Installing TeamLab on a Local Server

This guide is intended for users with basic knowledge of Windows administration

The TeamLab portal includes:

- TeamlabSvc — theTeamLab portal core service. Designed for user processing and portal configuration. It is also used to launch the TM Talk IM server. This service also includes an embedded web server.

- Web Studio — a website where all products and modules are located.

- Additional auxiliary utilities.

Portal Compilation

1. Compiling source code. This can be performed in one of the following ways:

    1. With the help of a .bat file that can be found here: **asc\BuildRed.bat**

    2. With the help of MS Visual Studio 2008. Open the solution **TeamLab.sln** file in MS Visual Studio 2008. Compile the solution, next launch the **asc\Deploy.bat** file. This will combine all the source code into an integrated whole.

2. Once the source code is compiled, the portal binary files will be located in the **_ci\deploy** folder, **TeamlabSvc** can be found in the **ci\deploy\service** folder, and **Web Studio** can be found in the **_ci\deploy\web.studio** folder.

Server System Requirements

MS .Net Framework 3.5 SP1 must be installed
CPU: 1.7GHz or higher
RAM: 1Gb or higher
Operating System: Windows XP SP2 or later. *If you plan to use the portal for simultaneous work of more than 15-20 users, we recommend installing the portal on a computer/server with a server OS (Win2003 or Win2008).*

Deploying Portal on the Intranet

For a mid-size portal it will be sufficient to deploy it in its default configuration:

- DB: SQLite3
- Web Server: ASC embedded web server.

Suppose you'll need to deploy the portal on a computer named **srv003** to the following folder: **c:\teamlab**. (these are just the example names, when performing the operation please use your own computer and folder names.)

1. Copy all the contents of the folder **_ci\deploy** to **c:\teamlab**.

2. Go **c:\teamlab\service**. Open the **TeamLabSvc.exe.Config** configuration file. Find the the **appSettings** section where you'll need to find and modify the following keys:

    a. **webport**. The TCP/IP port on which the embedded web server will be launched. If there is no other web server (for example, IIS) launched on srv003, set the value to 80 which is the default http port. In this case the portal will be available at the following address: **http://srv003/**. Otherwise, the portal will be available at http://srv003:[webport]/

    b. Set **workcontextproperties** as follows: **Notify.Log=false;Notify.LogOnly=false;**. This will enable sending notifications. By default notifications are just registered to a log file.

3. Go **c:\teamlab\web.studio.** Open the **web.appsettings.config** configuration file. Find the **appSettings** section where you'll need to find and modify the following keys:

    a. **asc.core.users.user-display-format.** This setting can be either removed or changed to that of your personal choice. It is used for setting user name display format: FirstName LastName({1} {0}) or LastName FirstName({0} {1}). If it is not specified otherwise, the FirstName LastName will be used by default.

4. Go **c:\teamlab\web.studio\talk.** In the selected folder open the **web.config** configuration file. Next find the **appSettings** section where you'll need to find and modify the following key:

    a. Set **JabberAddress** to srv003 (i. e., your computer network name). The setting is responsible for the correct connection of jabber clients to the TM Talk server. This setting will be also displayed on the **talk/default.aspx** page. By default it is localhost meaning that TM Talk will only work on the computer where the portal is installed.

5. Set the portal as **Windows Service**. Setting the portal as a Windows service, rather than a console application, will enable the portal to operate in the stand-alone mode. To do that, please follow these steps:

    a. Create the **install.bat** file in the **c:\teamlab\service** folder.

    b. Open **install.bat** in Notepad and enter the following text:
    sc create TeamLabPortal binPath= "c:\teamlab\service\TeamLabSvc.exe" start=auto

    Please enter the text exactly as provided above.

    c. Save the file and launch it.

    d. Go **Control Panel ->Administrative Tools,** open **Services**, find the **TeamLabPortal** service in the list and start it.

6. Your portal is now available at http://srv003:[webport]/. You will be able to login with the following user name and password:

    User Name: admin
    Password: admin

7. After you have logged in, there are several important things to be done inside the portal:

    a. Configure SMTP settings so that notifications and other e-mails can be sent to users from the portal.

    b. Add yourself to the list of the portal users providing your personal data. After that a notification e-mail with a password will be sent to the e-mail address you specified when creating your account. You'll be able to change password for the user you have just added.

    c. Add the created user to administators

    d. Sign out in order to close the admin session and sign in again using the data of your personal account that you have just created. When you are signed in, delete the admin user profile. This is done to avoid collisions, because the **admin** user has a non-unique ID.

    e. Enter a name for the portal and load its logo.

    f. Invite your co-workers to the portal.

