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module overview

M4 PAM

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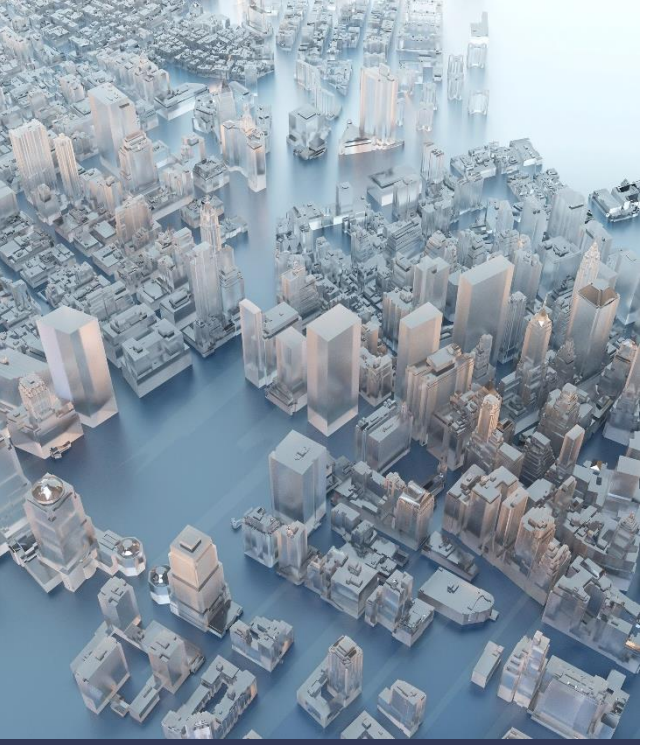
mamori for privileged access (M4PAM)

Protects servers, databases and data from unverified access and operations.



M4PAM

solution features

technical safeguards for

- Ransomware protection
- Data privacy compliance
- Privileged access

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mamori for privileged access management

protects

Servers, databases and data from unverified access and operations.

technical safeguards for

- security & data privacy compliance
- credential & key theft attacks
- data loss protection
- SQL injection protection
- zero trust (SSO 2FA) & least privilege security implementations

key features

- SSO & 2FA for SSH & databases
- key based SSH access
- record and playback sessions
- data privacy policies
- session & SQL firewall
- access on-demand workflow
- integrate with devops automation
- interactive access dashboards

key benefits

- Difficult to impersonate an account because of 2FA, SSO and key based SSH.
- Simplifies administration. Each server has a few service accounts, and mamori manages user access to those accounts.
- Users can visualize their own permissions and request if needed.

