

# Episerver Find User Guide





© Episerver 2018

Episerver Find User Guide 18-5

## Table of contents

Introduction	7
Features, licenses and releases	
Copyright notice	8
What's new?	10
Legacy documentation	10
Episerver Find	12
Find feature summary	13
Features in "standard" Find	14
Features in Find Connections Edition	14
Help in Find	14
What is search optimization?	
Learn by doing	16
The new website	17
The growing website	17
Automatic search optimization	17
Automatic landing pages	17
Adaptive navigation	
Guided search	
Optimizing search manually	19

Search phrase does not match wording in content	19
Promote selected content	19
Visitors are not clicking search result links	
No search results returned because the content is missing	20
Content searched for is not on your website but visitors assume it is	<b>s</b> 20
Returned results do not contain the search phrase	20
Relevant content is found but not displayed at the top	20
Analyzing search statistics	21
Manually optimizing search results	24
The optimization view	24
What to look for	25
Promoting content using best bets	26
Adding best bets	28
Editing best bets	30
Deleting best bets	30
Effect of publication and expiration dates on best bets	
Best bets for catalog entries	31
Adding related queries	33
Adding synonyms for similar phrases	35
Unidirectional versus bidirectional synonyms	
Example	

Keywords versus synonyms	37
Adding Synonyms	37
Autocomplete	
Sources of autocomplete suggestions	
Adding, editing and deleting autocomplete phrases	41
Changing the order of autocomplete phrases	41
Optimizing multiple sites and languages	43
Filtering on websites and languages	43
Find indexes	43
How content from different languages appears in search results .	44
Language analyzers versus CMS content language	44
Examples of multiple websites and languages	45
Configuring Find	50
Boosting results through properties	51
Changing weight settings	51
Notes about changing weight settings	52
Clearing the index and reindexing	53
Clearing the index	53
Re-indexing the website	54
Removing statistics	54
Adding connectors	55

Configuring connectors	55
Viewing connectors and indexing jobs	57
Exploring the index	58
Reviewing the index overview screen	58
Reviewing the Explore screen	59
Access rights	60
Index	61

## Introduction

Online help describes the features and functionality of the Episerver platform, and covers CMS for content management, Commerce for e-commerce functionality, Find for extended search, and Episerver add-ons. You access it from within the Episerver platform or from Episerver World. The online help is also available in PDF format for users who prefer PDF or want to print the documentation.

This PDF describes the features and functionality of Episerver Find which you can find on **Episerver World**. Developer guides and technical documentation also are found on **Episerver World**.

The user documentation is intended for editors, administrators, marketers and merchandisers, working with tasks as described in Roles and tasks in the online help.



### Features, licenses and releases

The user documentation is continuously updated and covers the latest releases for the Episerver platform.

- CMS Episerver CMS is the core part of the Episerver platform providing advanced content creation and publishing features for all types of website content. CMS features are available in all Episerver installations.
- Commerce Episerver Commerce adds complete e-commerce capabilities to the core functionality in CMS. Commerce requires additional license activation.
- Add-ons Add-ons extend the Episerver capabilities with features like advanced search, multi-variate testing, and social media integration. Some add-ons are free, others require license activation. Add-ons by Episerver are described in the online help.
- Due to frequent feature releases, this user guide may describe functionality that is not yet available on your website. See What's new to find out in which area and release a specific feature became available.

## Copyright notice

© Episerver 1996 - 2018. All rights reserved.

All information and content within this document is the sole copyright of Episerver. Changes to the contents, or partial copying of the contents, may not be done without permission. The document may be freely distributed in its entirety, digitally or in printed format, to all users of Episerver Software. Episerver assumes no liability or responsibility for any errors or omissions in the content of this document. Episerver reserves the right to alter functionality and technical system requirements. Episerver is a registered trademark of **Episerver AB**. Ektron is a registered trademark of **Episerver Inc**.

## What's new?

The Episerver user guide describes features in the Episerver platform, including CMS for content management and Commerce for e-commerce management, and add-ons from Episerver. New features are continuously made available through **Episerver updates**.



Due to frequent feature releases, this user guide may describe functionality that is not yet available on your website.

This user guide (18-5) describes **features added up until and including update 231** for Episerver; see **Episerver World for previous user guide versions**.

Area	Features and updates
Find	<ul> <li>This version of the user guide contains no updates to the Episerver Find section.</li> </ul>
Insight	<ul> <li>This version of the user guide contains no updates to the Episerver Insight section.</li> </ul>
Perform Reach	<ul> <li>This version of the user guide contains no updates to the Personalization section.</li> </ul>

### Legacy documentation

This user guide describes a standard installation of the Episerver platform as it is at the time of writing. From time to time, we remove information on features that are no longer part of the platform or are made obsolete by other functionality. For information on such features, you need to go back to earlier versions of this user guide. Features described in other versions of the Episerver Platform User Guide:

- The built-in forms functionality to build web forms, see version 18-2 or earlier.
- Dynamic content, see version 18-2 or earlier.
- Customizing the rich text-editor TinyMCE v1, see version 18-2 or earlier.

## Find Episerver Find

Episerver Find is part of the . It requires a specific installation and license, contact your system administrator to find out more. See for technical information.

Most site visitors abandon a website if they cannot quickly find what they are looking for. With increasing information volumes, menu navigation is no longer sufficient, so search becomes critical for locating information. Episerver Find adds powerful search functionality to websites. Search encompasses internet search engines (like Bing) and a website's search function.

Search optimization increases the chances of attracting visitors to your website, keeping them there, and getting them to complete an action, such as registering or shopping. This is closely related to search engine optimization (SEO), often referred to as "the process of improving the visibility of website content in the search results."

Episerver Find bases search functionality on visitor search behavior and website statistics. Using this information, you can add **automatic landing pages**, **adaptive navigation**, and **guided search** to increase website traffic and boost conversion rates.

The Find documentation shows search administrators, such as editors and site administrators, how to set up and use Find. It also shows developers how to configure and set up search features.

