Demystifying Collections, Info Templates, Collection Pages, and Display Pages

Delivering Content Efficiently with the Power of Collections



Lead Sales Engineer Wesley Kempa

WESLEY KEMPA | @kempawes

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Before Collections and Collection Displays

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Before Collections and Collection Displays

Then and Now

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Comparing Options



Supports low-code/no-code templating

Supports client side, post query, filtering

Supports personalization of rendered content

Supports collection pages

Supports content pages

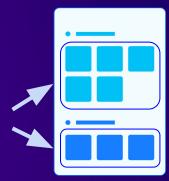
Collection Delivery Approaches

Collection Pages

Collection Display Fragments

Headless APIs for Collections



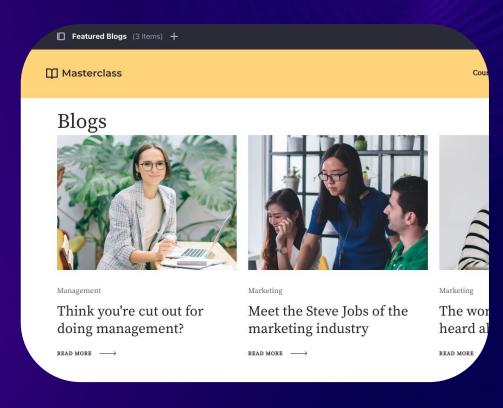




Collections Framework Collection Pages

A Collection Page links a page to a Collection. Collection Pages include Collection Display Fragments as part of the page.

- Makes it easy for authors to create more content of this type (add button)
- Additional widgets and fragments can be added to a collection page



Collections Framework Collection Display Fragment

A Collection Display fragment shows a Collection in a Content Page and can be configured to display a chosen Collection in any desired style or layout.

- Content mapping surfaces the dynamic content
- Not available for widget pages

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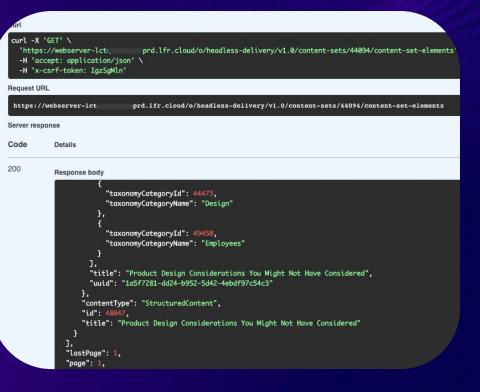
Collections Framework Headless Delivery

Liferay provides fully OpenAPI compliant API services for most of its applications.

Includes both REST and GraphQL

Collection assets are available from /content-sets/

- By KEY or UUID
- From Site or Asset Library



Collections Display Components

Fragments

Information Templates

Display Pages







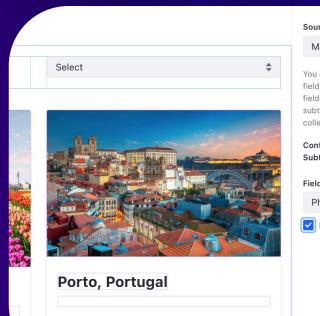


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Content Delivery Components Fragments

Page Fragments are the building blocks for Content, Collection, and Display Pages. They're made from the three components of web pages: CSS, HTML, and JavaScript.

- Allow configuration and mapping
- Can be added inside of Collection Display Components
- Not available for widget pages



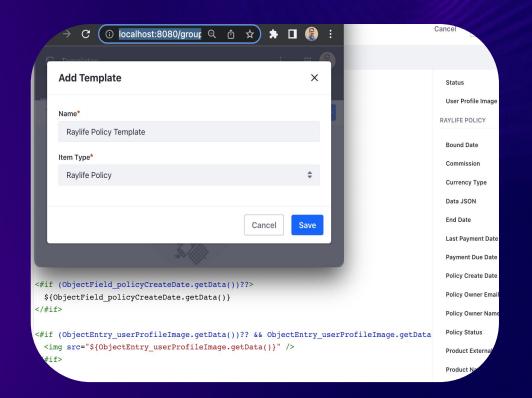
View this destination

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can use mapping to display specifi is of the items in the collection. The is available depend on the type and type common to all items in the action.	Э	
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Ł		
hoto	\$	
Enable Lazy Loading		

Content Delivery Components Information Templates

With Information Templates, you can create FreeMarker templates for any item type that implements the Info Framework.

