

Lucene Search 7Plus

Table of Contents

I.	Introduction	2
II.	Background	2
III.	Features	2
IV.	Installation	2
V.	Configuration	3
VI.	Technical Implementation	3
VII.	Source	4

Introduction

LuceneSearch7Plus - Is an upgraded version of Lucene Search module available at https://marketplace.sitecore.net/Modules/Lucene_Search.aspx. It has search box and a search result page ready to be added to your site. Once these controls are added your site is ready for displaying search results.

Background

Sitecore 7.0 and above(+) now have new search api this project makes use of newly introduced namespace "Sitecore.ContentSearch". There were few requests on SDN forums trying to install older version of Lucene search module on sitecore 7+ and were facing problems. So I decided to release an upgraded version for Lucene Search which supports sitecore 7+.

Features

1. Supports single and multi-site sitecore instance.
2. Sample code for displaying search results based on lucene index.
3. Demonstrates two approach, search results based on lucene query or by making use of predicate builder.
4. Highlighted search results.
5. Easily installed as a sitecore package.
7. Pluggable with Sitecore 7.0 to 7.2.

Installation

Installation of Lucene Search 7Plus is quick and easy, it is bundled up as a standard sitecore package. It can be downloaded from Github repository [here](#). The package includes following items and code files,

1) Items

- /sitecore/content/Home/Standard_Items/*
- /sitecore/content/Lucene Search Settings/*
- /sitecore/layout/Layouts/Sample Layout
- /sitecore/layout/Sublayouts/LuceneSearch7Plus/*
- /sitecore/templates/Starter Kit*

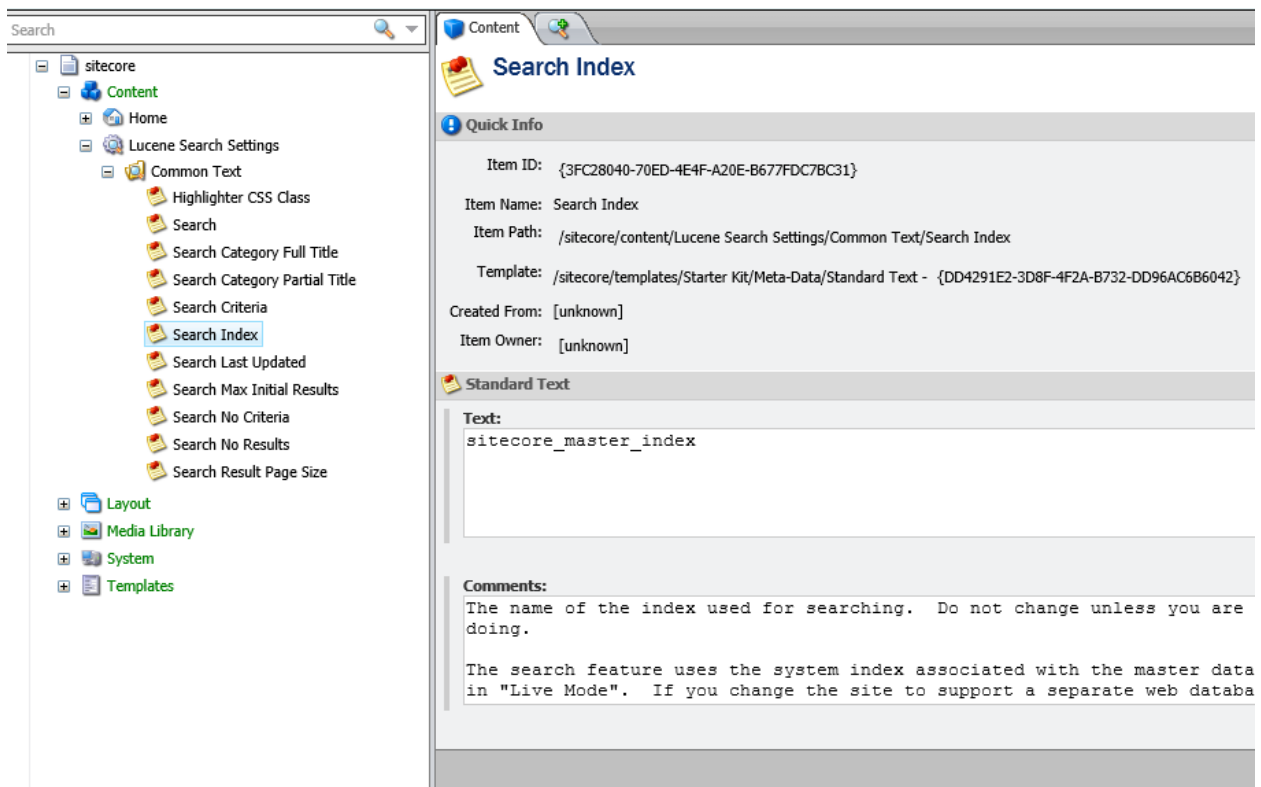
2) Code files

- /bin/LuceneSearch7Plus.dll
- /sitecore modules/LuceneSearch7Plus/LuceneSearchBox.ascx
- /sitecore modules/LuceneSearch7Plus/LuceneSearchResults.ascx
- /images/search.gif

Configuration

Once the installation is complete follow below steps for search to work

- 1) Add LuceneSearchBox.ascx sublayout to a layout.
- 2) Navigate to /sitecore/content/Lucene Search Settings/Common Text/Search Index and specify the index name from which you want to display the results.



Technical Implementation

LuceneSearchBox.ascx

Control having a search box and button which passes the search term to LuceneSearchResults.ascx

LuceneSearchResults.ascx

LuceneSearchResults.ascx gets the results from the lucene index via SearchManager.cs and displays them in a grid.

Datasource for “gvSearchResults” grid is an ASP.Net “ObjectDataSource”. “SelectMethod” attribute of datasource can have either of the two below values as per requirement. This module demonstrates two approaches for querying lucene index,

- `GetSearchResultsUsingPredicate` : Using predicate
- `GetSearchResultsUsingQuery` : Using IQueryable

Source

Code is shared and available on GitHub at [LuceneSearch7Plus](#). You can download it and modify as per your needs.

Sitecore package is also available on GitHub as LuceneSearch7Plus – Sitecore package.