A AIIOY	Start	Alloy Plan	Alloy Track	Alloy Meet	About us	Find
Start / Find "alloy meet" Search						
Search resul	<b>t</b> eet" resulted in	2 hits				
Download Alloy Mee Alloy Meet Download free install and evaluate for 30	t trial Download days.	l, install and	evaluate for 30	) days. Downlo	oad,	Sections All (57)
Installing You are installing Alloy Me	eet.					Root (30) About us (15) How to buy (3) Alloy Track (3) Campaigns (2) Alloy Plan (2) Alloy Meet (2)

## Find feature summary

With Episerver Find, you can develop customized functionality, such as filtering and faceted navigation, based on content properties, such as price or color. Find is based on an index service and interfaces, which can be cloud-based or installed on-premises. Find supports multiple languages.

Episerver Find indexes any type of website object, not only web pages. As soon as an author publishes content, Find pushes data to the search engine, making new or updated content available in near real-time.

#### Features in "standard" Find

- View and analyze search statistics for your websites, and use the statistics to optimize search.
- Explore the site index to see what was indexed and when, and use this information to customize search features.
- Promote selected content (best bets), and manage search phrases without hits.
- Add related queries to guide visitors in their search for specific content.
- Define synonyms for similar search phrases.
- Weight content properties to boost search results as desired.
- Support for basic boolean operators, like AND, OR, NOT. Special symbols like + and - are currently not supported. Complex nested combinations have limitations.

#### Features in Find Connections Edition

Episerver Find Connections Edition lets you add connectors, which index external content that is related to but not part of your website. For purchasing information about the Connections Edition, see Order Episerver Find. To learn how to use it, see Adding connectors.



See Getting started in the CMS Editor User Guide for logging in, accessing features, and working with the Episerver user interface.

#### Help in Find

Episerver Find's user interface provides onscreen documentation. To access it, click **Show Help** in the upper right corner.

## Find What is search optimization?

Search optimization helps site visitors quickly find the right website content. This is closely related to search engine optimization (SEO), often referred to as "the process of improving the visibility of website content in the search results."

As a Web page's search rank increases, your website receives more visitors.

Episerver Find lets you develop customized functionality to create automatic landing pages and different types of adaptive navigation with minimal effort. While Episerver Find bases its SEO strategies on site visitor statistics, you can manually implement search optimization on targeted content to enhance the search experience.

### Learn by doing

Most of Find's automatic SEO is based on queries made by site visitors. As the number of queries grows, Episerver Find "learns" and bases search suggestions on previous successful queries.

#### The new website

When developers set up a website and configure search, they use the programming interface to develop custom filters (along with built-in filters) and faceted search features. Because the site is new, search optimization has few statistics, so you can help visitors by adding search phrase suggestions. See also: Autocomplete.

#### The growing website

As your website matures and accumulates search data, use search statistics to analyze search activity. Optimization evolves into monitoring, fine tuning, and promoting content to deliver the right content to visitors.

### Automatic search optimization

You can attract visitors to your website and guide them to relevant content by coding the following features and tagging content properties.

#### Automatic landing pages

When you create a campaign, you usually make significant efforts to set up landing pages and display desired content in various places of the website. Tagging and search criteria let you create landing pages that dynamically display relevant content.

Relea This is an ov	se notes	s for Episerver up	dates ample landing page as NuGet packa	iges. As a dev	eloper working with EPiServer sol
Filter by	ges in Ef	PiServer.Find	Refer to instatung Emiserver updates	τοι πιοιτιατιο	Products CMS Commerce F Facets
ld 100.100	Type	Package	Title	Closed	Packages All
109403	Feature	EPiServer.Find 9.5.0.2999 EPiServer.Find 9.5.0.2999	Be able to scroll content with one scrollbar	Jul 24 2015 Jul 21 2015	EPiServer.Find Released in version
127694	Bug	EPiServer.Find 9.5.0.2999	Find does not allow filtering on decimal properties	Jul 17 2015	All 9.5.0.2999
127058	Bug	EPiServer.Find 9.5.0.2999	Indexing Word documents	Jul 13 2015	□ 9.4.0.2900 □ 9.3.1

An automatic landing page (as in the example above) is actually a search page with a small editorial area at the top. Episerver Find drives search results through content tagging. Site visitors can narrow down search results using the facets.

Episerver Find provides an SEO-friendly URL for the dynamic landing page, based on facets selected by the visitor. Example: if you search for *sweatshirt*, the returned URL includes associated search facets, such as the following .../search/sweatshirt/women/hoodies.

#### Adaptive navigation

Website navigation often is static and based on a content structure that is wellknown to editors but less intuitive to visitors. With search criteria, you can create navigation that displays personalized content based on what is known about the visitor, such as content relations or a registered profile.

#### Guided search

Episerver Find can suggest search phrases automatically, based on the behavior of site visitors. Example: searching for *page* returns **people searching for "page" also** 

searched for "web page". The autocomplete feature also provides guided search.

### Optimizing search manually

Although Episerver Find performs search optimization automatically, you should regularly monitor search activities on your website to fine-tune search performance and spot discrepancies. You may want override system suggestions to promote specific content.

Use the **optimization view** to perform manual search optimization. Optimization may also include modifying website content to achieve desired results. The following scenarios demonstrate how search optimization actions can guide visitors to appropriate content.

Search phrase does not match wording in content

Example: *basket* instead of *cart*. Help out by **adding a synonym**.

O Promote selected content

Use best bets to **promote selected pages' content**. Example: if a visitor searches for *Christmas cards*, a *Christmas special offer* appears at the top of the search results.

Ovisitors are not clicking search result links

Low-click frequency may not be a problem—it can indicate that search results provide adequate information. But it also may indicate that the information is not attractive enough. Work with the content to ensure that an appropriate description appears in search results and SEO requirements are met. Or, create a best bet with a custom title and description.

## ONO search results returned because the content is missing

Use search statistics to discover if needed content is missing from your website. This requires a strong understanding of the content. Create the missing content and ensure it appears in search results.

Content searched for is not on your website but visitors assume it is

If visitors frequently search for content on a related website, add a **connector** to index that site's content and merge it with your site's search results.

Returned results do not contain the search phrase

Add the search phrase to the content, or add **synonyms**, which let site visitors retrieve content without knowing exact wording.

Selevant content is found but not displayed at the top

Work with the content to verify that SEO requirements are met. For example, make sure the page has a relevant title, correct and descriptive meta information, and an accurate modification date. Also, make sure the page has relevant keywords and search phrases. Use specific keywords instead of broad, widely-used terms. For example, **agile commerce** (instead of **commerce**) significantly narrows results.

