

Twitter Enterprise Web Part

Installation Instructions

© AMREIN ENGINEERING AG

Version 2.0

May 2013

AE Twitter Enterprise Web Part



The screenshot displays a Twitter Enterprise Web Part interface. At the top, it is titled "AE Twitter Enterprise Web Part". Below the title, there is a list of tweets. Each tweet entry includes a profile picture, the user's name, their bio, the tweet text, and the time it was posted. The tweets are as follows:

- SharePointRiver** (10 minutes ago): June 2013 CU for SharePoint 2007 has been released ow.ly/2xwMSg
- alex_knorr** (11 minutes ago): Information Security Specialist-SharePoint - monster bit.ly/14VTpWw
- EROL_MVP** (12 minutes ago): June 2013 CU for SharePoint 2013 is delayed lnkd.in/Fh8eZ8
- EROL_MVP** (12 minutes ago): June 2013 CU for SharePoint 2013 is delayed : blogs.technet.com/b/stefan_gossn...
- FabianMoritz** (13 minutes ago): Hat schon jemand bemerkt, dass das neue Microsoft Logo fast so aussieht, wie das von SharePoint Portal Server 2001? pic.twitter.com/DXp1JC2KAV
- stwool** (13 minutes ago): RT @hhariri "The whole world is falling apart. So, honestly, I'm just happy doing Sharepoint" #NDCoslo pic.twitter.com/lygzPijltB
- PointBeyond** (13 minutes ago): Today's webinar was great - cool demos of solutions delivered fast with no code and low risk using #K2 and #SharePoint
- kevinbird** (13 minutes ago): How did Microsoft manage to bring #SharePoint back from the dead? Here's how... bit.ly/13fzaG8

Description

The "Twitter Enterprise" Web Part allows to display the Tweets of the specified Twitter search or Twitter user. The list is automatically updated every 60 seconds from the central cache. You can define the cache retention time in minutes to prevent to pass the Twitter request limitations.

The Web Part can be used with Windows WSS 3.0, MOSS 2007, Sharepoint 2010 and Sharepoint 2013.

Installation

Manual Installation

1. download and unpack the **AETwitterEnterpriseWebpartV2.zip** file.
The ZIP archive contains the AETwitterEnterpriseWebpart.dll and the AETwitterEnterprise.webpart files.
2. drop the AETwitterEnterpriseWebpart.dll into the GAC of your Sharepoint server (c:\windows\assembly).
3. add the following line to the "<SafeControls>" section of your Web.Config file.
Please make sure that the line is added as one single line (no line breaks):

```
<SafeControl Assembly="AETwitterEnterpriseWebpart, Version=1.0.0.0, Culture=neutral,
PublicKeyToken=f1b9c7e1e2827ace" Namespace="AETwitterEnterpriseWebpart" TypeName="*" Safe="True" />
```

4. from the top site go to "Site Actions/Site Settings/Modify All Site Settings/Galleries/Web Parts"
5. use the "Upload" menu option to upload the AETwitterEnterprise.webpart file.

Automatic Installation (recommended)

1. Unpack the **AETwitterEnterpriseWebpart.wsp** and **Install.bat** (**install2010.bat** for Sharepoint 2010 or **install2013.bat** for Sharepoint 2013) files from the Zip Archive and place the 2 files onto your Sharepoint Server.
2. Add the Solution by either running **Install.bat** or manually entering:
`stsadm -o addsolution -filename AETwitterEnterpriseWebpart.wsp`
3. Deploy the solution by navigating with your browser to "Central Administration > System Settings > Farm Management > Manage farm solutions:



4. You should now see the **AETwitterEnterpriseWebpart.wsp** in the farm's solution store (solution management):
Click on "**AETwitterEnterpriseWebpart.wsp**" to deploy the solution:

| Site Actions | Name | Status | URL |
|------------------------------|---------------------------------------|--------------|-------------------------------------|
| Upgrade and Migration | aecolorcalendarwebpart.wsp | Deployed | http://ae-web2-cd.amrein.local/ |
| General Application Settings | aedigitalclockwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| Configuration Wizards | aediscussionrollupwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aedocsrollupwebpart.wsp | Deployed | http://ae-web2-cd.amrein.local/ |
| | aegeomapperwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aegoogleeearthwebpart.wsp | Deployed | http://ae-web2-cd.amrein.local/,... |
| | aegooglegaugewebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aegooglemapwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aelistitemwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aelistrotatorwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aemenuwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aesqleditwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aesqlfilterwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aesurveywebpart.wsp | Deployed | http://ae-web2-cd.amrein.local/ |
| | aetaskrollupwebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aetodaywebpart.wsp | Deployed | http://ae-web2-cd:35223/,... |
| | aetwitterenterprisewebpart.wsp | Not Deployed | None |

Click on "**Deploy Solution**":

