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RBAC(Role-based access control)

RBAC is a security system that controls who can access a database or system based on their role in the organization.

Instead of giving permissions directly to each user, the system creates roles with specific permissions, and users are assigned to these roles.

For example, a database administrator might create roles like DB_Read for reading data and DB_Write for modifying data. Only people with the right role can read or change the information.

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RBAC(Role-based access control)

- **Roles:** A set of permissions associated with a job function (e.g., admin, manager, developer)
- **Permissions:** The rights granted to perform certain actions (e.g., read, write, delete).
- **Users:** Individuals who are assigned one or more roles.

Advantages:

- Makes it easier to manage permissions, especially in big systems.
- Lowers the risk of misuse by making sure users only have access to what they need for their role.
- Improves security and helps keep rules consistent across the system.