Secure Privileged Credentials & Data

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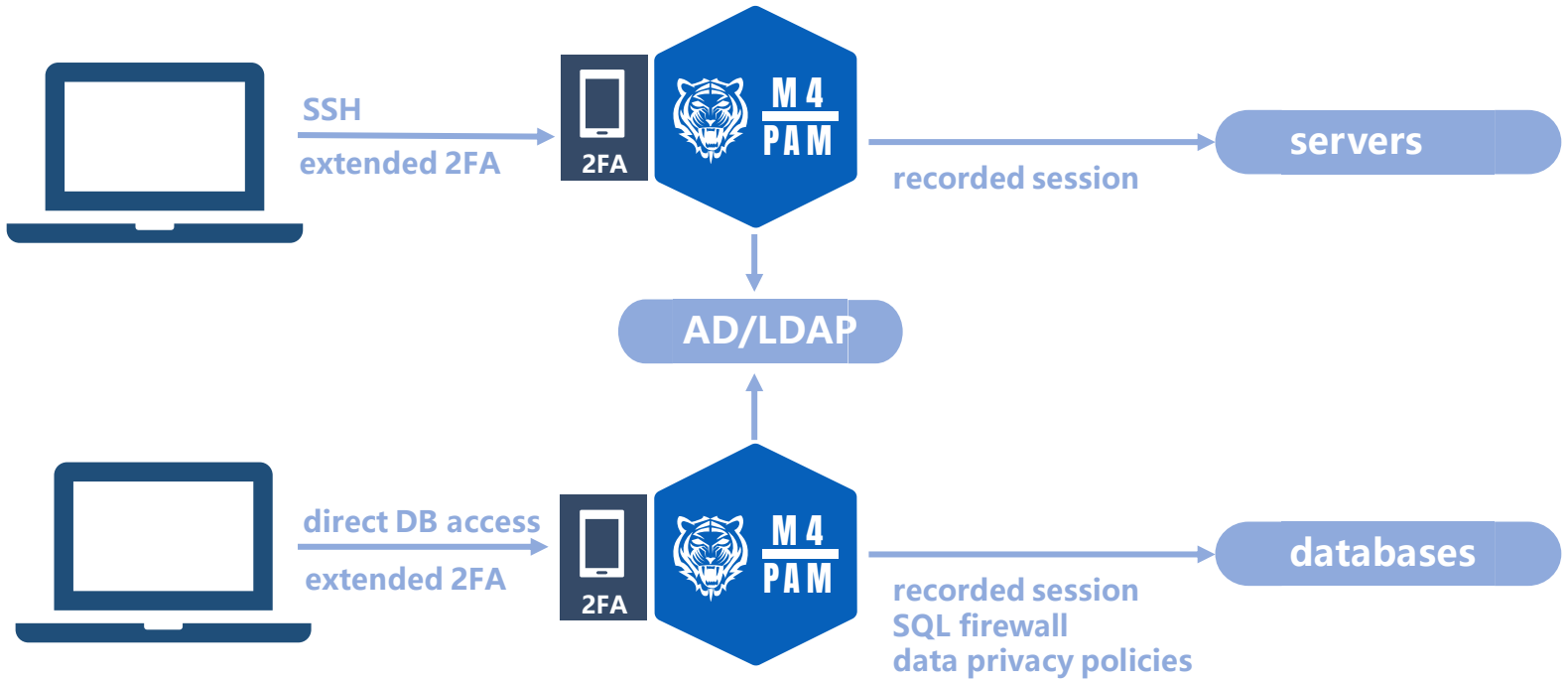
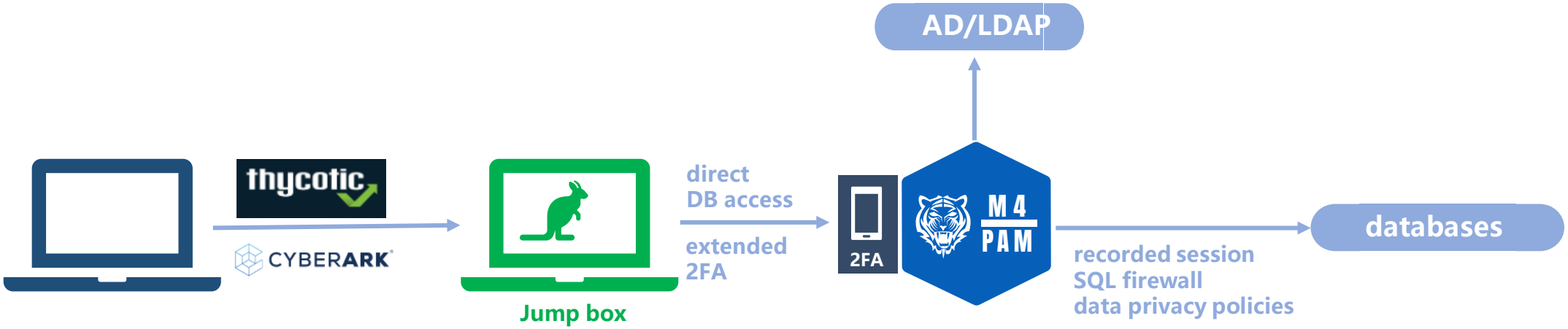
2FA/AD logins, sessions recorded & data privacy policies applied transparently



Compliment existing PAM

Existing PAMs protect passwords and servers. Mamori protects data



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comparison with traditional PAM solutions

