

MemberExport PRO

User manual



1	INTRODUCTION	3
2	INSTALLATION	4
3	EXPORT MEMBERS	5
4	EXTEND MEMBEREXPORT	6
4.1	Value parsers.....	6
4.2	Export provider	7
4.2.1	CSVProviderUI	7
4.2.2	CsvProvider	9
5	MANUAL INSTALLATION/CONFIGURATION	11
5.1	Manual installation of files	11
5.2	Manual configuration of Database.....	11
6	CONFIGURATION	12
6.1	Exclude properties	12
6.1.1	Fixed properties	12
6.2	Configure a custom Membership provider	12
7	TROUBLESHOOTING	13
7.1	I don't see the MemberExport package in my members section	13
7.2	My CSV file is messed up when opening in Excel.	13
7.3	I get an Invalid License exception.	13
7.4	I get an Invalid Membership provider message.....	13

1 Introduction

MemberExport Pro helps you export members from your Umbraco installation to an Excel or Csv file. It's also possible to save the export options steps for later use .

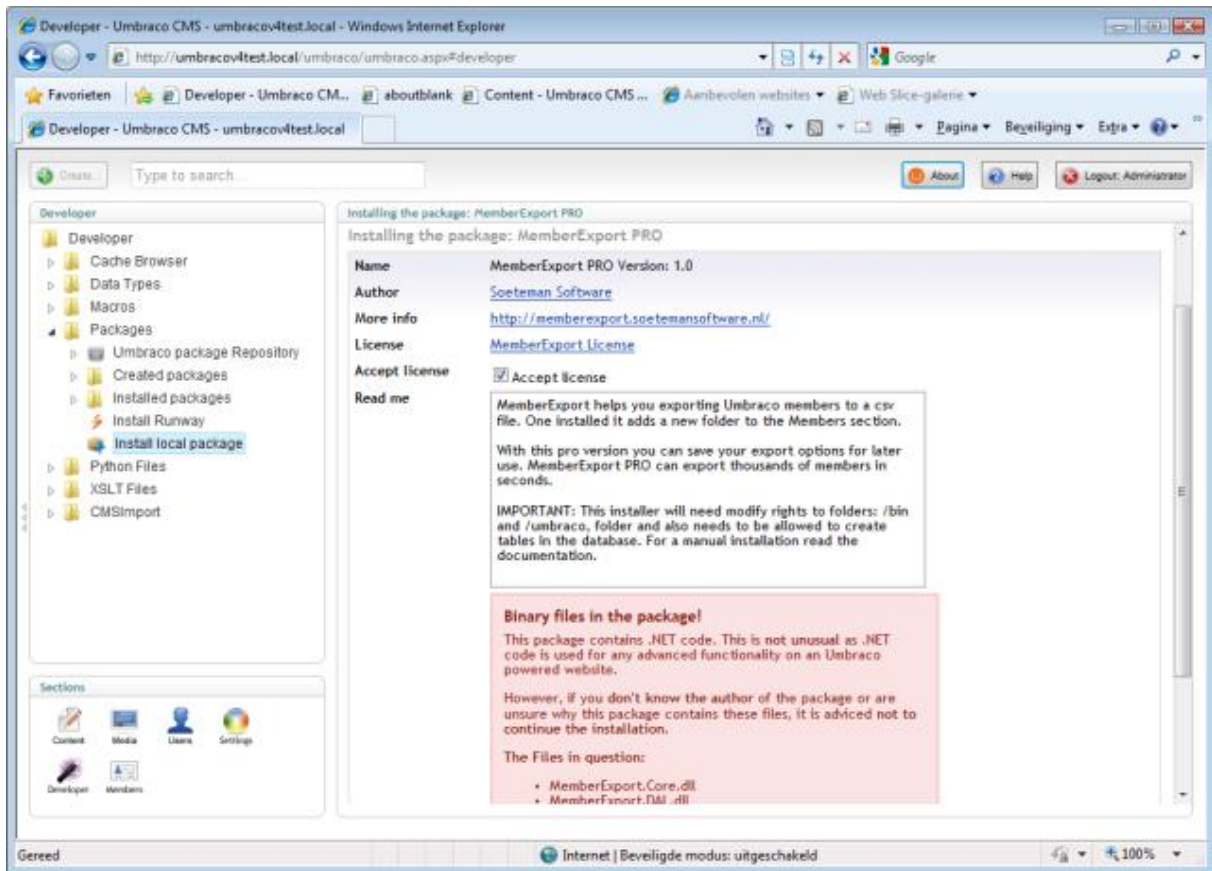
MemberExport PRO can export thousands of members in a few seconds.

MemberExport uses the database directly and will only work with the default Umbraco Membership provider!¹

¹ Since version 2.6 you can use a derived type of the Umbraco membership provider see chapter configuration how to configure this.

