

Development · Coding Standards

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Coding standards

Conventions for PHP/Laravel work in this CRM.

Style

- Use **Laravel Pint** (default Laravel preset; no custom `pint.json` in repo).
- Run before commit:

```
vendor/bin/pint
```

CI should use `vendor/bin/pint --test` (**Recommended** — see [CI/CD](#)).

PHP / Laravel

- PHP 8.2+ features are fine (enums, readonly DTOs already used in Channels).
- Prefer constructor property promotion and explicit return types on new code.
- Keep controllers thin; put domain logic in `app/Services`.
- Use Form Requests for non-trivial validation.
- Authorize via policies / `$this->authorize` / `@can` / permission middleware.

Tenancy rules

1. Models with tenant data should use `BelongsToCompany`.
2. Do not bypass `CompanyScope` unless required (webhooks, Super Admin tools).
3. After `withoutCompanyScope()` lookups, set `CurrentCompany` before tenant writes.
4. Never trust client-provided `company_id` for authz.

RBAC rules

1. New abilities → `config/permissions.php` then `php artisan permissions:sync`.
2. Slugs are `{action}.{module}`.
3. Update `RbacSeeder` defaults when a permission should ship to `sales/admin`.
4. Cover allow + deny in Feature tests.

Channels rules

1. New providers need an adapter implementing `ChannelAdapter` **and** registration in `ChannelServiceProvider`.
2. Listing a key in `config/channels.php` alone only exposes UI — mark docs as Planned until registered.
3. Webhook HTTP handlers must stay fast; enqueue work on `channels`.
4. Store secrets encrypted on `channel_connections`.

Testing

- PHPUnit 11 (tests/Unit, tests/Feature).
- Prefer Feature tests for HTTP + tenancy + permissions.
- Fake HTTP for Meta Graph (`Http::fake()`).
- `Queue::fake()` when asserting dispatch without processing.

```
php artisan test
# or
composer test
```

Comments

- Do not narrate obvious code.
- Comment only non-obvious constraints (Meta quirks, tenancy escape hatches, migration MySQL limits).

Related

- [Contributing](#)
- [Architecture](#)