- Entities can have multiple information templates
- Same fields available as for mapping in page editor



Content Delivery Components Display Pages

Display pages act as the default template for displaying specific content types.

 Map assets or asset types to display pages

 Use low-code and no-code page building to define the user experience Project Manager Certification

This is a short description to introduce the key aspects of the course.



Course Program

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Duration: 4 weeks				
Max Retakes: 2				
Pass Percentage: 90%				
Lessons: 9				
Quizzes: 3				

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Module 3

Additional Delivery Options

Custom Collection Providers

Collection Filters

Personalized Collections







More Delivery Options Custom Collection Providers

Custom Collection Providers can be developed in order to meet specific business requirements

 Add a collection provider by implementmenting the InfoCollectionProvider interface

 Define included assets, order, and personalization

ts InfoCollectionProvider<AssetEntry> {

dauthor Pavel Savinov

@Component(service = InfoCollectionProvider.class)
public class ExampleCollectionProvider
 implements InfoCollectionProvider

@Override
public InfoPage<AssetEntry> getCollectionInfoPage(
 CollectionQuery collectionQuery) {

ServiceContext serviceContext =
 ServiceContextThreadLocal.getServiceContext();

```
AssetEntryQuery assetEntryQuery = getAssetEntryQuery(
    serviceContext.getCompanyId(), serviceContext.getScopeGroupId(),
    collectionQuery.getPagination(), new Sort[["viewCount", true]],
    new Sort("title", true));
```

```
try {
```

return InfoPage.of(
 _assetEntryService.getEntries(assetEntryQuery),
 collectionQuery.getPagination(),
 _assetEntryService.getEntriesCount(assetEntryQuery));

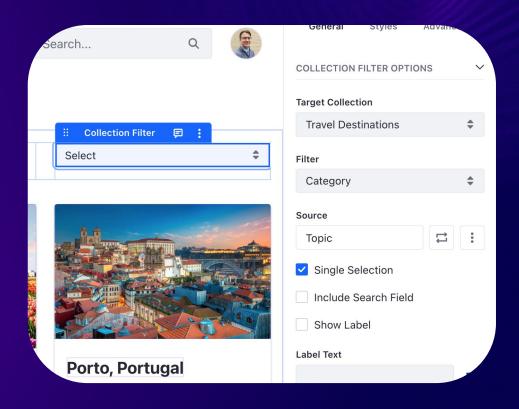
catch (Exception exception) {
 _log.error("Unable to get asset entries", exception);

return InfoPage.of(Collections.emptyList(), collectionQuery.getPagination(), 0);

More Delivery Options Collection Filters

To improve the experience for Users viewing Collections on your Site, you can add Page Fragments to filter content in those Collections.

- Custom Collection Filter Modules can be developed by implementing the following interfaces:
 - InfoFilter
 - InfoFilterProvider
 - FragmentCollectionFilter



More Delivery Options Personalized Collections

Personalized collections allow you to quickly deliver targeted content to user segments

- You can create a Personalized Variation of the Collection's items using Segments.
- More features in development!

C < Travel Destinations

PERSONALIZED VARIATIONS

Create personalized variations of the collections for different segments. The order on the list affects the priority of the variations. The top has the highest priority.

Staff	* *
Conference Attendees	:
Frequent Travelers	*
Anyone	0 0 0

Anyone : SOURCE Item Type Web Content Article Item Subtype Travel Destination Filter by Field Select





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