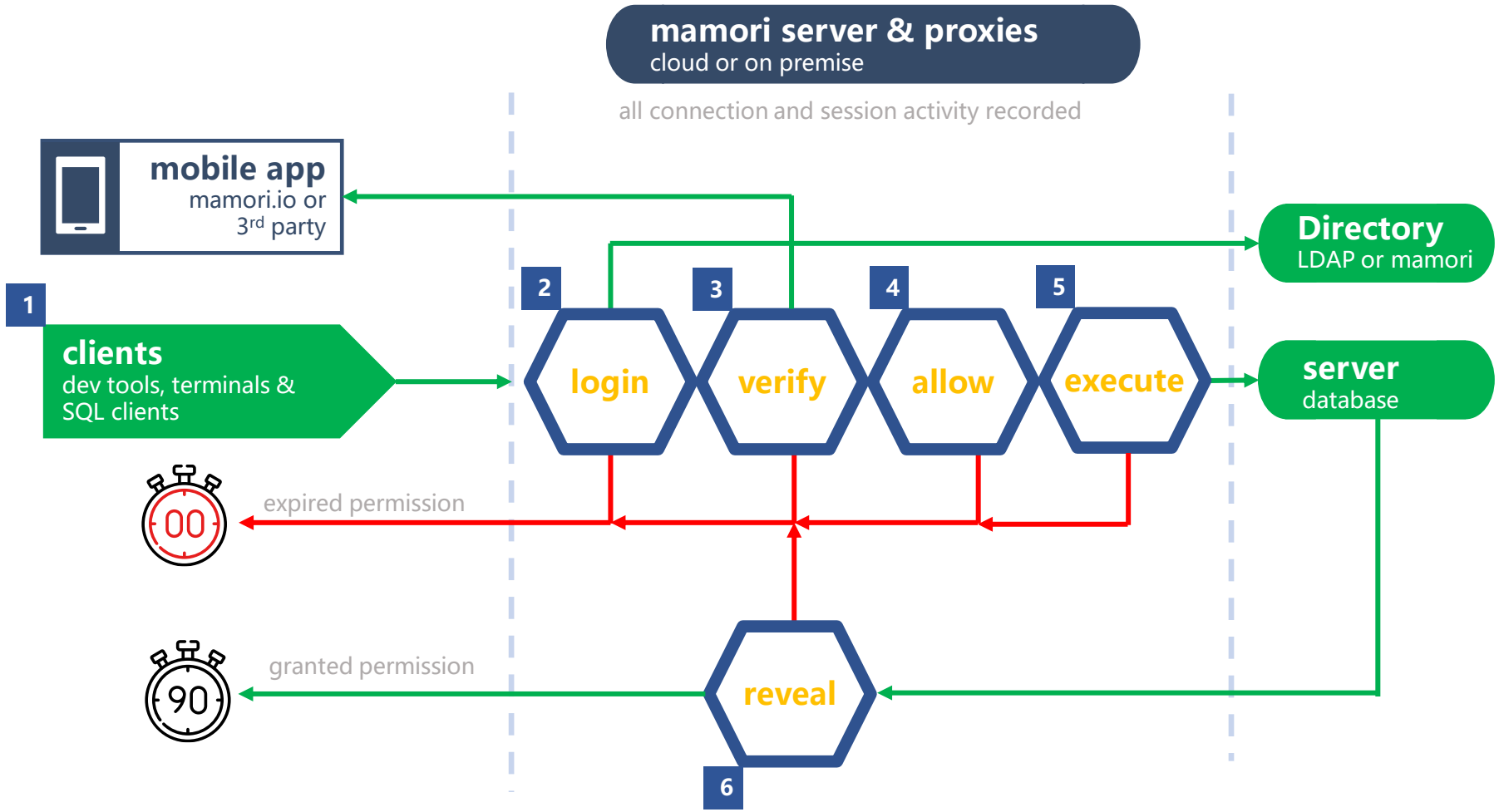
complement or replace

	M4 PAM	PAM solutions (thycotic / CYBERARK)
Access request – systems	✓	✓
data	✓	
Credential Management	DB only	✓
SSO & 2FA on resource access	✓	
RDP - access	✓	✓
session recording	✓	✓
SSH - access	✓	✓
recording	✓	✓
Database & Data - access	✓	
SQL Activity recording	✓	
DB Data masking & reveal	✓	
Application Data masking	✓	

