

# How to paginate API search results

## Version compatibility

This recipe is compatible with **eZ Publish 5.2 / 2013.11**

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## Description

When listing content (e.g. blog posts), pagination is a very common use case and is usually painful to implement by hand.

For this purpose eZ Publish 5 recommends the use of [Pagerfanta library](#) and [proposes adapters for it](#).

## Usage

```

<?php
namespace Acme\TestBundle\Controller;

use eZ\Publish\Core\Pagination\Pagerfanta\ContentSearchAdapter;
use Pagerfanta\Pagerfanta;
use eZ\Bundle\EzPublishCoreBundle\Controller;
use eZ\Publish\API\Repository\Values\Content\Query\Criterion\ContentTypeIdentifier;
use eZ\Publish\API\Repository\Values\Content\Query;

class DefaultController extends Controller
{
    public function myContentListAction()
    {
        // First build the search query.
        // Let's search for folders, sorted by publication date.
        $query = new Query();
        $query->criterion = new ContentTypeIdentifier( 'folder' );
        $query->sortClauses = array( new SortClause\DatePublished() );

        // Initialize the pager.
        // We pass the ContentSearchAdapter to it.
        // ContentSearchAdapter is built with your search query and the SearchService.
        $pager = new Pagerfanta(
            new ContentSearchAdapter( $query,
$this->getRepository()->getSearchService() )
        );
        // Let's list 2 folders per page, even if it doesn't really make sense ;-)
        $pager->setMaxPerPage( 2 );
        // Defaults to page 1 or get "page" query parameter
        $pager->setCurrentPage( $this->getRequest()->get( 'page', 1 ) );

        return $this->render(
            'AcmeTestBundle::my_template.html.twig',
            array(
                'totalFolderCount' => $pager->getNbResults(),
                'pagerFolder' => $pager
            )
        );
    }
}

```

### my\_template.html.twig

```
{% extends noLayout ? viewbaseLayout : "AcmeTestBundle::pagelayout.html.twig" %}

{% block content %}
    <h1>Listing folder content objects: {{ totalFolderCount }} objects found.</h1>

    <div>
        <ul>
            {# Loop over the page results #}
            {% for folder in pagerFolder %}
                <li>{{ ez_content_name( folder ) }}</li>
            {% endfor %}
        </ul>
    </div>

    {# Only display pagerfanta navigator if needed. #}
    {% if pagerFolder.haveToPaginate() %}
        <div class="pagerfanta">
            {{ pagerfanta( pagerFolder, 'twitter_bootstrap_translated', {'routeName':
location} ) }}
        </div>
    {% endif %}
{% endblock %}
```

For more information and examples, have a look at [PagerFanta documentation](#).

## Adapters

Adapter class name	Description
eZ\Publish\Core\Pagination\Pagerfanta\ContentSearchAdapter	Makes the search against passed Query and returns <a href="#">Content</a> objects.
eZ\Publish\Core\Pagination\Pagerfanta\ContentSearchHitAdapter	Same as ContentSearchAdapter but returns instead <a href="#">SearchHit</a> objects.