2 Installation

Install the MemberExport PRO package using the Umbraco package installer.



Make sure that the installer has modify rights on the following folders:

- /bin
- /umbraco

The installer also needs rights to create tables in the database.

If for some reason you can't give the installer these rights, you can install the package manually. Read the chapter manual configuration how to do this.

Once the package is installed you have an extra folder in your member section called MemberExport. You might need a page refresh to see this folder.

4 Extend MemberExport

MemberExport is an out of the box product, still in some cases you might want to modify the package to your needs. MemberExport can be extended by writing your own value parsers and export providers.

4.1 Value parsers

By default MemberExport exports the stored value from the database. When this value is an Id value you might want to export the text value instead. This can be achieved using a value parser. By default MemberExport comes with value parsers for the following datatypes :

- Checkbox
- Dropdownlist
- MNTP
- MultipleDropdownlist
- Radiobox
- Ultimatepicker

In the example below we will write a value parser for the True/false datatype. By default values will be exported as 1/0. We want the values to be exported as yes/no for this example.

First we need to add a reference to the MemberExport.Library dll. Then we can create a class that implements the IValueParser interface

```
public class TrueFalseParser : IValueParser
{
    /// <summary>
    /// Returns the Datatype GUID of the true/false Render Control.
    /// </summary>
    public Guid DataTypeId
    {
        get { return new Guid("38b352c1-e9f8-4fd8-9324-9a2eab06d97a"); }
    }

    /// <summary>
    /// Converts the 0/1 to a normal yes/no string.
    /// </summary>
    /// <param name="memberfieldInfo">The memberfield info.</param>
    /// <param name="value">The value.</param>
    /// <returns>The yes/no string</returns>
    public object Parse(Library.Types.MemberField memberfieldInfo, object value)
    {
        return string.Format("{0}", value) == "1" ? "yes" : "no";
    }
}
```

The DataTypeId property needs to return the GUID which is displayed on the datatype edit screen.

Edit datatype: True/false

Name: True/false

Render control: True/False (Ja/Nej)

Data Editor GUID: 38b352c1-e9f8-4fd8-9324-9a2eab06d97a

Settings

Database datatype: Integer

The Parse method will be called when a true/false property value is exported. In the above example we transform the value to yes/no.

The following information about the exported field is available in the memberFieldInfo variable:

- **DataTypeId.** The GUID which is displayed on the datatype edit screen
- **DatatypeNodeId.** The node id of the Datatype.
- **Alias.** The Property alias.
- **Text.** The Property text.

To use the Value Parser all we need to compile the project and add the dll to the bin folder of the Umbraco install. Then it will be picked up automatically and values will be exported as yes/no. In the example below the Active column is exported as true/false value using the Value Parser.

A	B	C	D	E
Id	Name	Login	Email	Active
1057	Richard Scroeteman	richard@soetemansoftware.nl		Yes

4.2 Export provider

MemberExport comes with two Export providers, Csv and Excel. If you want to create a provider yourself you can do this by implementing two classes and store the dll that contains the provider into the bin folder of your Umbraco install. Below the implementation of the CSV Provider

This is only possible with the PRO edition of MemberExport

4.2.1 CSVProviderUI

The CSVProviderUI class is the class which is responsible for the UI part of the provider. Add a reference to the MemberExport.Library dll and derive from ExportProviderUIBase class. Implement to following methods:

- OnInit, create the UI controls
- Initialize, initialize the UI options based on the stored export provider settings. In this case exportProvider will hold the text delimiter and text indicator options.
- GetOptions will return the export provider settings so we use those settings when exporting records