See also general guidelines about optimizing content for search engines, such as Google's Search Engine Optimization Starter Guide.

## Find Analyzing search statistics

Episerver Find collects statistics from site visitor activity and displays them in the Statistics View, where you can analyze the activity.

Statistics are scarce for a new website, but as your site matures and captures more search behavior, you can analyze the information to optimize the search experience.



You need **specific access rights** to access features in Episerver Find.



The statistics view displays popular searches during a selected time period and reveals if matching content was found. You can filter search information by time interval, website, and language.

- Most frequent searches. Phrases searched for most often.
- Searches without hits. Phrases most often searched for *and* for which no results were found.
- Searches without relevant hits. Searches that generated hits but had a low click-through rate. Phrases that are most frequently searched for *and* for which search results are clicked the least appear at the top.

If you click a search phrase in a list, a new window appears, containing the following information.

- matching search results (when using **Most frequent searches** view)
- other searches performed by the visitor who submitted that search phrase

Search phrase 'plan'				
0 most clicked search results matching 'plan' People who searched for 'plan'			lan' also searched for	
Search result	Clicks	Search phrase	Number of searches	
No m	atching hits.	1 work	1	
		2 lang	1	
			Close	

From Statistics view, you can select one or more search phrases and switch to the **optimization interface** to work with best bets, related queries, or synonyms.

#### Analyzing search statistics | 23

30 cooperation	1
✓ 31 <u>communication</u>	1
32 <u>ceo</u>	1
✓ 33 bears	1
34 <u>"katt" äter möss</u>	1
35 <u>"katt äter möss"</u>	1
Select one or more phrases in the list and click the desired search optimization these phrases.	method to wor
Create best bets Create related queries	

Find Manually optimizing search results

Although Episerver Find automatically optimizes the search, you should monitor your site's search activities regularly to fine-tune performance and identify trends. At times, you may want to override system suggestions or promote specific content.

When you perform search optimization, work closely with stakeholders such as the website owner, marketers, content editors, and developers. Tasks depend on whether the site is new or mature because of the amount of statistics with which you have to work.

You can perform search optimization for multiple websites and different languages from the same user interface. To optimize search effectively, you must be familiar with your website content.

You need specific access rights to access Episerver Find features.

### The optimization view

To access Optimization View, from the toolbar, click **Find > Manage** > **Optimization**.

#### Manually optimizing search results | 25

	For All Websites in All languages	Show Help
	Optimization Apply search optimization features to finetune search on your websites, helping visitors find what they are looking for.	
View search statistics based on common search phrases, and use this information to optimize	Related Queries 🔶 Synonyms AT Autocomplete	
search for your websites.	Use best bets to create a custom list of matching content for common search phrases. Best bets are presented at the beginning of the search results	s.
	Phrases	
	Separate multiple phrases with comma	
	Target content O Local	
	External link	
	Title Alloy Track	
2	Description Alloy Track, online risk management where the whole team gets involved in the project plan Involve the whole team! Projects have a natural lifecycle with well-defined stages. Progress monitoring is	
	<ul> <li>Display best bet in its own style</li> <li>Display best bet like search result</li> </ul>	
	Add best bet Cancel	
	Best Bets	
	Alloy Track Alloy Track, online risk management where the whole team gets involved in the project plan Involve the whole team! Projects have a natural lifecycle with well-defined stages. Progress monitoring is <u>/feature-autocomplete/alloy-track/</u>	te 🖶
	alloy track	

Use Optimization View to manually optimize search. You can select search phrases in the **Statistics** view, and transfer them to Optimization View. Or, you can manually enter search phrases into Optimization View's **Phrases** field.

#### What to look for

- Frequently-searched phrases indicate "hot" topics, content that visitors assume is on your website.
- Search phrases without hits reveal content missing from your website or a need to improve a content item's ranking in search results.
- If visitors search for content that is related to but not stored on your website, consider adding a connector to index an external website.
- Search phrases with low click-through rates may indicate that the content description is insufficient, or that the title or description is not attractive

enough. In the latter case, create a best bet with a custom title and description to promote the content.

 By clicking a search phrase in the list, you see other phrases that the same visitor searched for. For example, if someone searching for project plans also searched for planning and tracking projects, respond by adding missing content, or creating synonyms or best bets for these phrases.

Using the Statistics View data, try the following content optimization tasks.

- Improve the content on your website
- Promote content using best bets
- Suggest related search phrases
- Add synonyms for similar phrases
- Create editorial autocomplete suggestions

### Find Promoting content using best bets

Episerver Find lets you promote content by adding *best bets*, search phrases that deliver selected Web content to the top of search results. Use best bets to provide answers to common questions, or to create sponsored links such as in an e-commerce site.

For example, if a search phrase has a low click-through rate, that might indicate that the content title or description is not compelling. Use a best bet to assign a custom title and description to promote that content. By customizing title and description, you optimize the site visitor's search experience.

A best bet's search phrase does not need to occur in the assigned content—you are simply mapping one or more phrases to an internal or external Web page, which appears above organic search results.

video conference
Search Customized title and
Search result
Your search for video conference resulted in 16hits
Alloy Meet-conduct virtual meetings (0.74982923)
Alloy Meet teleconferencing software lets you conduct virtual meetings in "real time" where everyone is participating as the same time, often by teleconference or video conference.
alloy meet
Search Standard title and description
Search result
Your search for alloy meet resulted in 98hits
Alloy Meet (4.0621233) Alloy Meet, online meeting and distance cooperation You've never had a meeting like the before! You've never had a meeting like this before! Participants from remote locations appear in your
You can style a best bet to distinguish it from organic results. For example, notif
A developer needs to implement this feature in your website's styling.

You can define best bets for a specific language and a specific website.

#### Examples of best bets

- You are running a Christmas campaign. When a visitor searches for Christmas cards, you want the Christmas special offer page to appear at the top of search results.
- Link search phrases to content that you believe visitors want. For example, for a contact information page, add a best bet with search phrases like customer service, contact us, and opening hours.
- You want a search phrase to return specific content. For example, if someone searches for health insurance, display the health insurance card application form page on top.
- You have a Special offers page, which appears in search results when searching for offers, but is rarely clicked. Create a best bet for the page and give it a title like Unbelievable Deals, while leaving the original content untouched.

#### Adding best bets

Best bets are not enabled by default; developers need to enable them.

