

How do I create a custom report?

To create and register a custom report you need to use the **Aero\Admin\AdminReport** facade inside of your app service providers boot method or module service providers setup method.

The facade requires a class that extends **Aero\Admin\Reports\Report**. Additionally, you can provide a title and summary (shown in the reports list in the admin) and any permissions required to use the report.

```
<?php

namespace Acme\MyModule;

use Acme\MyModule\Reports\OrdersReport;
use Aero\Admin\AdminReport;
use Aero\Common\Providers\ModuleServiceProvider;

class ServiceProvider extends ModuleServiceProvider
{
    public function setup()
    {
        AdminReport::create(OrdersReport::class)
            ->title('Simple Orders Report')
            ->summary('View a simple report for your orders')
            ->permissions('orders.view');
    }
}
```

Your report class must implement a **newQuery** method that must return a **Illuminate\Database\Eloquent\Builder**. This method provides the query your report will run from.

```
<?php

namespace Acme\MyModule\Reports;
```

```
use Aero\Admin\Reports\Report;
use Aero\Cart\Models\Order;
use Illuminate\Database\Eloquent\Builder;

class OrdersReport extends Report
{
    protected function newQuery(): Builder
    {
        return Order::with([
            'status', 'items', 'currency', 'discounts', 'payments.method',
        ]);
    }
}
```

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