- The name property will return the name of the provider stored in the Export as dropdownlist when selecting an export provider.

```

using System;
using System.Web.UI;
using System.Web.UI.WebControls;
using MemberExport.Resources.Helpers;
using umbraco.uicontrols;

namespace MemberExport.Library.ExportProviders.CSV
{
    /// <summary>
    /// Renders the Layout for the CSV Provider
    /// </summary>
    public class CSVProviderUI : ExportProviderUIBase, INamingContainer
    {
        protected DropDownList _csvTextIndicatorDropDownList = new DropDownList();
        protected DropDownList _csvSVSeperatorDropDownList = new DropDownList();

        protected override void OnInit(EventArgs e)
        {
            base.OnInit(e);

            _csvSVSeperatorDropDownList.Items.Add(new ListItem(";", ";"));
            _csvSVSeperatorDropDownList.Items.Add(new ListItem(",", ","));

            _csvTextIndicatorDropDownList.Items.Add(new ListItem(ResourceHelper.Current.GetStringResource("CSVNoTextIndicator"), ""));
            _csvTextIndicatorDropDownList.Items.Add(new ListItem("\\"", "\""));
            _csvTextIndicatorDropDownList.Items.Add(new ListItem("\'", "'"));

            PropertyPanel delimiterProperty = new PropertyPanel();
            delimiterProperty.Text = ResourceHelper.Current.GetStringResource("CSVSeperatorProperty");
            delimiterProperty.Controls.Add(_csvSVSeperatorDropDownList);

            PropertyPanel stringIndicatorProperty = new PropertyPanel();
            stringIndicatorProperty.Text = ResourceHelper.Current.GetStringResource("CSVTextIndicatorProperty");
            stringIndicatorProperty.Controls.Add(_csvTextIndicatorDropDownList);

            Controls.Add(delimiterProperty);
            Controls.Add(stringIndicatorProperty);
        }

        /// <summary>
        /// Sets the export options (delimiter and string indicator).
        /// </summary>
        /// <param name="exportProvider">The export provider.</param>
        public override void Initialize(ExportProviderBase exportProvider)
        {
            CSVProvider csvProvider = exportProvider as CSVProvider;
            if (csvProvider != null)
            {
                _csvSVSeperatorDropDownList.SelectedValue = csvProvider.Delimiter;
                _csvTextIndicatorDropDownList.SelectedValue = csvProvider.StringIndicator;
            }
        }

        /// <summary>
        /// Returns the selected export options (delimiter and string indicator).
        /// </summary>
        /// <returns></returns>
        public override ExportProviderBase GetOptions()
        {
            CSVProvider csvProvider = new CSVProvider();
            csvProvider.Delimiter = _csvSVSeperatorDropDownList.SelectedValue;
            csvProvider.StringIndicator = _csvTextIndicatorDropDownList.SelectedValue;
            return csvProvider;
        }

        /// <summary>

```



```

    /// Return the name of the provider. this will be displayed in the selectbox
    /// </summary>
    /// <value>The selected name.</value>
    public override string Name
    {
        get { return "CSV file"; }
    }
}
}

```

4.2.2 CsvProvider

The second part we need implement is the provider itself which handles the actual export process. Create a new class and derive from ExportProviderBase. This will give you an Export method and Icon property. The Icon property will be displayed when opening the saved exports tree. In this implementation we've added the StringIndicator and Delimiter options, which gets set from the UI.

The export method will give a list of columns to export and all records using an IRecordReader. The rest of the code is implementation specific. Two important things to know when exporting records. When assigning a value always use the ValueParser factory

```
ValueParser.Parse(reader.GetObject(column.Alias), column));
```

To write the file to the browser either use the WriteResponseString (for stringvalues) or WriteResponseBytes (for a byte array) methods. Both methods need the Contenttype (Mimetype) and fileExtension.

```

using System;
using System.Collections.Generic;
using MemberExport.Library.Csv;
using MemberExport.Library.Members;
using MemberExport.Library.Types;

namespace MemberExport.Library.ExportProviders.CSV
{
    /// <summary>
    /// CSV (Default) implementation of MemberExport
    /// </summary>
    [Serializable()]
    public class CSVProvider : ExportProviderBase
    {
        /// <summary>
        /// Exports the data to a csv file
        /// </summary>
        /// <param name="columns">Collection of column info</param>
        /// <param name="reader">The actual data to export</param>
        public override void Export(List<Types.MemberField> columns, umbraco.DataLayer.IRecordsReader r
reader)
        {
            //Use a csv writer object
            CsvWriter writer = new CsvWriter(Delimiter, StringIndicator);

            //Add columns to export
            foreach (MemberField field in columns)
            {
                writer.Columns.Add(field.Text);
            }

            //Add data to export
            while (reader.Read())
            {
                //Get values for the current row
                List<object> values = new List<object>();
                foreach (MemberField column in columns)
                {
                    values.Add(ValueParser.Parse(reader.GetObject(column.Alias), column));
                }
            }
        }
    }
}

```

```
        //write values to csvwriter;
        writer.Add(values.ToArray());
    }
    //Write response to the browser
    WriteResponseString(writer.Parse(), "application/excel", "csv");
}

/// <summary>
/// Gets or sets the string indicator.
/// </summary>
/// <value>The string indicator.</value>
public string StringIndicator { get; set; }

/// <summary>
/// Gets or sets the delimiter.
/// </summary>
/// <value>The delimiter.</value>
public string Delimiter { get; set; }

/// <summary>
/// Returns the icon that will be displayed in the saved tree
/// </summary>
/// <value>The icon.</value>
public override string Icon
{
    get
    {
        return "csvexport.gif";
    }
}
}
}
```

5 Manual Installation/Configuration

If you renamed the Umbraco folder or for some reason can't give the installer sufficient rights to create tables in the database, or the sufficient rights to modify the following folders /bin, /umbraco you need to install MemberExport PRO Manually.