- 1. From edit view, select **Find >Manage**. The Statistics screen appears.
- If one or more search terms that you want to promote via best bets appear in the Search Phrase list, select the ones you want, then Create best bets. You can modify the search terms on the Optimization screen.

Otherwise, select the **Optimization** screen > **Best Bets** and use the **Phrases** field to enter one or more search phrases.

#### Manually optimizing search results | 29

Fo	All Websites - in All languages -	Show Help
Optimization Apply sear	ch optimization features to finetune search on your websites, helping visitors find what they ar	re looking for.
Sest Bets	🔛 Related Queries 🔶 Synonyms 🖪 Autocomplete	^
Use best bets to create a custom list o results.	f matching content for common search phrases. Best bets are presented at the beginning of t	he search
Phrases project, p	an Separate multiple phrases with comma	
Target content	Local Download Alloy Plan	
Description Alloy Pla	n Nivy Plan	
Description		
<ul> <li>Display</li> <li>Display</li> </ul>	best bet in its own style best bet like search result	
	Add best bet Cancel	
Best Bets	Q Search	
Whitepaper Alloy Track Whitepaper Explore the c	pportunities that exist for keeping your projects on track. Making sure that	~

The site visitor must enter all words in the search phrase *exactly* to retrieve the content. Stemming is not supported.

If a best bet contains several search phrases, and any of them matches the site visitor's input, the best bet content appears at the top of search results.

 At the Target Content field, specify content to appear when a site visitor searches for any search phrase. To assign an Episerver page, image, video, or asset, select Local and navigate to it. To assign an external page, click External link and insert a URL with a protocol identifier, such as http://.

- 30 | Episerver Find User Guide 18-5
  - If you selected an Episerver page, its title and description appear. Modify them as desired. For example, enter more compelling text to encourage a site visitor to click the result.

If you selected an external page, enter a relevant title and description.

#### Editing best bets

The bottom of the Optimization page displays current best bets.

1. Using the context menu, click **Edit**. The screen is populated with the current values.

Best Bets	Q Search	
Installing your new widget Step-by-step instructions for installing your new widget. http://dailyfind.ep.se/master/alloy-plan/download-alloy-plan/start-downloading/ installing installation setting up set up		Edit Delete

- 2. Change as needed.
- 3. Click Save best bet.

#### Deleting best bets

Best bets typically have a limited life, so maintain them continuously to ensure that outdated promotions are removed.

- 1. Using the context menu, click **Delete**.
- 2. Confirm.

Effect of publication and expiration dates on best bets

Best bets respect content publication and expiration dates, and that information is presented on the Best Bets screen.

Best Bets	Q Search
Installing You are installing Alloy Track. You are installing tyyAlloy Track. http://dailyfind.ep.se/master/alloy-track/download-alloy-track/start-downloading/ beutiful	• Content has expired
Fall campaign Read all about the latest, don't miss a beat. http://dailyfind.ep.se/master/fall-campaign/ fall campaign	
New products Latest updates to our most popular products! http://dailyfind.ep.se/master/new-products/ new	Content is scheduled for publishing

So, while you can apply a best bet to unpublished content, the best bet only affects search results if content is published. Also, if published content expires, a best bet no longer affects search results, although you can still see it on the Best Bets screen.

#### Commerce Best bets for catalog entries

If Episerver Commerce is installed on your website, you can promote content using the catalog content selector in best bets view. You can define best bets for products and variants and images in the catalog.

Select content	×
Q Search	
Catalog Root	
Departmental Catalog	- 11
Departments	
E Fashion	
Tops	
Tops-T-shirts	
Tops-Tunics	
Tops-Sweaters	
Tops-Sweatshirts	
Tops-Blouses	
Tops-T-shirts-Basic	
Tops-T-shirts-Basic-Pink-Medium	
	_
	_
	_
OK Cance	el

### Find Adding related queries

Use related queries to create suggestions associated with a search phrase, guiding visitors to certain search patterns.

Start / Find
black bear
Search
Search result
Your search for black bear resulted in 8hits
People also searched for: polar bear brown bear bear

Episerver Find automatically generates suggestions from site visitors who also searched for the same phrase. You can manually add related queries that are not automatically generated because users are not entering those search terms. By manually adding related queries, you create desirable search patterns that are used as the website evolves. For example, on a travel website, to searches for *Spain*, add related queries for *Barcelona* and *Madrid*. Or, on an e-commerce site, to searches for *accessories*, add *handbags* and *shoes*.

#### **Creating related queries**

You can apply a related query to a **specific website and a specific language**.

- 34 | Episerver Find User Guide 18-5
  - 1. From edit view, select **Find > Manage**. The Statistics screen appears.
  - If search terms that you want to use for related queries appear in the Search Phrase list, select them then Create related queries. You can modify the search terms on the Optimization screen.

Otherwise, select the **Optimization** screen > **Related Queries** and use the **Phrases** field to enter one or more related queries.

A phrase can have up to three words, and must consist of alphanumeric characters, dashes, ampersand, or apostrophe.

Use related queries to creat direction only.	e search suggestions of the type "persons who s	earched for this also searched for". Related queries work in one
Phrase	offer	
Suggestions	deal,bargain	
		Separate multiple suggestions with comma.
		Add related query Cancel
Related Queri	es	Q Search
Phrase	<ul> <li>Suggestions</li> </ul>	
bow woods	babboo	
	hickory	Edit
	osage	Move Up
	ash	Move Down
	cedar	Delete Phrase
	black locust	Delete Suggestion

- In the Suggestions field, enter related terms by which users might want to search. You can apply several phrases to the same query. For example, the search term *training* has *course* and *school* as related queries. A suggestion should not match a phrase.
- 4. Click Add related query.
- To change the position of a suggestion, click the context menu then select
   Move Up or Move Down. The screen position affects the presentation order of

#### the related queries.

black bear	brown bear	
	polar bear	=-
	bear	Edit
bow woods	babboo	Move Up
	hickory	Move Down
	osage	Delete Suggestion

### Find Adding synonyms for similar phrases

Sometimes, site visitors enter a search term that does not occur in your content, even though your site has content of interest to them. To fix this problem, create a *synonym list*. If a site visitor searches for any term in the list, the search returns results for it and the synonym. For example:

- Phrases (terms not in your content but which site visitors submit while searching): *bill, payment, pay, fee*
- Synonym (occurs in your site content): *tuition*

If a site visitor enters *bill* into a search field that uses synonyms, the Synonyms feature adds OR *tuition* to the query. So, content containing *tuition* is returned even though it was not submitted as a search term.

