

CUSTOMIZING YOUR DNN SEARCH RESULTS

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Prep for Search

- Page Titles
- Taxonomy Terms
- Page Tags
- Page Setting: Allow Indexing
- Module Setting: Allow Indexing
- Admin > Search Admin > Re-index Content
- Host > Schedule > Site Crawler

Filtering Results

- **By Tag**
[tag1][tag2]
- **By Source Type**
type:Pages,Users
- **After Update Date**
after:(day, week, month, year)

Web API – Search input autocomplete

GET

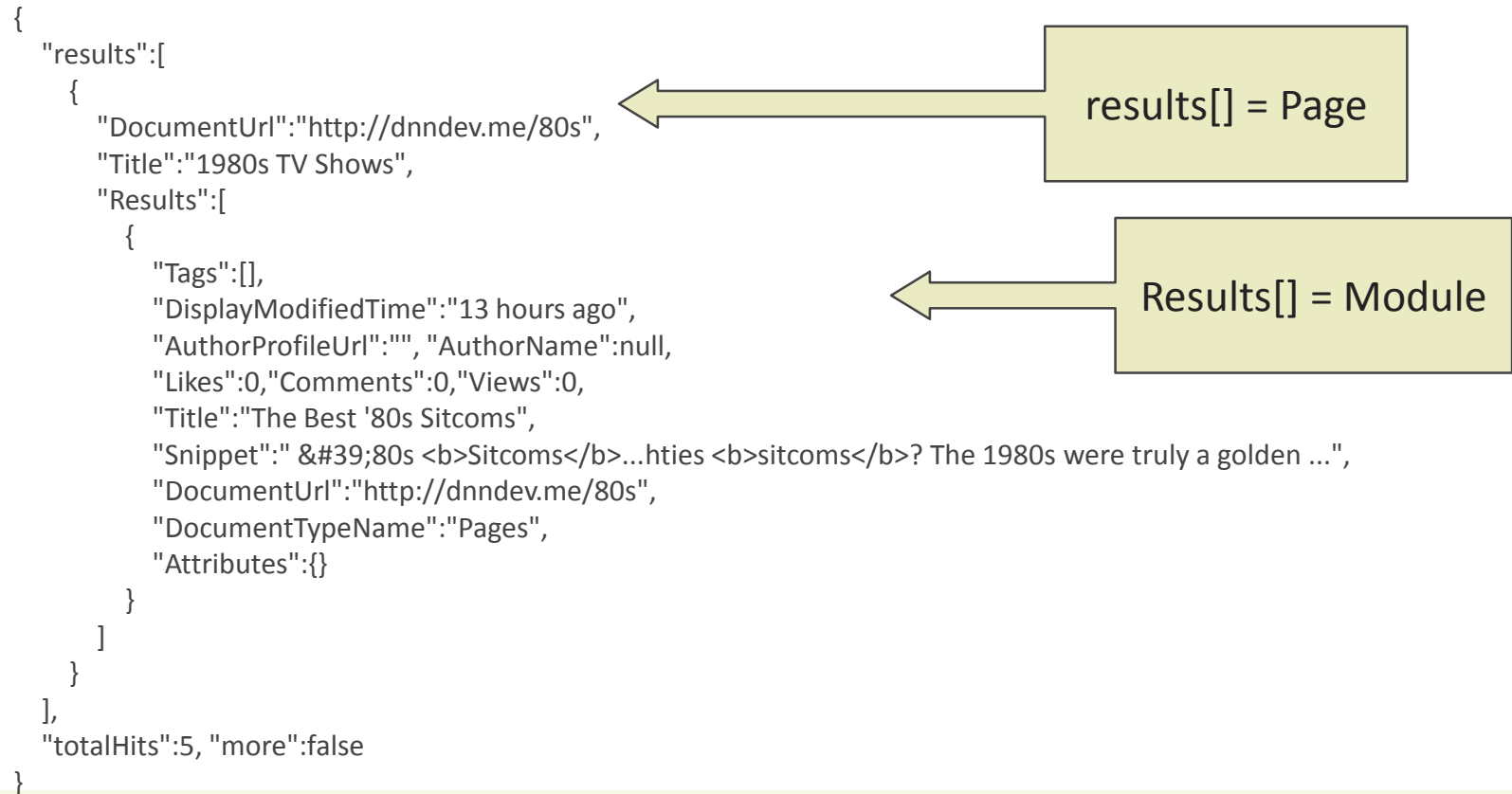
/DesktopModules/internalservices/API/searchService/preview?keywords=xxx&culture=en-US

```
[
  {
    "DocumentTypeName": "Pages",
    "Results": [
      {
        "Title": "Page 2 > Page 2",
        "Snippet": "dolor <b>xxx</b> amet, consectetur adipiscing e...dolor ...",
        "DocumentUrl": "http://dnndev.me/Page-2",
        "DocumentTypeName": null,
        "Attributes": {}
      }
    ]
  }
]
```

Web API – Search results

GET

/DesktopModules/internalservices/API/searchService/search?search=xx
x&pageIndex=1&pageSize=15&sortOption=0&culture=en-US



