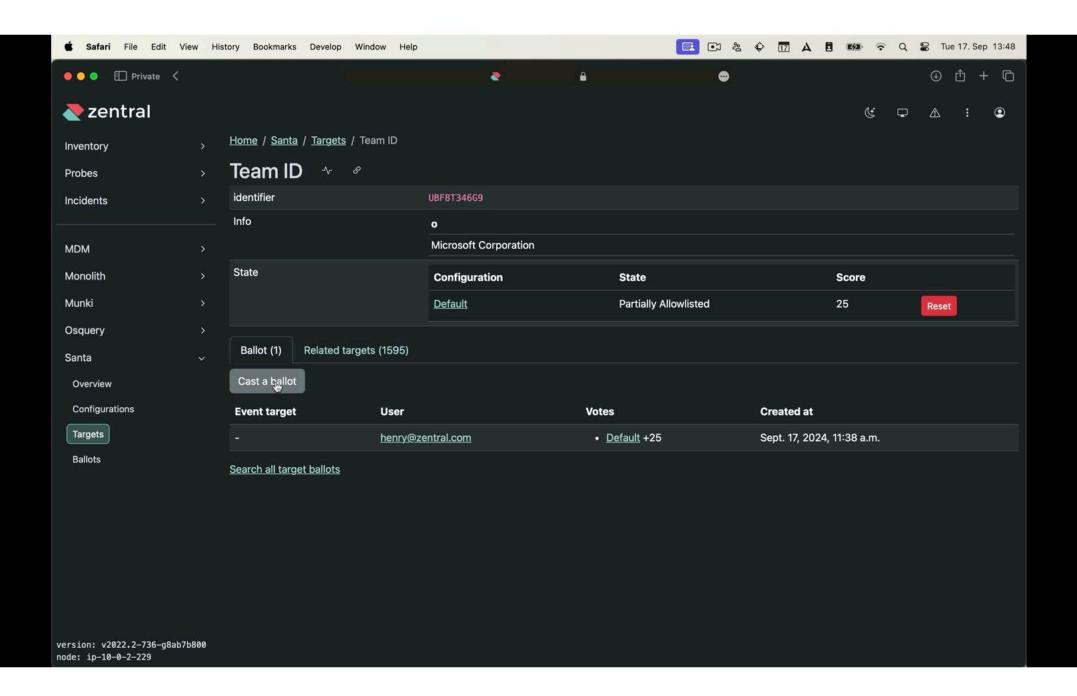
MONITOR MODE: Building the Allowlist



The administrator cast a ballot to "upvote"

version: v2022.2-736-g8ab7b800 node: ip-10-0-2-229

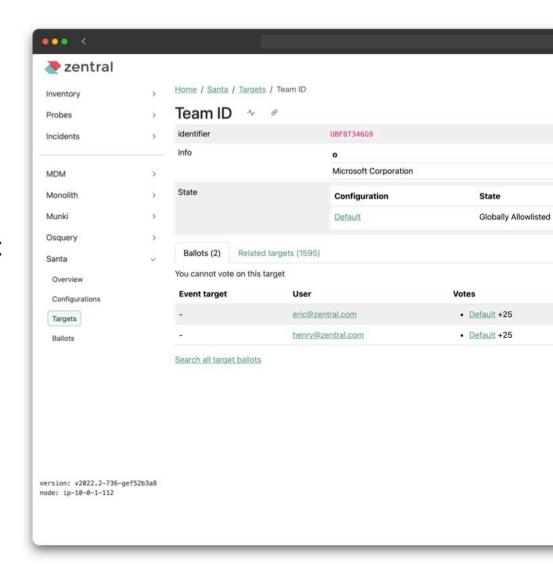






Key takeaways:

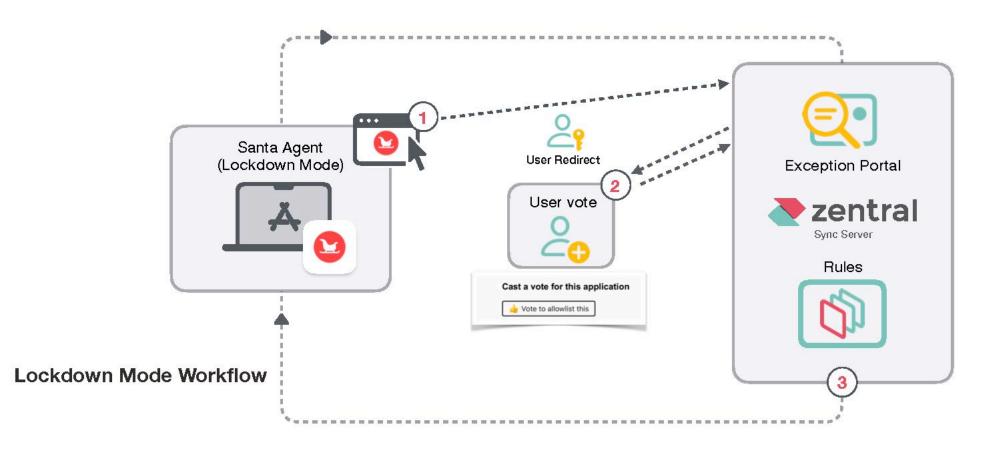
- Aggregates are for impact
- Stable identifiers are for lasting impact
- M Flexible weights allow peer review

