

Fineract CN service permission dependencies

Each service has a set of permissions defined. When a service access another service, the user needs those permissions too. Each permission can come in the flavors READ, WRITE, and DELETE. If you give a user a permission in a service, you should give them all the permissions in the other services that one permission depends on. This page documents those permissions and their dependencies to make this easier:

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provisioner

All provisioner endpoints are permissioned as system permissions. The provisioner provides no other permissions, and no service depends on provisioner permissions.

identity

Identity does not depend on other services.

identity__v1__users

flavors: READ, WRITE

identity__v1__roles

flavors: READ, WRITE, DELETE

identity__v1__self

A user's ability to change their own password, and to permit services to act on their behalf. This permission cannot be withdrawn.

flavors: READ, WRITE, DELETE

identity__v1__app_self

A service's ability to request permissions to other services

flavors: READ, WRITE

rhythm

All rhythm endpoints have system permissions. Creating a beat for a tenant requires the `identity__v1__app_self` permission.

accounting

Accounting does not depend on other services.

accounting__v1__ledger

flavors: READ, WRITE, DELETE

accounting__v1__account

flavors: READ, WRITE, DELETE

accounting__v1__journal

flavors: READ, WRITE

accounting__v1__tx_types

flavors: READ, WRITE

accounting__v1__income_stmt

flavors: READ

accounting__v1__fin_condition

flavors: READ

office

The office service relies on the user ids from identity, but does not access any other services. Office is not dependent on any other permissions.

office__v1__offices

flavors: READ, WRITE, DELETE

office__v1__employees

flavors: READ, WRITE, DELETE

office__v1__self

The ability for an employee to edit their own details including contact details.

flavors: READ, WRITE, DELETE

customer

The customer service is not dependent on any other services.

customer__v1__customer

flavors: READ, WRITE

customer__v1__portrait

flavors: READ, WRITE, DELETE

customer__v1__identifications

flavors: READ, WRITE, DELETE

customer__v1__task

flavors: READ, WRITE

catalog__v1__catalog

The ability to add custom properties for customers.

flavors: READ, WRITE, DELETE

group

Permission modeling of the group service is incomplete.

deposit-account-management

Depends on the services rhythm, accounting, and customer. The dependency to rhythm has no influence on configurable permissions.

deposit__v1__definition

flavors: READ, WRITE, DELETE

deposit__V1__definition.READ

- accounting__v1__account.READ
- accounting__v1__ledger.READ

portfolio__v1__definitions.WRITE

- accounting__v1__account.READ
- accounting__v1__ledger.READ
- accounting__v1__journal.WRITE

deposit__v1__instance

flavors: READ, WRITE

deposit__v1__instance.READ

- accounting__v1__account.READ

deposit__v1__instance.WRITE

- accounting__v1__account.WRITE
- accounting__v1__ledger.READ

portfolio

Depends on the services rhythm, accounting, and customer. The dependency to rhythm has no influence on configurable permissions.

portfolio__v1__products__enable

flavors: READ, WRITE

portfolio__v1__products__enable.WRITE requires

- accounting__v1__account.READ
- accounting__v1__ledger.READ

portfolio__v1__products__enable.READ requires

- accounting__v1__account.READ
- accounting__v1__ledger.READ

portfolio__v1__products__lossprv

flavors: READ, WRITE

portfolio__v1__products

flavors: READ, WRITE, DELETE

portfolio__v1__case

flavors: READ, WRITE

portfolio__v1__case.WRITE dependent on:

- customer__v1__customer.READ
- accounting__v1__journal.WRITE

- accounting__v1__ledger.WRITE
- accounting__v1__ledger.READ

teller

teller__v1__management

flavors: READ, WRITE, DELETE

teller__v1__management.READ

- office__v1__offices.READ
- accounting__v1__account.READ

teller__v1__management.WRITE

- office__v1__offices.READ
- office__v1__offices.WRITE
- office__v1__employees.READ
- accounting__v1__account.READ
- accounting__v1__journal.WRITE

teller__v1__operation

flavors: READ, WRITE

teller__v1__operation.WRITE

- office__v1__employees.READ
- accounting__v1__account.READ
- accounting__v1__journal.WRITE
- deposit__v1__definition.READ
- deposit__v1__instance.READ
- deposit__v1__instance.WRITE
- cheques__v1__management.READ
- cheques__v1__transaction.WRITE
- portfolio__v1__case.READ
- portfolio__v1__case.WRITE

cheques

cheques__v1__management

flavors: READ, WRITE

cheques__v1__management.WRITE

- accounting__v1__journal.READ
- accounting__v1__journal.WRITE

cheques__v1__transaction

flavors: READ, WRITE

cheques__v1__transaction.READ

- office__v1__offices.READ
- accounting__v1__account.READ
- accounting__v1__journal.WRITE

payroll

payroll__v1__configuration

flavors: READ, WRITE, DELETE

payroll__v1__configuration.WRITE

- customer__v1__customer.READ
- account__v1__account.READ

payroll__v1__distribution

payroll__v1__distribution.WRITE

- customer__v1__customer.READ
- account__v1__account.READ
- accounting__v1__journal.WRITE

reporting

Reporting does not depend on other services.

reporting__v1__general

flavors: READ, WRITE