

Mandatory Access Control in PostgreSQL - giving users ownership of their data

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Outline

- ▶ Motivation: taking data ownership seriously
- ▶ Features for users, administrators, and developers
- ▶ For users: ownership, insight and consent-based usage
- ▶ For administrators: fine-grained access control, audit information
- ▶ For developers: a rich REST API, with a built-in authorization model

Taking data ownership seriously

- ▶ the GDPR
 - ▶ increased focus on data privacy and protection
 - ▶ right to access
 - ▶ right to be forgotten
 - ▶ data portability
 - ▶ consent-based data usage
 - ▶ increased demand for audit information
- ▶ surveillance capitalism
 - ▶ “you (and your data) are the product”
 - ▶ building applications to fight this trend