

Making It All Work: Put a UI on It!

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pluralsight 
hardcore dev and IT training

Let's Do Something Real World!

- Let's take Pluralsight's course and author list
- And build a working, life-like, search page
- Things like this cost thousands of dollars
- I will show you how to do it in less time than my daily commute



** Disclaimer: real world, scalable, more advanced solutions require a lot more effort*

(But a 1000 mile journey starts with 1 step!)

Let's Get Busy! You Will Need...

- **Solr with source data**
 - Done in previous modules
- **SolrNet**
 - We will download it
- **Some styles... CSS that is!**
 - Just to make it look decent.



SolrNet is an **Apache Solr** client for .NET




Pluralsight's Solr

- Let's do a quick check... lot of records...
- Course info, course authors, tags, ...



← → ↻ 🏠 📄 localhost:8983/solr/#/psdemo/query



- Dashboard
- Logging
- Core Admin
- Java Properties
- Thread Dump
- psdemo
- Overview
- Analysis

start, rows

0

10

fl

df

Raw Query Parameters

key1=val1&key2=val2

wt

json

☒ indent

☐ debugQuery

☐ dismax

☐ edismax

SolrNet

- An Apache Solr client for .NET
- Not intended to abstract Solr
- Knowledge of Solr is an absolute must
- Found here: <https://github.com/mausch/SolrNet>

The screenshot shows the GitHub repository page for **mausch / SolrNet**. The repository is public and has 1,337 commits, 10 branches, 11 releases, and 40 contributors. The current branch is **master**. The repository is described as "Solr client for .Net" and includes a link to the documentation: <https://github.com/mausch/SolrNet/blob/master/Documentation/README.md>. The repository has 61 watchers, 312 stars, and 242 forks. The right sidebar shows links to **Code**, **Issues** (46), and **Pull Requests** (5).

GitHub, Inc. [US] <https://github.com/mausch/SolrNet>

This repository Search or type a command Explore Gist Blog Help xaviermorera + ✕

PUBLIC mausch / SolrNet Watch 61 Star 312 Fork 242

Solr client for .Net <https://github.com/mausch/SolrNet/blob/master/Documentation/README.md>

1,337 commits 10 branches 11 releases 40 contributors

branch: master SolrNet / +

<> Code

Issues 46

Pull Requests 5

Don't Get Confused Getting SolrNet!

- Old URL, previously hosted in Code.Google


- <https://code.google.com/p/solrnet/>
- Easy to get lost if you arrive in /downloads and miss

SolrNet is an [Apache Solr](#) client for .NET.

[Project moved to Github](#)

- Active SolrNet in GitHub

- <https://github.com/mausch/SolrNet>

PUBLIC  **mausch / SolrNet**

👁 Watch ▾ 61 ★ Star 312 🍴 Fork 242

Solr client for .Net <https://github.com/mausch/SolrNet/blob/master/Documentation/README.md>

📁 1,337 commits 🌿 10 branches 📦 11 releases 👤 40 contributors

🔗 Code

Get SolrNet!

GitHub

This repository ▾

Search or type a command



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PUBLIC



mausch / SolrNet

★ Star

291

🍴 Fork

220

Solr client for .Net <https://github.com/mausch/SolrNet/blob/master/Documentation/README.md>

📦 1,315 commits

🌿 10 branches

📦 11 releases

👤 38 contributors



branch: master ▾

SolrNet / +

Added indexed and stored field attributes.



dalenewman authored 7 days ago

latest commit e4f6f37f23



📁 .nuget	Don't require restore consent	10 months ago
📁 AutofacContrib.SolrNet.Tests	Upgrade to Autofac 2.6.3.862	11 months ago
📁 AutofacContrib.SolrNet	Upgrade to Autofac 2.6.3.862	11 months ago
📁 Castle.Facilities.SolrNetInte...	Upgrade to Windsor 3.2	11 months ago
📁 Castle.Facilities.SolrNetInte...	Upgrade to Windsor 3.2	11 months ago
📁 Documentation	Update README.md	17 days ago
📁 HttpWebAdapters	Added client certificate implementation of HttpWebRequest.	9 months ago
📁 NHibernate.SolrNet.Tests	Revert "test projects in .net 4.0".	2 years ago