5.1 Manual installation of files

- Open the folder in the zip file.
- Copy all **.dll** files to the /umbraco/bin/ folder.
- Copy **csvexport.gif** to the /umbraco/images/Umbraco folder
- Create the following folders
 - o /umbraco/plugins/MemberExport
 - o /umbraco/plugins/MemberExport/Config
 - o /umbraco/plugins/MemberExport/UserControls
- Copy all ***.aspx** files to the /umbraco/plugins/MemberExport folder
- Copy **MemberExport.ascx** to the /umbraco/plugins/MemberExport/Usercontrols folder

If you purchase a license (.Lic) file. Put that in the Bin folder of your Umbraco install!

5.2 Manual configuration of Database

Run the following script to install the database tables

```
CREATE TABLE [dbo].[MemberExportState] (
    [Id] [int] IDENTITY(1,1) NOT NULL,
    [UniqueIdentifier] [uniqueidentifier] NOT NULL,
    [Name] [nvarchar](250) NOT NULL,
    [ExportState] [ntext] NOT NULL,
    [Icon] [nvarchar](50) NULL,
    PRIMARY KEY CLUSTERED
    (
        [Id] ASC
    )WITH (PAD_INDEX = OFF, STATISTICS_NORECOMPUTE = OFF, IGNORE_DUP_KEY = OFF, ALLOW_ROW_LOCKS
    = ON, ALLOW_PAGE_LOCKS = ON) ON [PRIMARY]
) ON [PRIMARY] TEXTIMAGE_ON [PRIMARY]

INSERT INTO
[umbracoAppTree] ([treeSilent],[treeInitialize],[treeSortOrder],[appAlias],[treeAlias],[treeTitle],[treeIconClosed],[treeIconOpen],[treeHandlerAssembly],[treeHandlerType],[action]) VALUES
(0,1,100,'member','memberexport','Export
Members','folder.gif','folder_o.gif','MemberExport.Library','Tree.MemberExportTree',null)
INSERT INTO
[umbracoAppTree] ([treeSilent],[treeInitialize],[treeSortOrder],[appAlias],[treeAlias],[treeTitle],[treeIconClosed],[treeIconOpen],[treeHandlerAssembly],[treeHandlerType],[action]) VALUES
(0,0,110,'member','MemberExportSavedExportsTree','Saved
exports','folder.gif','folder_o.gif','MemberExportPro.Library','Tree.SavedExports',null)
```

6 Configuration

6.1 Exclude properties

When you want to exclude a property from the export options screen. You can add it to the `excludeProperties` elements of the `Memberexport.config` file. Create an exclude element such as below and add it to the config file

```
<exclude alias="[alias of your property here]"/>
```

By default the new technical properties of the Umbraco membership provide such as `LockOutDate` etc are ignored.

6.1.1 Fixed properties

Besides the user defined properties it's also possible to exclude fixed properties such as Name of the member. Excluding these properties work exactly the same as excluding normal properties, they are prefixed with `__member`. Below all the fixed properties

Alias	Description
<code>__memberName</code>	The name of the member
<code>__memberCreatedBy</code>	The user created the member (disabled by default)
<code>__memberCreated</code>	The date the member is created
<code>__memberId</code>	The node id of the member
<code>__memberLogin</code>	The login of the member
<code>__memberPassword</code>	The password of the member
<code>__memberEmail</code>	The email address of the member
<code>__memberType</code>	The member type
<code>__memberGroups</code>	A comma separated list of groups assigned to the member

6.2 Configure a custom Membership provider

When you have custom membership provider that derives from the normal membership provider you can configure the type on the `supportedMemberAPIProviders` element of the `memberexport.config` file.

```
<supportedMemberAPIProviders>
  <provider typeName="Customproviders.members.membershipprovider"/>
</supportedMemberAPIProviders>
```

This only works with membership provider that derives from the Umbraco membership provider. Or where you copied the code from the original Umbraco Membership provider and use the normal Umbraco tables to store member data, otherwise it will not work.

7 Troubleshooting

7.1 I don't see the MemberExport package in my members section

Make sure you have sufficient rights to install the package. See chapter 2, otherwise perform a manual installation see chapter 4.

7.2 My CSV file is messed up when opening in Excel.

Make sure that you set the correct options to display the CSV file. For Excel, choose ; as the delimiter and " as a string indicator.

7.3 I get an Invalid License exception.

Make sure you've bought the correct license for the (sub)domain, or an enterprise license and added the license file to the bin folder. Contact support@soetemansoftware.nl for help.

7.4 I get an Invalid Membership provider message.

MemberExport uses the Database directly and will therefore only work with the default Membership provider. Contact support@soetemansoftware.nl for help.