Installation Guide

Important

Breeze 5 can support single sign-on from an external system via modifications to it's configuration to support HTTP Header Authentication. However, additional modifications must be made in order for this authentication to work with the XML API. By making these modifications, any external system that can process HTTP requests will be able to communicate to a Breeze 5 server's XML API without having to reauthenticate.

Information

Installation instructions for the breeze tool for system administrators.

Pre-requisite

This tool is designed to work with **Sakai Schedule tool**. So before adding this tool in any Sakai site, please make sure the site has **Sakai Schedule tool** installed correctly. Once done by integrating both Sakai Schedule tool and Sakai Breeze tool in a Sakai site, all **Meeting** event created in Sakai Schedule tool will be automatically added a link to the corresponding Breeze Server, which will be concerned in the next steps.

How to get the source code and build breeze tool

- Breeze works on Sakai 2.4, it **may** work on earlier versions but this is at your own risk

1. Change to your sakai source directory (e.g. /opt/sakai-2.4/)
2. Run **svn co** https://source.sakaiproject.org/contrib/caret/breeze/trunk **breeze**
    - **Note:** Subversion will create a breeze directory for you, you can use any directory name you like, just change the last word of the svn command
3. Change to your breeze source directory (e.g. /opt/<sakai-src>/breeze/)
4. Run **maven sakai**
    a. If it fails, go and open your **build.properties** file under $USER_HOME/ directory, check if it includes all the source repository information here:
       maven.repo.remote = http://source.sakaiproject.org/maven/,http://ponder.org.uk/maven,http://www2.caret.cam.ac.uk/maven
       then go back to breeze source directory and run **maven sakai** again.
    b. If it still fails, check the build log to see if any library file failed to be downloaded. If so, download them from http://www2.caret.cam.ac.uk/maven/ into library repository (by **project.properties** file you can get the version of libraries needed, usually it should be the latest), which is in **$USER_HOME/.maven/repository/** directory.

How to install this application in Sakai

1. Start tomcat
2. Login to sakai as an admin user: (e.g. **admin**, password: **admin**)
3. In the **workspace** panel, click **My Workspace**
4. In the left panel, click **Sites**
5. In the **Sites** function pages panel, click **New Site**
6. Name the new sites **Site Id** as **breeze** or any other words.
7. Click **Save** button at bottom to finish its creation.
8. Click **Worksite Setup** in the left panel.
9. Click the newly created site name, click **Revise** in the **Worksite Setup** function page panel.
10. Click **Edit Tools** in the function panel.
11. Select **Aurai - Sakai Breeze Integration. Sakai Breeze Integration Tool** in the list, click **Continue** button, click **Finish** button.
12. Enter the new site by clicking it in the workspace panel.
13. If **Aurai - Sakai Breeze Integration** appears in the left panel, congratulations! You've installed breeze tool.

> ✅ There could be some configuration problems, just ignore them for now. They will be solved in the next Configuration steps.

Setup Breeze Server before configuring Sakai

- Make sure your Breeze Server software is updated

1. Configure breeze server web.xml
    a. Open the file $BreezeFolder\appserv\conf\WEB-INF\web.xml and remove the comments surrounding the HeaderAuthenticationFilter group.
    b. Comment out the **<init-param>** tag surrounding the **/api/ <param-value>** within the **HeaderAuthenticationFilter** group. Then this part should be like this:

```
  <filter>
    <filter-name>HeaderAuthenticationFilter</filter-name>
    <filter-class>com.macromedia.airspeed.servlet.filter.HeaderAuthenticationFilter</filter-class>
<!--
    <init-param>
      <param-name>ignore-pattern-0</param-name>
      <param-value>/api/</param-value>
    </init-param>
-->
    <init-param>
      <param-name>ignore-pattern-1</param-name>
      <param-value>/common/</param-value>
    </init-param>
    <init-param>
      <param-name>ignore-pattern-2</param-name>
      <param-value>/servlet/gateway/</param-value>
    </init-param>
    <init-param>
      <param-name>ignore-pattern-3</param-name>
      <param-value>/servlet/mirror</param-value>
    </init-param>
    <init-param>
      <param-name>ignore-pattern-4</param-name>
      <param-value>/servlet/testbuilder</param-value>
    </init-param>
    <init-param>
      <param-name>ignore-pattern-5</param-name>
      <param-value>/cfbreeze-war/</param-value>
    </init-param>
  </filter>
```

2. Configure **custom.ini**
   a. Open the file $BreezeFolder\custom.ini and add an entry for the name of the custom header

```
HTTP_AUTH_HEADER=My-header-name
```

   b. My-header-name should be protected as much as a password, although it is written as plain text in breeze server.
3. Restart Breeze server

Permissions

- This tool uses full Sakai permissions, without them set correctly, the user will not have
  any options appear when they enter the tool (unless an admin has setup some meetings, in which case they can join them)

1. Make sure your site maintainer has the following permissions
   - For accessing the options and sceduling events in the tool
     a. conf.sched.admin
     b. site.view
     c. site.upd
   - For creating meetings in Schedule
     a. calendar.delete.own
     b. calendar.new
     c. calendar.read
     d. calendar.revise.own

- No special permissions are needed to view and join events at this time

How to configure breeze tool

1. Login to sakai as user: **admin**, password: **admin**
2. Enter the **breeze** site by clicking it in the workspace panel.
3. Click **Aurai - Sakai Breeze Integration** in the left panel.
4. Click **Options** in the functional panel.
5. Fill in the boxes with the following information:

```
Breeze User:          user@mycompany.com
Breeze Server:        http://breeze.mycompany.com/
Http Header:          My-header-name
```

     a. **user@mcompany.com** is a user on the Breeze server.
     b. http://breeze.mycompany.com/ is the Breeze server's URL
     c. **My-header-name** is the header you set in **Pre-works on Breeze Server before configuring Sakai** chapter.
6. Click **Update Configurations**
7. If **Scheduled Meetings** and **Expired Meetings** bold words appear, congratulations! You have successfully configured it right.

How to use breeze tool

1. Breeze tool lists all the Scheduled Meetings and Expired Meetings in its page, click the link will lead you in the corresponding breeze meeting without asking for username or password.
2. For detail, please refer to Users Guide.
3. For how to use breeze, please refer to http://www.adobe.com/products/acrobatconnectpro/.