The Synonym feature typically produces more hits. So, while site visitors do no more work, Episerver Find greatly increases their chances of finding the right information.

#### Examples

• You have a *Special offers* page. It appears in search results when searching for *offer*, but site visitors often enter *deal* when searching. Create a synonym

list with phrase: *deal;* synonym: offer.

- Phrases: *iPhone, Nexus, Galaxy* (three 1-word phrases)
   Synonym: *smart phone* (2-word synonym)
- Phrases: *email*, *telephone*, *people*, *twitter* (four 1-word phrases)
   Synonym: *contact* (1-word synonym)

Unidirectional versus bidirectional synonyms

When creating a synonym list, you decide if it is unidirectional or bidirectional.

- Unidirectional. If a site visitor submits a phrase on the list, Episerver Find adds the synonym to the query. But, if a visitor submits the synonym, phrases on the list are not added to the query.
- **Bidirectional**. If a visitor submits the synonym or any term on the phrases list, the synonym and the term are added to the query.

On the Synonyms screen, an icon indicates a list's direction.

Synonyms	
Phrases	Synonym
adorable, lovely, nice	beautiful
amount, bill, charge, cost Unidirectional	tuition

#### Example

If *recycling* is a unidirectional synonym to *dump*, you get hits for *recycling* when searching for *dump*, but you do not get hits for dump when searching for *recycling*.

• If *recycling* is a bidirectional synonym for *dump*, you get hits for *dump* when searching for *recycling*, and hits for *recycling* when searching for *dump*.

#### Keywords versus synonyms

The advantage of search keywords is that they are used by Episerver Find and external search engines (for example, Bing) to retrieve content on your site. However, you must add SEO keywords to each content item.

Synonyms apply to all site content, or content in the selected language, but are only used if someone uses the Find search on your site.

#### Adding Synonyms



Synonyms are usually language-specific but you can apply them to all languages.

- 1. From edit view, select **Find > Manage**. The Statistics screen appears.
- If search terms you want to use for synonyms appear in the Search Phrase list, click them, then select Create synonyms. You can modify the search terms on the Optimization screen.

Otherwise, select the **Optimization** screen > **Synonyms**.

For	All Websites	n All language	S <del>*</del>	<b>?</b> s
Optimization Apply search optimization features t	o finetune search	on your websites	;, helping visitors find what	they are looking for.
😭 Best Bets	骗 Rela	ed Queries	<b>♦</b> Synonyms	A] Autocomplete
Search terms can be expand results for "fruit" will also be o	ed with terms fro displayed. Note th	m this synonym li at changes to syr	st. If you search for "vegeta nonyms may take a few mi	ables" and the synonym is "fruit", nutes before they are in effect.
Phrase	track,projects,ma	inage,monitor		
Synonym	follow-up			
Bidirectional			Add synon	Cancel
Synonyms				Q Search
Phrase		Synonym		
biking,trekking,hiking,climbi	ng,walking 🕟	outdoor		
cat,dog,mouse,rat	$igside{\mathbf{D}}$	pet		
london	$\bigcirc$	england		
london	۲	britain		
madrid	$\bigcirc$	spain		

3. In the Phrases field, enter one or more synonym phrases that do not occur in your site content but which site visitors might submit while searching. Each phrase can have up to three words. You can enter an unlimited number of phrases. To learn more about phrases and synonyms, see Adding synonyms for similar phrases.

The search term must exactly match a phrase (stemming is not supported). For example, *vegetable* does not exactly match *vegetables*. As a workaround, enter two phrases: *vegetable* and *vegetables*.

- 4. In the **Synonym** field, enter a term (up to three words) that exists in your website content. Episerver Find adds the synonym to the query when a site visitor enters any phrase in the list.
- If you want the synonym list to be bidirectional, check the Bidirectional box.
   See also: Unidirectional versus bidirectional synonyms.

### Find Autocomplete

Autocomplete suggests search phrases as a site visitor types characters into a search field.

home ×	Search		
<ul> <li>Homewood Cor</li> </ul>	ttages		
Homeplace Ranch			
<ul> <li>Home Care Apartments</li> </ul>			
<ul> <li>Home Inn Xiamen Jimei University</li> </ul>			
Home Way Bus	siness Hotel		

The suggestion list becomes more precise as a user types more characters.

If a site visitor selects a suggestion, Episerver Find executes a query using that term. Autocomplete speeds up the search experience when it correctly predicts words being typed.

Sources of autocomplete suggestions

Episerver Find provides two sources of autocomplete suggestions.

Manually entered, on the Find Optimization screen's Autocomplete tab.

For All Websites 👻	in All languages 👻	<b>3</b> Sr
Optimization Apply search optimization feat	ures to finetune search on your websites,	helping visitors find what they are looking for.
🙀 Best Bets 🛛 😁 Relat	ed Queries 🔶 Synonyms	A] Autocomplete
Autocompletes are words displayed as suggestions when will always take precedence over autocompletes from the	visitors start typing in the search field. He system.	re you can add your own autocompletes, which
Phrase		×
	Ad	d autocomplete Cancel
Autocomplete		Q Search
Phrase		
appearance		
appear		
poltava		
police		

 Automatically generated, based on previous searches that resulted in at least one hit.

Manually-added suggestions take precedence over system-generated ones. For example, if a search for *polic* results in one user clicking a search result that uses *police*, Episerver Find makes *police* an autocomplete suggestion for *polic*. But, if you manually add *policy* as a suggestion, that term appears above *police* in the suggestion list.

#### Usage recommendations

Base autocomplete suggestions on search keywords for targeted content.
 For example, if your website sells bicycles, add the following suggestions to appear when a site visitor types *ro*.



 For a new website, manually add autocomplete suggestions for important words. Even if no previous searches for them were made, the suggestions direct site visitors to appropriate pages.

#### Adding, editing and deleting autocomplete phrases

You can define autocomplete suggestions for a **specific language and a specific website**. To create a suggestion, follow these steps.

- 1. From edit view, select Find > Manage > Optimization > Autocomplete.
- 2. In the **Phrase** field, enter autocomplete suggestions (one at a time).