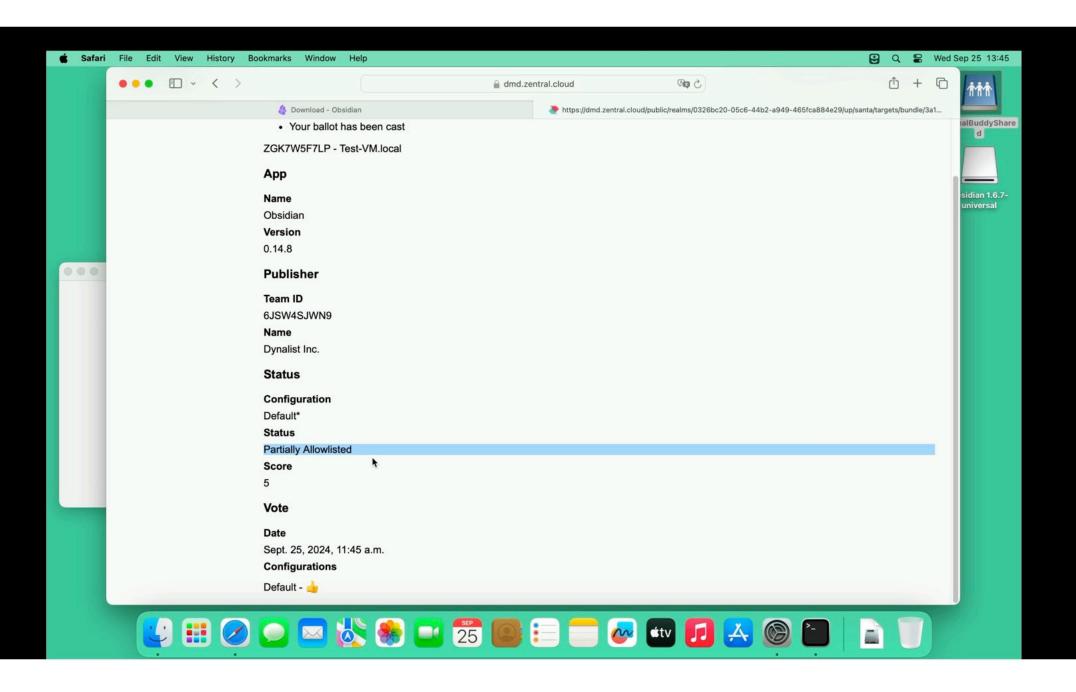




LOCKDOWN MODE: Social-Voting System

zentral Managing Exceptions for Users







Key takeaways:

- Social Voting
- Metabundles are persistent identifiers
- Complete audit trail of events

Voting	Google Workspace Login
Realm	Odegic No.
Default voting weight	1
Default ballot target types	METABUNDLE, SIGNINGID, CDHASH
Thresholds	Globally allowlisted: 50 Partially allowlisted: 5
	Banned: -26

```
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    'realm: '(pk': 'd9266c2-06-66-44b2-a949-465fca884e29'),
    'username': 'testuser4@example.com'),
    'username': 'testuser4@example.com'),
☆ ZK2170424H
  TestUser-5.local
  Sept. 18, 2024, 10:14 a.m.
                                                                               'replaced_by': Nome, 'cellesffd258belf156a5000898de80a4f634efc3ef6be9bd6a8c89e62a3087a', 'target': {'sha256': 'cellesffd258belf156a5000898de80a4f634efc3ef6be9bd6a8c89e62a3087a', 'target': {'sha256': METABLNDLE'}, 'metaBLNDLE'},
  90.187.243.17 - Mozilla/5.0
                                                                                {'created_at': '2024-09-18T10:10:45.150773',
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    'replaced_bb': Nome.
    TestUser-5.local
     santa ballot
      Sept. 18, 2024, 10:10 a.m.
                                                                                  'replaced_by': Nome, 'c9lle5ffd250be1f156a50000930de80a4f634efc3ef6be9bd6a0c89e62a3087a', 'target': {'sha256': 'c9lle5ffd250be1f156a50000930de80a4f634efc3ef6be9bd6a0c89e62a3087a', 'type': 'METABUNOLE'},
      90.187.243.17 - Mozilla/5.0
                                                                                  'type': 'NETADLENULE',
'testuserSpexample.com',
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'weight': 1}}
```



Summary

- Process from no allowlist to user voting
- Nhat's next?
- Zentral MDM + Zentral Santa (SaaS)

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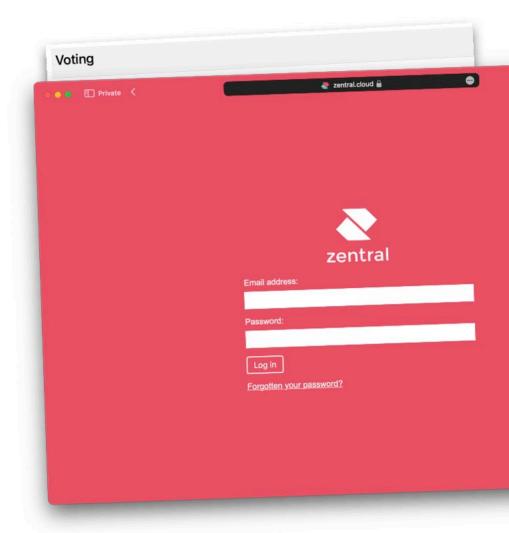
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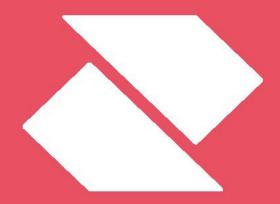
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- What's next?
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