API – Site Search or Module Search

- `DotNetNuke.Services.Search.Controllers.SearchController.Instance.SiteSearch()`
- `DotNetNuke.Services.Search.Controllers.SearchController.Instance.ModuleSearch()`

Custom Module that pushed and queries DNN Search

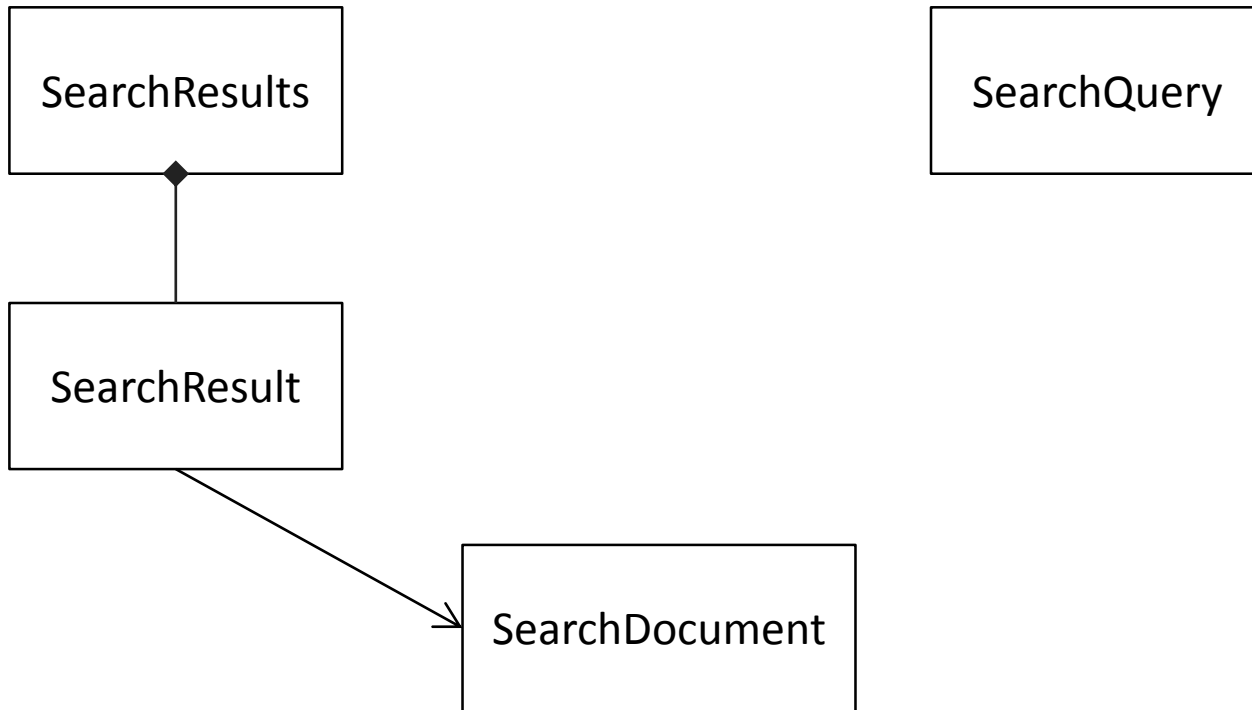
- Started as my “Client-Centric” demo module from DNNHero.com. Knockout / WebAPI Services
<http://www.dnnhero.com/Premium/Tutorial/ArticleID/246/Client-Centric-Module-Development-in-DNN-Introduction-Explanation-Part-1-4>
- Added ModuleSearchBase implementation to push data into DNN Site Search Crawler
<http://www.dnnhero.com/Premium/Tutorial/ArticleID/305/Search-Integration-DNN-Search-Overview-Part-1-4>
- Added SearchController’s ModuleSearch implementation to leverage lucene to search internal module data

API – Module Search

```
SearchQuery query = new SearchQuery
{
    ModuleId = request.ModuleId,
    PageSize = request.PageSize,
    PageIndex = (request.PageNum > 0 ? request.PageNum : 1),
    SortField = SortFields.Relevance,
    SortDirection = SortDirections.Descending,
    KeyWords = request.Term
};
SearchResults sr =
    SearchController.Instance.ModuleSearch(query);
```


API – Entities

DotNetNuke.Services.Search.Entities



API – Entities: SearchResult

```
namespace DotNetNuke.Services.Search.Entities
{
    [Serializable]
    public class SearchResult : SearchDocument
    {
        public SearchResult();

        public string AuthorName { get; set; }
        public string DisplayModifiedTime { get; }
        public string DisplayScore { get; set; }
        public float Score { get; set; }
        public IDictionary<string, string> SearchContext { get; set; }
        public string Snippet { get; set; }
    }
}
```

DNNHero.com Subscription Giveaway

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1. Tweet about how you want a free 1-year subscription to DNNHero.com
- 2. Include @DNNHero and #DNNCon2014 in your tweet**
3. If you get a reply from DNNHero letting you know you have won, send us your contact information.

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