Search Providers & Settings for Properties

Mari Jørgensen - EPiServer Norway

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Agenda

- Search Providers
- Settings for Properties

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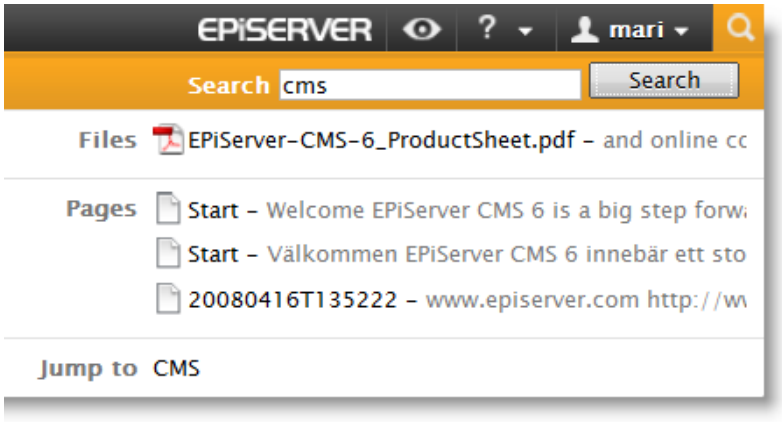
Search Providers

- OnlineCenter features search functionality by aggregating results from several search providers.
- Each provider reports results based on a specific category, e.g. Pages, Blogs, Files etc.

Search Providers

» EPiServer CMS 6 includes three search providers

- FilesSearchProvider
- PagesSearchProvider
- MenuSearchProvider



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Search Providers - Demo

» Creating a custom Search provider

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EPiServer.Shell.Search.ISearchProvider

Implement interface to create a custom provider

```
public class UserSearch : ISearchProvider
```

Methods

	Name	Description
	Search	Executes a Search on the provider

Properties

	Name	Description
	Area	Area that the provider mapps to, used for spotlight searching
	Category	The category that the provider returns hits in

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System.ComponentModel.Composition.Export

```
[Export(typeof(ISearchProvider))]
public class UserSearch : ISearchProvider
```

Managed Extensibility Framework is used to export dependencies from the modules inside the Online Center →

You will need to add a reference to the MEF assembly: System.ComponentModel.Composition

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Add the Configuration

To add a custom search provider, you need to configure your assembly as a shell module.

```
<episerver.shell>
    <protectedModules rootPath="~/secure/">
      ...
      <add name="UserSearch">
        <assemblies>
          <add assembly="Demo.UserSearchProvider" />
        </assemblies>
      </add>
    </publicModules>...
```

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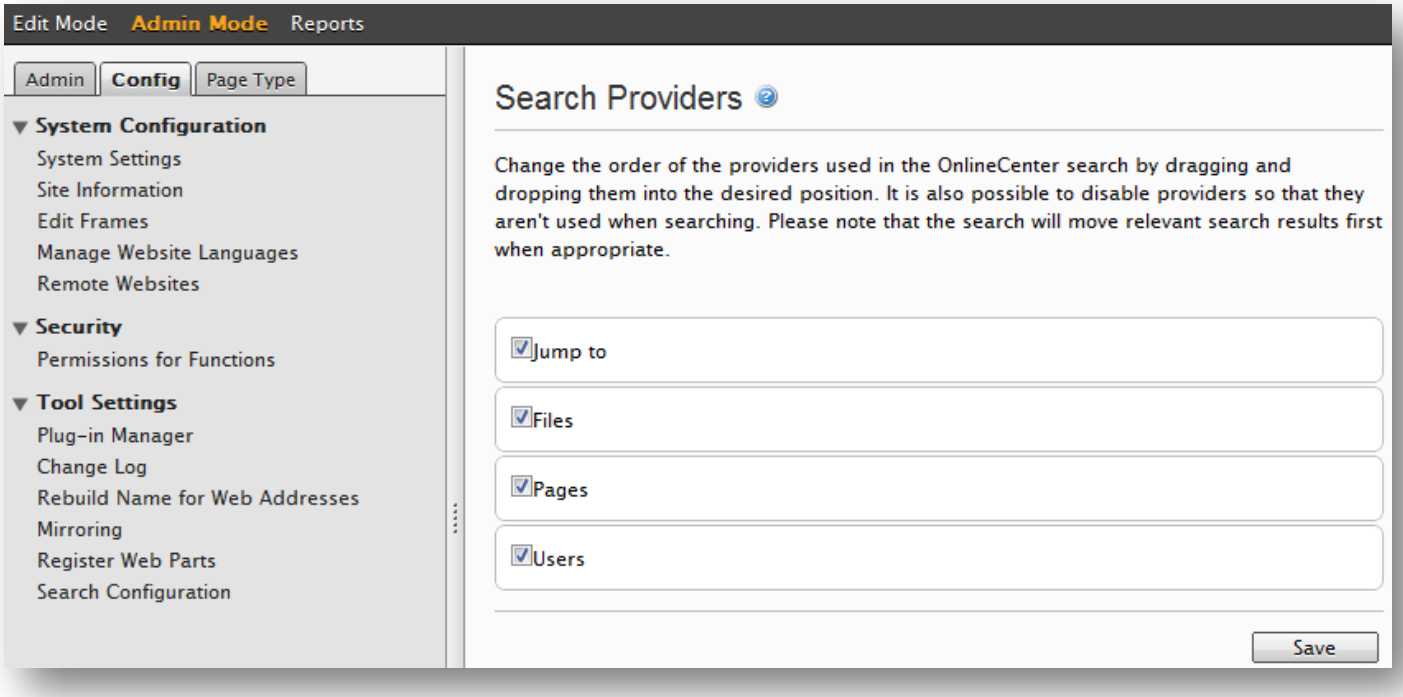
Search configuration

» Ordering can be changed in admin mode



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References – Search Providers

- Online Center Developer Documentation
- Blog: Implementing a Search provider for SiteCenter in 5 minutes

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Settings for Properties

- Store custom settings for a property
  - Create and store settings for your custom properties
  - Editable through ui inside admin mode
- Possible to define global and custom settings

Settings for Properties - Demo

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Settings attribute and class

Add Settings using attribute PropertySettings

```
[PropertySettings(typeof(MySettings), true)]
public class IntroControl : PropertyLongStringControlBase
```

The Settings class need to implement interface IPropertySettings,
most easily accomplished inheriting from PropertySettingsBase.
Attribute ProperySettingsUI defines the class that is used to edit the settings.

```
[PropertySettingsUI(AdminControl = typeof MySettingsUI))]
public class MySettings : PropertySettingsBase
```

Settings UI

```
/// <summary>
/// Used to render a UI for editing the settings in the admin UI.
/// Needs to be in the inherit from Control and implement
/// IPropertySettingsUI.
/// Most easily accomplished using PropertySettingsControlBase
/// </summary>
public class MySettingsUI : PropertySettingsControlBase
```

It's also possible to specify the url to a user control through either the Url, UrlFromUi or UrlFromUtil property. This user control needs to either implement IPropertySettingsUI or inherrit PropertySettingsUserControlBase.

Accessing Settings object

PropertyData has got a new Property….

```
public PropertySettingsContainer SettingsContainer
```

... and a new method

```
public IPropertySettings GetSetting(Type settingsType)
```

Example of use

```
MySettings settings = (MySettings)
            PropertyData.GetSetting(typeof MySettings))
```

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References – Settings for Properties

- http://labs.episerver.com/en/Blogs/Linus-Ekstrom1/Dates/2009/10/Settings-for-properties/

marijorg

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