The Autocomplete screen displays only suggestions that were manually added on this screen—it does not display suggestions based on previous, successful searches.

Use context menu options to edit or delete an autocomplete suggestion.

After you enter autocomplete suggestions, your developer must update website pages that host search controls to implement Autocomplete.

#### Changing the order of autocomplete phrases

The order of suggestions in the Autocomplete list determines their sequence in a search field's suggestion list.

Optimization Apply search optimiza	
😭 Best Bets 🛛 🔛	
Autocompletes are words displayed as suggestion will always take precedence over autocompletes 1 Phrase Autocomplete	
Phrase	ro ×
road shoes	road shoes
road bike	road bike suggestions below
road cycling	road cycling a search field

To change the order of suggestions, follow these steps:

- 1. Select the suggestion you want to move.
- 2. Drag it to the new position.
- 3. When you see a blue line below the drop position, release the mouse button.

Autocomplete	
Phrase	
road bike	
road cvcling	_
road shoes	

### Find Optimizing multiple sites and languages

Because search optimization is often language-specific, Episerver Find supports multiple languages and websites.

#### Filtering on websites and languages

At the top of the most Find screens, use drop-downs to choose a website and a language analyzer to filter the screen information before performing actions, such as viewing statistics and fine tuning search optimization.



#### Find indexes

Find needs only one main index. Multiple websites often share a single index. If you add a website, Find adds new content to the existing index.

In addition to the main index, your Episerver Find administrator can set up any number of *language-specific* indexes to increase search precision by employing strategies like word stemming. When content in a language with its own index is saved, Episerver Find uses an *analyzer* to interpret and index the content. For example, the English analyzer uses word stemming to identify *fish* as the root word for *fishing* and *fisher*. So, if a user submits a search query that includes *fish*, *fishing*, or *fisher*, the search returns content with any word variation.

In contrast, if a search term matches content in the main index only, it must exactly match an indexed term to return search results; word variations are ignored.

The number of supported language analyzers in Find is determined when your organization orders an index and multi-language index support from Episerver. Your site administrator enables the analyzers during site setup.

#### How content from different languages appears in search results

If site visitors search a multi-language website, each language version of content appears separately in search results.

#### Language analyzers versus CMS content language

Your site administrator can enable one group of languages in Episerver CMS, and a different group of language analyzers in Find. This may confuse users because, while the language selector on Find screens might look like you are choosing content language, in reality, you are selecting a Find analyzer.

The Find language analyzer is used when working with search optimization. Your site content can exist in several languages - they do not all need a language analyzer. However, a search that uses an analyzer is "smarter".

Find language analyzers are installed by a developer during implementation at a cost. Additional content languages can be added by a CMS administrator at any time and have no cost.

#### Examples of multiple websites and languages

The following examples illustrate search optimization with multiple websites and languages.

#### EXAMPLE: Enabling languages and optimizing search

You create a *Fall Fashion* page in the master language, in English (see image). Now, you want to enable Danish and Swedish on the website, and translate the page into those languages. You also want to apply search optimization techniques to promote the translated content. It is assumed that you enabled Swedish and Danish in the website's index.



- 46 | Episerver Find User Guide 18-5
  - Translate the page into Swedish and Danish.
  - Because you enabled Swedish and Danish in the index, the Fall Fashion page appears in results when searching for tröjor and trøjer, the Swedish and Danish words for cardigans, even though the page contains the singular form cardigan (tröja and trøje).
  - Create a best bet for the Fall Fashion page to promote it when someone searches for cardigans or jeans. You do not have to create best bets for the Swedish and Danish versions Episerver Find automatically displays the translated versions. If a best bet's content is not translated, Episerver Find displays the master language version as a fallback language.
  - Add *jeans* as a one-way synonym for *trousers* in English. If a site visitor searches for *trousers*, the *Fall Fashion* page appears at the top of search results.

Because it is a one-way synonym, a search for *jeans* does not return pages containing *trousers*.

- Create the corresponding language-specific synonym pair for *jeans* in Swedish (*byxor*) and Danish (*bukser*).
- Assume that the new *style* brand is replacing the old XX brand in the new collection. Add *style* as a synonym for XX, applying to *all languages*. Visitors searching for the XX brand also see results for the *style* brand, regardless of language.

#### EXAMPLE: Adding websites and optimizing search

This example continues the previous one by creating two new campaign websites with targeted content: one for fashion and one for traveling, in addition to the default website. All three websites share an index and have the same languages enabled.

#### Manually optimizing search results | 47

For All Websites	in All languages	? Show He	elp
All Website Coptin Apply search op looking for. All Website Fall Fashie Default Website	es on Campaign Campaign eb Site	your websites, helping visitors find what they	are
😫 Best Bets 🖷	Related Queries	← Synonyms Aï Autocomplete	
Use related queries to c this also searched for Phrase Suggestions	reate search suggestions of ". Related queries work in warm cardigan,sweater Separate multiple sugge	of the type "persons who searched for one direction only.	
	Add re	clated query Cancel	
Related Quer	ies	Q Search	
Phrase -	Suggestions		
juniper	bow woods		

- Enable the desired languages in each new website, so editors can create and translate content in the sites.
- Because the campaign websites are new and have their own URL, the statistics views are empty until visitors generate traffic and queries.
- All websites share an index, so best bets, related queries, or autocomplete suggestions are already defined the campaign websites.

- 48 | Episerver Find User Guide 18-5
  - Similarly, any language-specific search optimization for all websites also applies to the campaign websites.
  - By definition, synonyms apply to all websites. Synonyms can be languagespecific, as explained the *style* brand example above.
  - Because the campaign websites have different content (fashion and traveling), you can add website-specific related queries. For example, on the travel website, searching for *warm* (English) might suggest tropical destinations, like Jamaica. Searching for *warm* on the fashion website might suggest *cardigans* or *sweaters*.

For	I Travel Campaign - in English - ? Show He
🕝 Optimiz	II Websites all Fashion Campaign
Apply search optimiz	all Travel Campaign
😭 Best Be	Related Queries (++) Synonyms (A) Autocomplete
Use related quer searched for". F	s to create search suggestions of the type "persons who searched for this also elated queries work in one direction only.
Sugge	ons Florida
	Separate multiple suggestions with comma.
	Add related query Cancel
Related	Queries Q Search
Phrase	<ul> <li>Suggestions</li> </ul>
Warm	thailand
	carribean

• Add website-specific **autocompletion of search phrases**. For example, if a visitor enters *car* on the fashion website, an autocomplete suggestion might be *cardigans*. On the travel website, the suggestion might be *car rental*.



