Designing Secure Cloud-Native Multi-Tenant Jupyter Solutions

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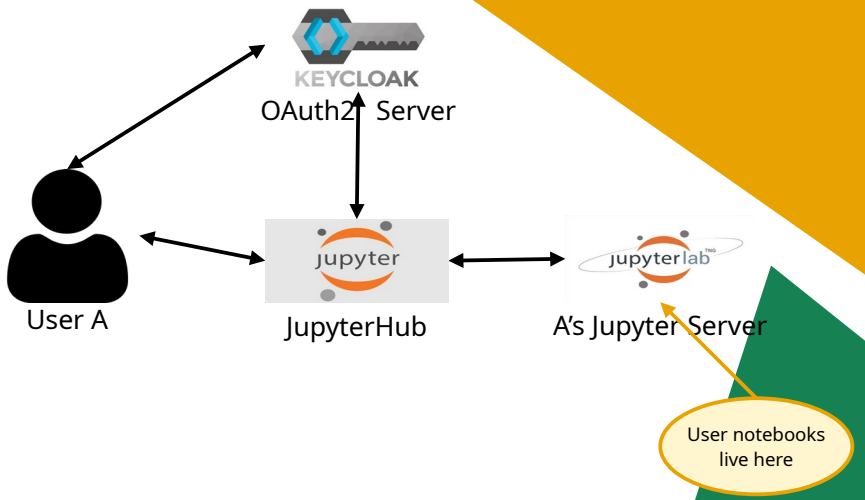
JupyterHub

Solves:

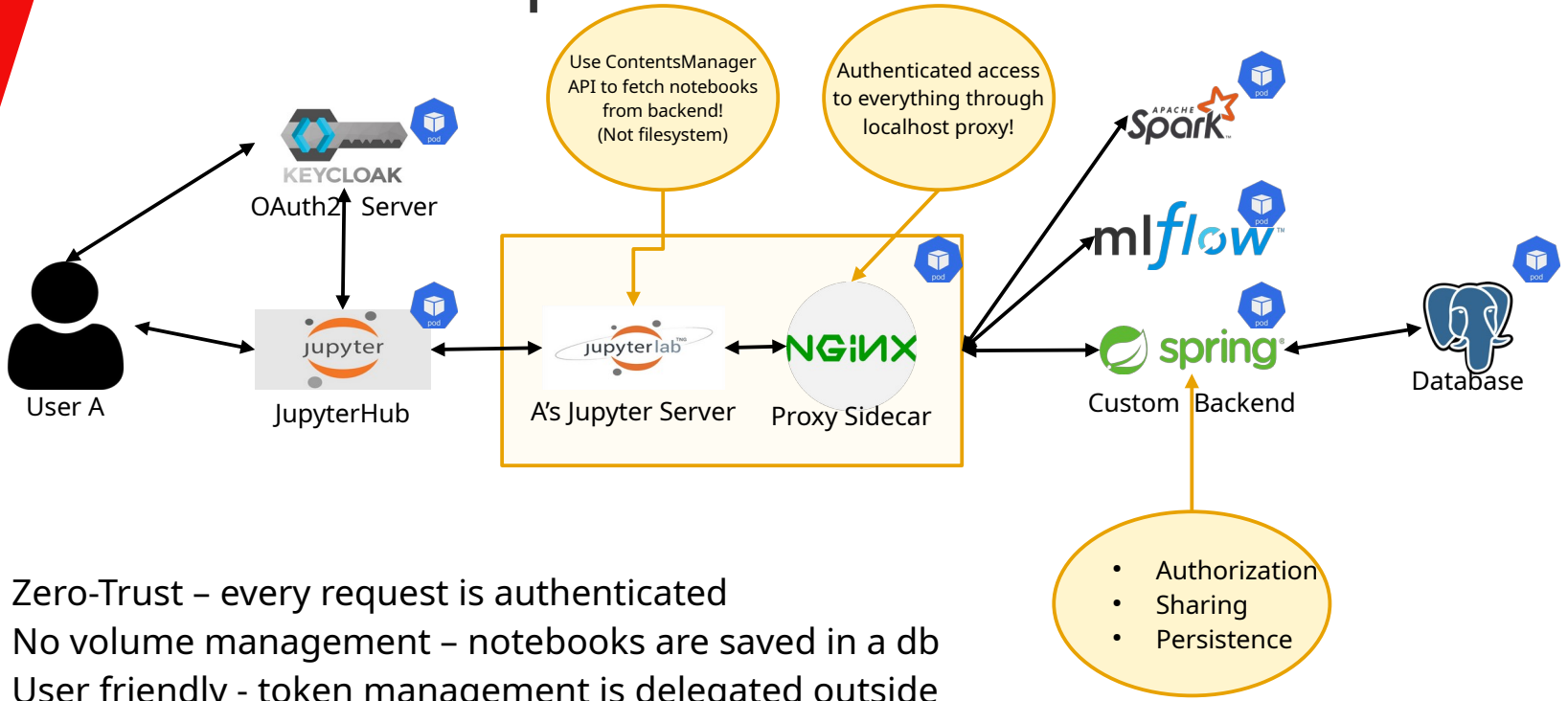
- User isolation
- Scalability
- Flexible authentication
- Customizable



Problems:

- Notebook persistence - Volumes?
- Notebook sharing – Shared volumes?
- Secure access to other systems

Updated Architecture



- Zero-Trust – every request is authenticated
- No volume management – notebooks are saved in a db
- User friendly - token management is delegated outside of userspace

Thank you for your attention!

Want to hear more? Catch me for a drink later! 🍻