

Partname Web Part

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WHAT'S NEW

Version 1.0.0.0

- First customer specific release.

Version 1.0.1.0

- First public release

INSTALLATION

- 1) Copy NavigationTrail.cab to a local directory on your SharePoint server.
- 2) Run stsadm.exe to register the web part the way you like:
e.g.:
STSADM.exe -o addwppack -filename C:\WebParts\ NavigationTrail.cab -globalinstall
Please consult your SharePoint documentation or the command line help
(stsadm.exe -?) for more information about installing web parts with stsadm.exe.
- 3) Restart IIS (e.g. by running iisreset.exe)

After performing those three steps, you'll find the Navigation Trail web part in the Virtual Server Web Part Library.

HASHER

See the "Usage of the impersonation feature" section later in this document for details on how to use the impersonation feature and hasher.exe.

UPGRADE FROM PREVIOUS VERSIONS

There is no previous version at the moment

USAGE

Free vs. Full Version

The free demo version of NavigationTrail is fully functional. The only difference to the full version is a copyright notice at the bottom. Go to <http://sharepoint.advis.ch> to get the full version.

Platform

Navigation Trail runs on:

- Microsoft Windows SharePoint Services 2.0
- Microsoft Office SharePoint Portal Server 2003

Overview

ADVIS Navigation Trail is an easy to use navigation web part that shows a "breadcrumb trail" from the current site back up to the site collection root or portal site.

e.g.

Portal > My Team Site > My Team Subsite

The trail can be fully customized:

- Stop the breadcrumb trail at the site collection root or portal site
- Specify your own custom divider between the site titles
- Impersonate as another user to build the trail
- Apply custom CSS classes to each element

Web Part Properties

Place the Navigation Trail web part on a site to show the breadcrumb trail back to the root of the site collection or portal.

Usage of the impersonation feature

Navigation Trail lets you specify another user account to scan the parent sites. This feature is useful if you want to use Navigation Trail to show the breadcrumb trail back to the root even if you don't have access to every parent site. Because we don't like clear text user names and passwords in configuration files, Navigation Trail uses a hashed string of the impersonation user's credentials. This credentials hash is created with hasher.exe.

Perform the following 4 steps to implement and use impersonation:

- 1) Identify a user account with the necessary access rights to read and list the parent sites.
- 2) Use hasher.exe to create a hashed string of this user's credentials:
 - Start hasher.exe
 - Enter user name, password and domain of the impersonation user
 - Click on "Get Hash" to get the hashed credentials string. The hashed string is shown in the "Credentials hash" field and copied to the clipboard when you click on "Get Hash".
- 3) Add the hashed credentials to machine.config or web.config of your server:
Open machine.config or web.config depending on if you want to configure the impersonation for the whole physical server (machine.config) or per virtual server (web.config).

machine.config is located at C:\WINDOWS\Microsoft.NET\Framework\v1.1.4322\CONFIG,
web.config is located at the root directory of your web site.

Add the following line in the <appSettings> section:

```
<add key="NavigationCredentials" value="your-generated-credentials-hash" />
```

Caution: You probably have to uncomment the <appSettings> section!

This part of machine.config should now look something like this:

```
...  
</configSections>  
<appSettings>  
  <add key="NavigationCredentials" value="your-generated-credentials-hash" />  
</appSettings>  
...
```

- 4) Set NavigationTrails impersonation properties:
On the page containing Navigation Trail edit Navigation Trail's properties:
 - Set "Impersonation" to true
 - Ensure that the "CredentialsKey" matches the key name (key=...) specified in step 3 above.

Set the following web part properties according to your preferences:

Navigation Trail Settings section

Stop Breadcrumb Trail At

*Property name:*Root

Description: Use this property to specify where to stop the breadcrumb trail: at the site collection root or at the portal root.

- SiteCollectionRoot:

This is the default setting. The breadcrumb goes up to the site collection root.

- Portal:

The leftmost link shown is the portal link as specified in the site collection root site. There are no special security implications when using this setting as the portal link is read out from the site collection root site.

Values: <SiteCollectionRoot|Portal>

Default value: SiteCollectionRoot

Divider

*Property name:*Divider

Description: This property specifies the text to be placed between the site titles of the breadcrumb trail. You have to specify the exact string including spaces.

Values: <string>

Default: " > "

Impersonation

*Property name:*Impersonation

Description: Use this property to specify that NavigationTrail should use another user account to scan the parent sites ("impersonate as another user"). See the "Usage of the impersonation feature" section earlier in this document for details on how to use the impersonation feature.

Values: <true|false>

Default value: false

Credentials Key

Property name: CredentialsKey

Description: Name of the application settings key in web.config or machine.config, containing the hashed credentials of the impersonation user account. See the "Usage of the impersonation feature" section earlier in this document for details on how to use the impersonation feature.

Values: <string>

Default value: "NavigationCredentials"

CSS Class for whole Navigaton Trail

Property name: ClassNT

Description: CSS class used in tags wrapping the whole navigation trail. Leave blank for page default. The class has to be defined on the page itself or in a linked .css file.

Values: [CSS class]

Default value: "" (empty)

CSS Class for Portal Link

Property name: ClassNTPortal

Description: Special CSS class to wrap the portal site link. Applied with tags. Leave blank for page default <a> class. The class has to be defined on the page itself or in a linked .css file.

Values: [CSS class]

Default value: "" (empty)

CSS Class for Parent Site Links

Property name: ClassNTParentSites

Description: CSS class used in tags wrapping the parent site links. Leave blank for page default <a> class. The class has to be defined on the page itself or in a linked .css file.

Values: [CSS class]

Default value: "" (empty)

CSS Class for Current Site

Property name: ClassNTCurrentSite

Description: CSS class used in tags wrapping the current site. Leave blank for page default. The class has to be defined on the page itself or in a linked .css file.

Values: [CSS class]

Default value: "" (empty)

CSS Class for Dividers

Property name: ClassNTDivider

Description: CSS class used in tags wrapping the dividers. Leave blank for page default. The class has to be defined on the page itself or in a linked .css file.

Values: [CSS class]

Default value: "" (empty)

FREQUENTLY ASKED QUESTIONS

- Q** I installed a demo of your Navigation Trail but realized that it was only for sites. What I really need is a breadcrumb trail for areas under the existing portal site. Can that be accomplished with either something that you folks produce or through some simple SharePoint Object Model reference? Forgive me if this is a silly question, I'm fairly new to SharePoint.
- A** There is a built-in breadcrumb trail web part for areas in SPS.
- Simply go to the portal web part library (http://yourportal/_catalogs/wp/Forms/AllItems.aspx) and add the Microsoft.SharePoint.Portal.WebControls.BreadCrumbTrail web part.
- Q** I would like to place the navigation trail to the left of the search box. I believe this could be possible by editing the default.aspx page in the STS and SPS templates. Is there anyone who tried this before? If there is any way, that anyone is aware of to achieve it, please post the same. Thanks.
- A** The easiest way is to design your page and add all your web parts by using FrontPage 2003. Then, save this site as a template and use this template for your new sites.