In admin view, a system administrator or developer can configure these search-specific tasks:

- Boosting results through properties
- Clearing the index and reindexing
- Adding connectors
- Exploring the index
- Access rights

## Find Boosting results through properties

This topic is intended for administrators and developers with administration access rights in Episerver.

Episerver Find has default properties, such as **Title**, **Summary**, and **Content**, that are automatically mapped to corresponding content properties. Each property has a weight setting that affects search result rankings. You can adjust the weight settings, which is called *boosting*.

Boost weight settings if your site has specific and well-defined content types. For example, if your site hosts scientific articles whose summaries are generally well-written and of great importance, increase the **Summary** weight so it has a greater impact on search rank.

For All Websites In All languages						
Tools Use the features here to configure search options and settings for your websites.						
	<b>Boosting</b>	Index Connectors				
Use this view to change default we	eight value settings for content properties, in orde	r to influence search results.				
Property	Weight	Preview the boosting effect				
✓ Title	✓ Very high	Enter a search phrase, include best bets and/or synonyms, and compare the impact of different weight settings on the search result.				
Content	Very low	Search All languages 👻				
Summary	✓ Medium	Include best bets Apply synonyms				
Document content	V Medium	Alloy Track Video http://dailyfind.ep.se/feature-hs-122-be-able-to-scroll-content-with- one/dibhalassets/allov-track/allov-track-video/allovdouch.mn4				
Save Cancel Reset to def	ault values	Video Preview				
		ing/manyinto.ep.se/reaute-its-izz-de-aute-to-scroit-coment-with- one/globalassets/alloy-track/alloy-track-video/preview.png				

## Changing weight settings

**B** 

- 52 | Episerver Find User Guide 18-5
  - From edit view, select Find > Configure > Boosting. Default properties appear on the left of the screen.
    - Title. Content title. For CMS content, it is typically the Name if not specified by the developer. For crawled content, it is the <title>-tag. For custom types, title is by default the SearchTitle property, if not specified by the developer.
    - Content. Web page content.
    - **Summary.** The introduction, summary, abstract, or similar property type.
    - **Document content**. The content of an asset, such as a PDF or Word document.
  - 2. In the Weight column, click a box to change a property's weight.
  - 3. Click Save.

#### Notes about changing weight settings

- To test the impact of property weight changes, click **Preview the boosting** effect from the right side of the Boosting screen.
- To revert the changes, click **Reset to default values** from the Boosting screen, under the list of properties.
- These settings affect search results for *all* content types and all languages on all websites in your implementation.

## Find Clearing the index and reindexing

You can clear (that is, remove) the Episerver Find index and statistics. You typically do so during website development, after making extensive changes to content properties, or when reorganizing or removing content. You might also clear statistics after testing new functionality.

After you clear the index, re-index the website.				
For All Website	s in All languages Show Help			
$\sim Tools$ Use the features here to configure search options and se	ttings for your websites.			
57 Boosting	Index Connectors			
Use this view to clear the content index and/or statistics for the webs content structures and properties.	ite. This may be needed when extensive changes have been done to			
Clear content index	Clear statistics			
Clearing the content index will empty the index completely, after which the website needs to be <u>reindexed</u> .	Clearing the statistics will remove all data, causing the statistics view to be empty.			
Clear index	Clear statistics			

### Clearing the index

When clearing the index, you remove all content from it, and have an option to clear statistics also.



Index clearing operations are permanent-you cannot reverse them.

- 1. From edit view, select **Find > Configure > Index**.
- 2. Click Clear index.
- 3. Re-index the website. See Clearing the index and reindexing.

### Re-indexing the website

- 1. Log into CMS admin view.
- 2. Go to Scheduled Jobs.
- 3. Select the Episerver Find Content Indexing job.

You can start the job manually or on a schedule. See also: Scheduled jobsin the CMS Administrator User Guide.

Re-index your site under any of the following conditions:

- After you clear the index, because it is empty.
- If automatic indexing failed, or content must be reindexed for another reason.
- You changed content access rights, because automatic indexing does not detect those changes.

### **Removing statistics**

- 1. From edit view, select **Find > Configure > Index**.
- 2. Click Clear statistics.

If you clear statistics, statistics view is empty until new statistics are collected.

## Find Adding connectors

A search connector lets Episerver Find search content outside your website, such as an external blog related to your website. The connector lets your site visitors find the blog posts among your site's search results.

While Episerver Find pushes content to the search engine instantly, a connector crawls external websites on a specified schedule.

For All Websites in All languages								
$\Gamma_{ m OO} m Is$ . Use the features here to configure search options and settings for your websites.								
		Bo	posting	Index 🥰	Connectors			
Add connectors to your	Add connectors to your website, helping visitors to find content that is related to but not actually on your website.							
Na	ame							
т	Type Crawler -							
Start U	JRL							
Exclude me	edia							
-	Advanced fine tu	ning of indexing (click to	o display)					
Schee	dule 💿 No							
	OEvery day at	OE	very Monday	at				
	Local time is displ	ayed. Note that you nee	ed to manually adjust	st the scheduling for	daylight saving time.			
						Add connector	Cancel	
Name	Туре	Schedule	₿ <u>Status</u>	Last index	ed Doc	uments		
Article base	Crawler	No	Indexed	Jun 29, 5:13	B PM	0 Start		
EPiServer Knowledge Base	Crawler	Every Monday at 1:00 PM	Indexed	Yesterday 1	:08 PM	859 <b>Start</b>		
EPiServer Blogs	RSS/Atom	No				▶ <u>Start</u>		

### Configuring connectors

To access the Connectors screen, from the global menu, select **Find > Configure > Connectors**. To view on-screen help, click **Show Help** in the top right corner. The

following points supplement the on-screen help.

- By default, two connector types are available: Crawler and RSS/Atom. The connector type determines which configuration options appear below theType drop-down.
- If you choose Crawler type, you can fine-tune indexing by excluding media types such as style sheets, JavaScript, and XML files. See also: Media Types. Find excludes the following media types from indexing by default.
  - o text/css
  - text/ecmascript
  - o text/javascript
  - o application/ecmascript
  - o application/javascript
  - o application/x-javascript
  - application/x-pointplus

Click Advanced fine tuning of indexing to further limit indexing.