database proxy

direct database

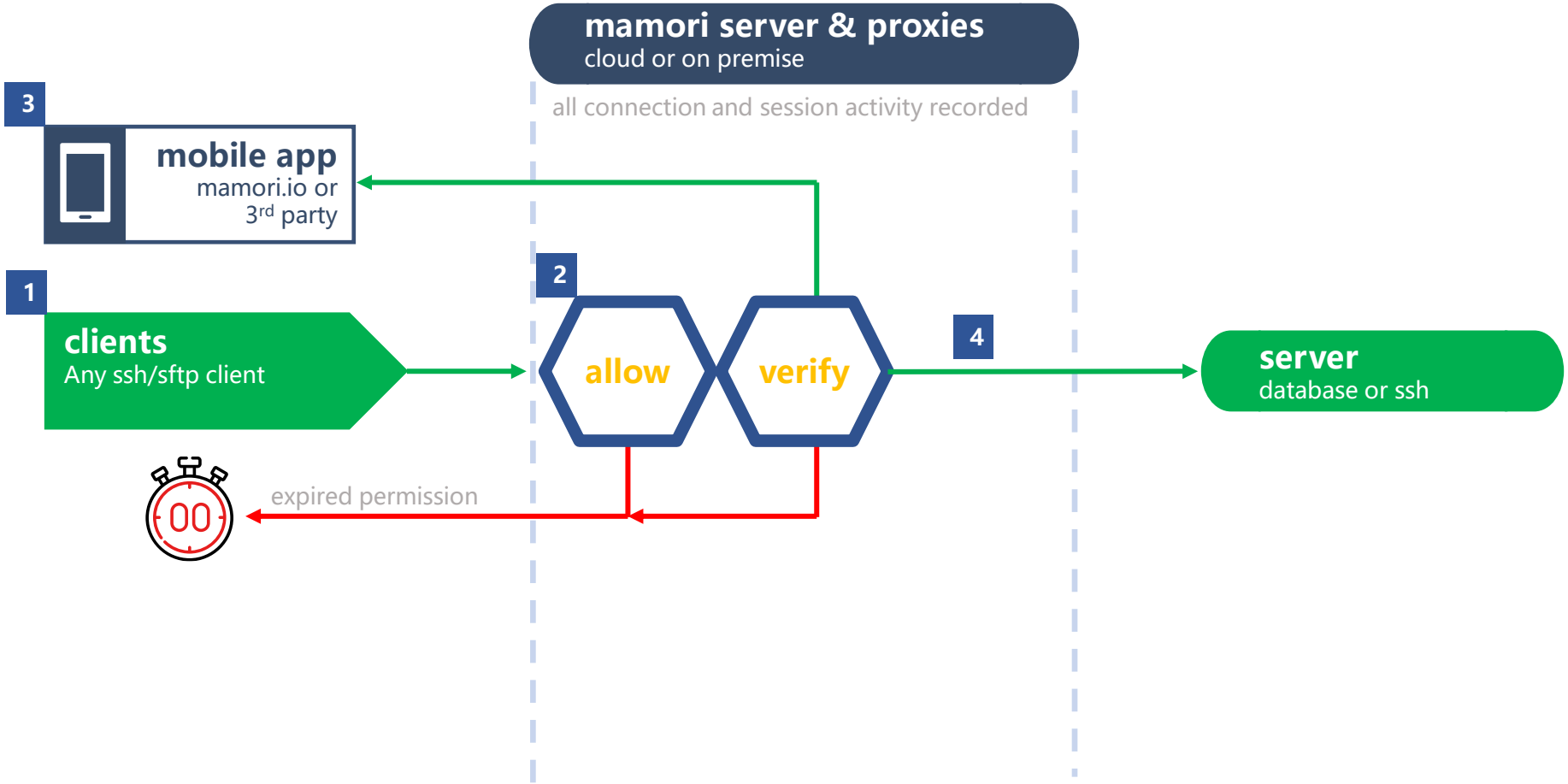
1. Connect to DB with an identity not a database credential
2. Directory Login
3. Multi-factor verification
4. Resource access check
5. Statement & object access permission check
6. Data and Row permission check



ssh proxy

ssh/sftp

1. **SSH to target**
2. **Public key check**
   client public key verified with user's public key on mamori server
3. **Multi-factor verification**
4. **Session to granted service account on target server is created**



Configuration

Server Configuration

1. Integrate directories & extend with 2FA
2. Add resources (databases, SSH and RDP logins)
3. Setup roles and access on-demand policies
4. Setup security policies
5. Setup data privacy policies

No agents
No changes databases or server
Nothing deployed on user machines

End-user Configuration

1. User configures 2FA via mamori web portal
2. User connects to resources via M4PAM server