<> Code

🔔 Issues

43

🔗 Pull Requests

5

📶 Pulse

📊 Graphs

🌐 Network

HTTPS clone URL

<https://github.com/mausch/SolrNet>



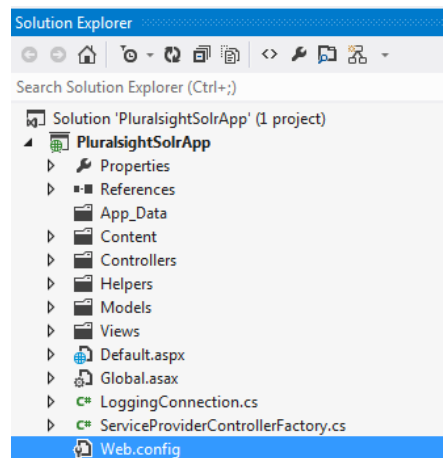
You can clone with [HTTPS](#) or [Subversion](#).

🖨 Clone in Desktop

📦 Download ZIP

SolrNet

- **Pretty big project**
- **Build it yourself... if you dare!**
 - You actually have to do it :P
- **And it comes with a SampleSolrApp (aleluya!)**
 - And with tests!
- **Open with Visual Studio 2012 (also possible 2010)**



- .nuget
- AutofacContrib.SolrNet
- AutofacContrib.SolrNet.Tests
- Castle.Facilities.SolrNetIntegration
- Castle.Facilities.SolrNetIntegration.Tests
- Documentation
- HttpWebAdapters
- lib
- NHibernate.SolrNet
- NHibernate.SolrNet.Tests
- Ninject.Integration.SolrNet
- Ninject.Integration.SolrNet.Tests
- packages
- SampleSolrApp
- SampleSolrApp.Tests
- solr
- SolrNet
- SolrNet.DSL
- SolrNet.DSL.Tests
- SolrNet.Tests
- SolrNet.Tests.Integration
- StructureMap.SolrNetIntegration
- StructureMap.SolrNetIntegration.Tests
- tools
- Unity.SolrNetIntegration
- Unity.SolrNetIntegration.Tests
- .gitignore
- Build.bat

Demo

pluralsight

Results

Q jira agile

Search

Sort by: **Best match** | Name | Duration | Random

CourseAuthor

Alexander Zanfir (2)
David Starr (2)
Jan-Erik Sandberg (2)
Cory House (1)
Dan Benjamin (1)
John Brown (1)
John Sonmez (1)
Joshua Sierles (1)
Michael Krasowski (1)
Miguel Castro (1)
Stephen Forte (1)
Xavier Morera (1)

DurationInSeconds

3168 (1)
3719 (1)
5528 (1)
5568 (1)
5834 (1)
6717 (1)
8913 (1)

Scrum Development with Jira & JIRA Agile

Price: **Xavier Morera** | Duration: **5834**

Categories: scrum, agile, jira, software-practices, developer, scrum, agile, jira, software-practices, developer

JIRA Fundamentals

Price: **Jan-Erik Sandberg** | Duration: **8913**

Categories: developer-tools, debugging, track, greenhopper, atlassian, version-one, issue-tracking, jira, software-practices, developer, bugzilla, developer-tools, debugging, track, greenhopper, atlassian, version-one, issue-tracking, jira, software-practices, developer, bugzilla

Agile Release Management

Price: **Jan-Erik Sandberg** | Duration: **5528**

Categories: scrum, agile, release-management, software-practices, developer, scrum, agile, release-management, software-practices, developer

Takeaway

- Know your data!
- SolrNet allows quick development of search applications
- This was a simple example, search gets to levels of intense complexity
 - Connectors
 - Analyzers
 - Federation
 - Security
 - Scalability
 - Others
- A little CSS goes a long way