- Exclude query strings that are part of a link. For example, exclude crawling campaign tracking parameters (such as utm\_source, used by Google Campaigns) to avoid unintentionally updating a campaign counter.
- Specify parts of a website to crawl but not index, or to not crawl at all.
   You may want to crawl but not index to index search links to other pages, but not the content on those pages.
- Specifying an indexing interval.
  - Although you set a schedule in local time, it is converted to coordinated universal time (UTC) so it occurs at the same time regardless of server location. However, you must manually adjust local time when needed, such as for daylight savings time.

## Viewing connectors and indexing jobs

The connectors list (at the bottom of the screen) shows status and scheduling information for all indexing jobs.

- You can manually refresh a connector's indexing status. If completed, last completion time appears.
- You can edit or delete any connector from its context menu. For example, you can update its schedule.
- You can manually start and stop indexing jobs.

			Refresh status			Start/ston	
Name	Туре	Schedule	2 Status	Last indexed	Documents	job	Context menu
Article base	Crawler	No	Indexed	Jun 29, 5:13 PM	0	▶ <u>Start</u>	Edit
EPiServer Knowledge Base	Crawler	Every Monday at 1:00 PM	Indexing		9	Stop	Delete
EPiServer Blogs	RSS/Atom	No				■ <u>Start</u>	

## Find Exploring the index

Most Episerver Find features are built on the search index, which stores and provides quick access to data collected by the search engine. Without an index, the search would be much slower because each query would have to search through all site data.

Episerver Find pushes content to the search index as it is published, so updates occur in near real time. Depending on how the index is set up, it can contain information about all types of content, including various file types and community comments.

To view your search index, from edit view, select **Find > Overview**.

### Reviewing the index overview screen

The index overview summarizes your search index at the current time. If your environment hosts multiple websites, the index is shared among them, and you can explore each site's index.

- The Index section displays the index name and .NET API version number.
- The Document Types section displays the total number of indexed objects, and the number of objects of each type. While most objects are page types, Find also indexes other website objects.
- The CMS Content section summarizes each site's indexed content. The screen displays the total number of indexed objects for the entire structure and for each site. You can also see the distribution per page type and languages for each site.

A language version of a page is treated as a separate object in the index.

### Reviewing the Explore screen

The Explore screen displays index details, such as when a page was last indexed. Find lists the total indexed content, and you can filter by content type. You can also search for indexed content using query syntax.

Click an item to see its details. For example, you can view when an object was indexed, its IDs, and the indexed content, which is useful when you set up and fine tune the index.

For All Websites in All languages			?
$\operatorname{Explore}$ View your index to see what has been indexed and when, and an	alyze the index details for a	specific object.	
<b>Q</b> Filter	248 results	Filter by Type StandardPage	
Name	Туре	ImageFile ContentAssetFolder	
> Top Collaboration Technology	ArticlePage	ContentFolder	
> Trek Selects Alloy Plan	ArticlePage	Bagol istBlock	
> Todd Slayton	ContactPage	FageLISIDIOCK	
V Management	StandardPage	FormBlock	
		ContactPage	
		ArticlePage	
i "SearchSubsection\$\$string": "Start"		TeaserBlock	
"GetTimestamp\$\$date": "2015-06-29T15:57:57.1320167Z",		ContainerPage	
"IsPendingPublish\$\$bool": false,		ProductPage	
"ContentLink": {     "IsExternalProvider(\$beal": false		LandingDaga	
"WorkID\$\$number": 0.		LandingPage	
"ID\$\$number": 35,		NewsPage	
"\$type": "EPiServer.Find.Cms.IndexableContentRefere	ence, EPiServer.F	JumbotronBlock	
ind.Cms", "types": [		EditorialBlock	

## Find Access rights

Episerver Find's access rights feature lets site administrators control which users can access components of the Episerver platform.

To access Episerver Find features, a user must be a member of one of these groups:

- Administrators, WebAdmins, and SearchAdmins can access the Episerver edit view, Episerver Find search features, and access to the Clear Indexes screen.
- SearchEditors can access the Episerver edit view and the Episerver Find search features. They cannot access the Clear Indexes screen.

Because most users are not members of Administrators or WebAdmins, they must have membership in *both* SearchAdmins and SearchEditors to access Episerver Find features in admin view.

The membership and role providers available for your website need to be configured to use the built-in groups and roles in Episerver. This is typically done during site setup.

See also: Access rights in the CMS Administrator User Guide.

## Index

A	autocomplete 39	statistics
access rights	boosting results 51	clearing 54
find 60	connectors	synonyms 35
autocomplete 39	adding 55	weighting
В	index	results 51
best bets 26	clearing 53	I
adding 28	overview 58	index
deleting 30	optimization 16	Find, reindexing 53
editing 30	best bets 26	0
boosting property	manual 24	optimizing search 19
weights, Find 51	multiple lan-	Q
С	guages 43	queries, related
catalog entries	multiple sites 43	Find 33
best bets 31	optimizing	R
connectors	search 19	related queries
Find 55	overview 12	find 33
F	related queries 33	S
Find	results	search
access rights 60	boosting 51 search statistics 21	optimization 16

statistics 21

SEO 16

statistics

Find, clearing 54

search, view 21

suggestions,

search 39

#### synonyms

using with Find 35

# **Episerver Digital Experience Cloud**

The Episerver Digital Experience Cloud™ unifies digital content, commerce and marketing in one platform, including omnichannel solutions for intelligent campaigns. The platform uses artificial intelligence and behavioral analytics to deliver personalized experiences everywhere. With our secure, reliable platform you can quickly increase engagement, revenue and productivity, while getting the fastest time to value.

#### **About Episerver**

At Episerver, we believe digital transformation is a journey. We have been guiding customers for more than 20 years in providing standout digital experiences. Today our network of 880 partners, in 30 countries, supports 8,000 customers and over 30,000 websites. Founded in 1994, Episerver has offices in the US, UK, Sweden, Australia, Germany, Denmark, Finland, Norway, Poland, the Netherlands, Spain, South Africa, Singapore, Vietnam and the UAE.

For more information, visit **episerver.com**.



www.episerver.com