Deploy Solution | Retract Solution | Back to Solutions

Name: aetwitterenterprisewebpart.wsp
 Type: Core Solution
 Contains Web Application Resource: Yes
 Contains Global Assembly: Yes
 Contains Code Access Security Policy: No
 Deployment Server Type: Front-end Web server

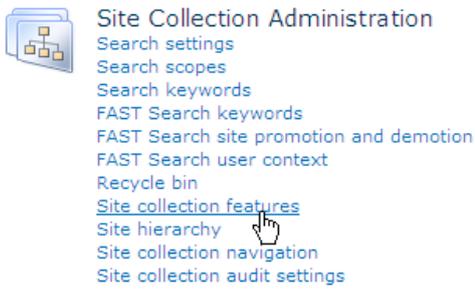
Close Central Administration.

5. Proceed to activate the feature by navigating to the "**Site Actions/Site Settings**" page in your top-level site:

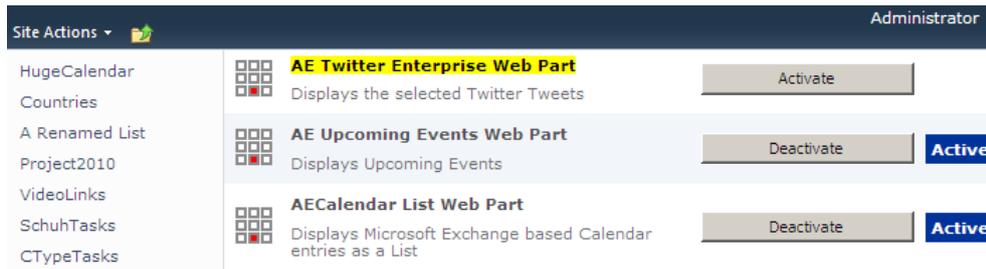
Site Actions | Browse | Page

- Edit Page: Edit the contents of this page.
- Sync to SharePoint Workspace: Create a synchronized copy of this site on your computer.
- New Page: Create a page you can customize.
- New Document Library: Create a place to store and share documents.
- New Site: Create a site for a team or project.
- More Options...: Create other types of pages, lists, libraries, and sites.
- View All Site Content: View all libraries and lists in this site.
- Edit in SharePoint Designer: Create or edit lists, pages, and workflows, or adjust settings.
- Site Permissions: Give people access to this site.
- Site Settings**: Access all settings for this site.

6. Choose "Site collection features" to navigate to the Site Collection Features page:



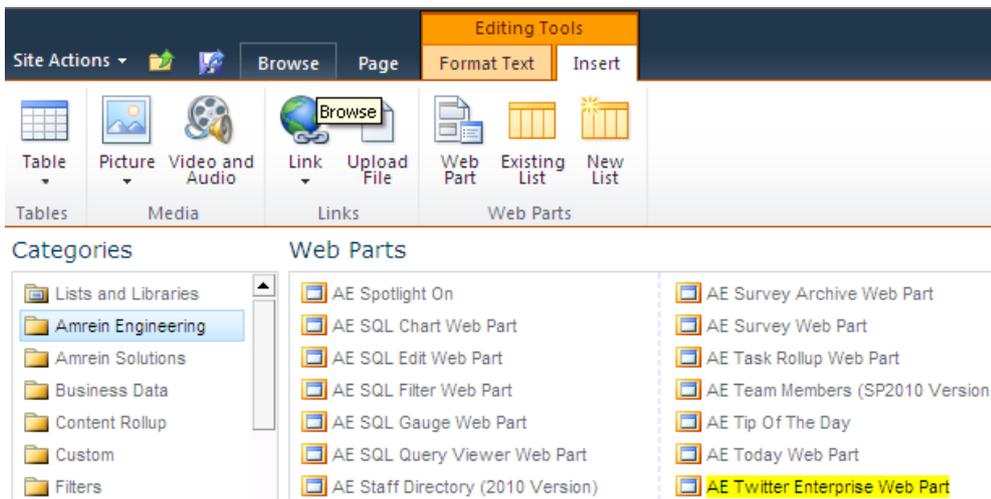
7. Activate the "AE Twitter Enterprise Web Part" feature.



Adding the Web Part to a Page

Navigate to a page where you would like to place the web part and choose "Site Actions/Edit Page"

Add the web part to the appropriate zone. The web part is listed in the "Amrein Engineering" gallery section:



Web Part Configuration

Configure the following Web Part properties in the Web Part Editor "Miscellaneous" pane section as needed:

- **Twitter Search String:** Enter the name of the Twitter search string, Twitter user name or Twitter user list.
You can also pass this value either via the page URL by specifying the "twitter" querystring parameter or use a Web Part Connection to connect the Twitter web part to a Filter web part which will then provide this value interactively.

Examples for Twitter Search:

Twitter User Name: @EUSP

Twitter Search: Sharepoint

Twitter User List: @juergam/JuergsList

(also see next page for more examples)

Please note that the new Twitter API needs authentication, so you will have to login to www.twitter.com and then go to <https://dev.twitter.com/apps> where you need to "create a new application".