Warnings

Attention! The above described configuration is not recommended for deploying the portal on the Internet. For instructions on deploying on the Internet, please refer to the corresponding section below.

Attention! All the portal data are stored in the **service** and **web.studio** folders. Some important files are listed below:

- service\coredb.db — TeamLabSvc core service database
- web.studio\App_Data\ - the portal common databases
- web.studio\data\ - files loaded to the portal
- web.studio\Products\Community\Modules\Blogs\App_Data\ - blog database
- web.studio\Products\Community\Modules\Blogs\Data\ - files loaded to the blog module
- web.studio\Products\Community\Modules\Bookmarking\App_Data\ - bookmarks database
- web.studio\Products\Community\Modules\Bookmarking\Data\ - files loaded to bookmarks
- web.studio\Products\Community\Modules\Forum\App_Data\ - forums database
- web.studio\Products\Community\Modules\Forum\Data\ - files loaded to forums
- web.studio\Products\Community\Modules\News\App_Data\ - events database
- web.studio\Products\Community\Modules\News\Data\ - files loaded to the events module
- web.studio\Products\Community\Modules\PhotoManager\App_Data\ - photo database
- web.studio\Products\Community\Modules\PhotoManager\Data\ - files loaded to the photos module
- web.studio\Products\Community\Modules\Wiki\App_Data\ - wiki database
- web.studio\Products\Community\Modules\Wiki\Data\ - files loaded to wiki
- web.studio\Products\Projects\App_Data\ - projects database
- web.studio\Products\Projects\Data\ - files loaded to projects

Deploying Portal on the Internet

The only difference from the Intranet configuration consists in that the website will operate under a more powerful and secure web server Microsoft IIS included into Win2003 and Win2008 packages.

Configuring is performed in much the same way as for the Intranet. In addition to the steps described in the **Deploying Portal on the Intranet** section above, you´ll also need to perform the following operations:

1. Go **c:\teamlab\service**. Open the**TeamLabSvc.exe.Config** configuration file. In the opened file find and modify the following key:

    a. change **launch** from “all” to “core,services”.

2. Configure a website with the root directory **c:\teamlab\web.studio** in IIS.

3. Give maximum permissions to the account under which the site will operate (NETWORK SERVICE by default) to the directory **c:\teamlab\web.studio** All changes performed during the portal functioning (creating folders, modifying/deleting files etc.) will be saved to this directory.

Warnings

Attention! If your site is hosted under IIS, you'll need to start it strictly in the following order: start the TeamLabPortal core service first, then launch the site itself. If the core service is restarted, the site must be restarted as well.

Attention! The **Idle Timeout** parameter must be set to zero in the website **Application Pool** settings, so that the the application pool doesn't stop when idling. If the application pool stops, the **What’s New** notifications may fail to be sent.

Configuring TeamLab to work with MySQL

TeamLab is by default configured to work with SQLite. The portal migration from SQLite to MySQL can be performed only after deploying the portal (Deploying Portal on the Intranet steps 1-7 of this instruction)

1. Edit file _ci\deploy\service\TeamLabSvc.exe.Config

    a. Add line <add name="MySQL Data Provider" invariant="MySql.Data.MySqlClient" description=".Net Framework Data Provider for MySQL" type="MySql.Data.MySqlClient.MySqlClientFactory, MySql.Data" /> to section <DbProviderFactories>

    b. Change the database connection line in the following section: <connectionStrings> <add name="core" connectionString="Your database connection line" providerName="MySql.Data.MySqlClient" />

2. Edit file _ci\deploy\web.studio\web.connections.config
   Change connection lines for modules from SQLite to MySQL, as described in 1(a).

3. Edit file _ci\deploy\web.studio\Products\Projects\Configuration\hibernate.cfg.xml

    a. Change the “Dialect” property from “ASC.Data.NHibernate.SQLiteDialect, ASC.Common” to “NHibernate.Dialect.MySQLDialect”.

    b. Change the database connection line (the “connection.connection_string” property).

    c. Change the “connection.driver_class” property from “NHibernate.Driver.SQLite20Driver, NHibernate” to “NHibernate.Driver.MySqlDataDriver, Nhibernate”

4. In MySQL, run the SQL script located in the following path: SQL_Scripts\teamlab_mysql.sql