You then will need to fill out the first 3 fields (you can enter a dummy name into the "Website" field).

Please then save the four keys and enter them into the below 4 web part settings:

- **Twitter Consumer Key**
Twitter Consumer Secret
Twitter Access Token
Twitter Access Token Secret
- **Max. nbr. of Tweets to show:**
enter the number of tweets to include in the list. The old list slides down.
- **Web Part width:**
enter the desired web part **width** in pixels
- **Show Avatars:**
show or hide the avatar icons
- **Show Scrollbar:**
show or hide the vertical scroll bar
- **Show Timestamps:**
show or hide the time stamps
- **Show Timestamps:**
show or hide the "Reply" links
- **Show Retweet links:**
show or hide the "Retweet" links
- **Show Favorite links:**
show or hide the "Favorite" links
- **Tweet Background Color:**
enter the desired Tweet area background color as an RRGGBB value
- **Tweet Text Color:** enter the desired Tweets color as an RRGGBB value
- **Text CSS Style:** enter the optional Tweet area CSS style(s)
- **Header Text:** enter an optional header text
- **Footer Text:** enter an optional footer text
- **Cache Retention Time (min.):**
enter the desired cache duration in minutes. The web part itself updates every 60 seconds from cache if Cache Retention Time is set.
Set to "-1" for "automated" mode to prevent to be blacklisted.
- **License Key:**
enter the web part License Key. For other options see "License Activation" further below

AE Twitter Enterprise Web Part

2013 AMREIN ENGINEERING AG
Version 2.0.1
Updated 6/12/2013 12:45:52 PM:
173 remaining Twitter requests until
6/12/2013 12:45:30 PM.
Calculated cache time: 1 minute

+ Appearance
+ Layout
+ Advanced
- Miscellaneous

Twitter Search String
Sharepoint

Twitter Consumer Key
IqNUACvKpuo44vHLsggIQ

Twitter Consumer Secret
VgLSsQCjHcZnpSxLY6QW3eFJd

Twitter Access Token
89830699-3cLcaUl6GnR8Un0Yj

Twitter Access Token Secret
MjBLiyifpTaf3cqepISzRd5oTaCQ

Max nbr. of Tweets to show
8

Web Part width (px)
-1

Show Avatars
 Show Scrollbar
 Show Timestamps
 Show Reply Links
 Show Retweet Links
 Show Favorite Links

Tweet Background Color
fafafa

Tweet Text Color
444444

Text CSS Style
font:10pt segoe ui;background

Header Text
<div style="background-color:

Footer Text

Only Tweets which are no

Cache Retention Time (min.)
-1

License Key

OK Cancel Apply

More Twitter Search String Examples

twitter search

containing both "twitter" and "search". This is the default operator.

"happy hour"

containing the exact phrase "happy hour"

love OR hate

containing either "love" or "hate" (or both)

beer -root containing "

beer" but not "root"

#haiku

containing the hashtag "haiku"

from:twitterapi

sent from the user @twitterapi

to:twitterapi

sent to the user @twitterapi

place:opentable:2

about the place with OpenTable ID 2

place:247f43d441defc03

about the place with Twitter ID 247f43d441defc03

@twitterapi

mentioning @twitterapi

superhero since:2011-05-09

containing "superhero" and sent since date "2011-05-09" (year-month-day).

twitterapi until:2011-05-09

containing "twitterapi" and sent before the date "2011-05-09".

movie -scary :)

containing "movie", but not "scary", and with a positive attitude.

flight :(

containing "flight" and with a negative attitude.

traffic ?

containing "traffic" and asking a question.

hilarious filter:links

containing "hilarious" and with a URL.

news source:tweet_button

containing "news" and entered via the Tweet Button

@nasa/mars

Twitter list "mars" from user @nasa.

License Activation

You have the following 3 options to enter your License Key:

1. Enter the License Key into the corresponding "License Key" field in the web part configuration pane (See Description above).

2. WSP Solution Deployment:

Add the **License.txt** file (as supplied by AMREIN ENGINEERING after having purchased a license) to the Solution at the following location:

SP2007:

`c:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\12\template\features\AETwitterEnterpriseWebpart`

SP2010 and SP2013:

`c:\Program Files\Common Files\Microsoft Shared\Web Server Extensions\14\template\features\AETwitterEnterpriseWebpart`

3. Manual Deployment:

Add the License Key to your web.config (typically found at `c:\inetpub\wwwroot\wss\virtualdirectories\80`) `<appSettings>` section as follows:

```
<appSettings>
  <add key="AETW" value="AETW-x-xxxxx-xxxxx-xx-xx" />
</appSettings>
```

Replace the "x" characters with your actual key values.

Please note that this method requires you to manually add the key to each Sharepoint application.