



APS Administrator.ST

Extending Web Module for APS Administrator

Web application for student attendance display

Installation and User's Guide



techfass

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2 Product description

The *APS Administrator.ST* application extends the *APS Administrator* program package with the possibility to display the actual user attendance data using a web browser. By the conception of data presentation, it is suitable for use in school environment, where it enables to display attendance of students for the teachers and attendance of own children for the parents.

The application uses modern responsive front-end framework Foundation, which enables its use on every device with a web browser.

Minimal required *APS Administrator* database version is *80*.

2.1 License terms and conditions

The system must contain proper T&A licenses to meet the terms for this extending module use. In *APS mini Plus* system each reader, which is used for T&A data collection, must be equipped with a *MLA* license. In *APS 400* system each system controller, which contains a reader, which is used for T&A data collection, must be equipped with a *TA* license.

3 Installation of the application, supporting functions and services

The manual for installation of the application and the web server is located in a separate document [Step by step manual for webserver installation](#), which is available on the *Techfass* portal.

4 Basic settings

For running the application, it is necessary to set the *ConnectionString* in the *Web.config* file correctly. The file is located in *aps.administrator.st* folder. Open the configuration file and change the following record:

```
<add name = "APSCConnectionString" connectionString = "server = (LOCAL); Database = APS400nAdministrator; Trusted_connection = false; User Id = sa; Password = Password;" providerName = "System.Data.SqlClient" />
```

You have to change the setting due to the type of *SQL server* installation. If the installation was made according to the [Step by step manual for SQL server installation](#) then it is sufficient to change the value of the *Password* attribute to the actual password for the *sa* (system administrator) account, which was set during the SQL Server installation. Mentioned facts are only valid, if you run the database server on the same computer as the web application.

If the SQL Server was installed in another fashion than recommended, set the connection string due to the actual server setting.

Do not forget that in the default SQL Server Express Edition installation the Named Instance is installed. In that case you need to set a value in format *COMPUTER_NAME\INSTANCE_NAME* for the *Server* attribute. The *COMPUTER_NAME* is the computer which runs the SQL server and the *INSTANCE_NAME* is the name of the instance, which is *SQLEXPRESS* by default.

5 Testing the application

The Web App begins to run when the HTTP server receives a properly formulated request from a client (in this case his web browser). Run a web browser at the server and enter a request in the *Adress* line in following format:

```
http://COMPUTER_NAME/aps.administrator.st/default.aspx
```

COMPUTER_NAME is Windows name of your computer or IP address of the computer.

Used address is valid only if a standard installation on default port (80) is used and the application is located in the *aps.administrator.st* folder.

If everything is configured correctly, a page a with login form will appear. In the other case a page with an error message will appear and it is necessary to change the configuration.

The most frequent mistakes are:

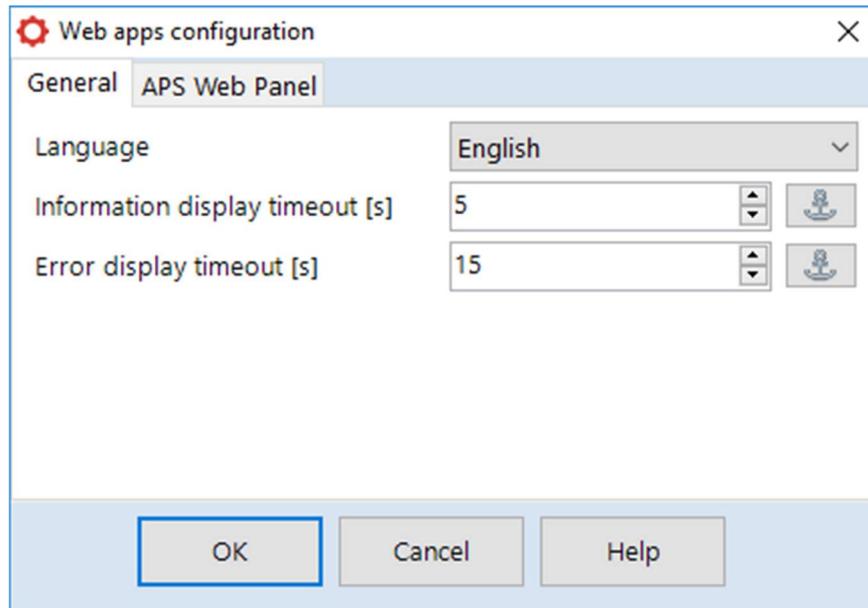
- Incorrect *SQL server* name
- Incorrect password for the *sa* account in the ConnectionString configuration

6 Setting the Application

All parameters can be set in APS Administrator > Configuration > Web app setting.

6.1 Changing parameters – application language

Available languages are: *CZ* (Czech), *EN* (English) and *PL* (Polish)



Pic.1: Web apps configuration

6.2 Displayed data

The setting of data, which are requested to be displayed in the *APS Administrator.ST* application, is done in the *APS T&A* program.

First it is necessary to perform the basic T&A system setting (see the User's guide to the *APS T&A* program), i.e. define the T&A statuses and rules for their originating by users' identification on connected HW.

Consequently, it is necessary to define a set of statuses, which will be displayed in the web application. Each status, which is requested to be displayed in the APS Administrator.ST application, has to have the *Display in APS Administrator.ST* option checked in the status configuration dialog in APS T&A.

The *color setting* of the status display is also taken from the status definition.

6.3 Rights for working with the application

For the correct running of the application it is necessary to assign the specific rights to the users.

All rights are to be assigned in *APS Administrator*. To know how to assign the rights check APS Administrator User's Guide part 4.1.4.

6.3.1 Parent

To log in as a parent to see the attendance data of own child, it is sufficient that the student's personal list has *valid login credentials*, which are used by the parent to log in. No other rights have to be assigned to the personal list.

6.3.2 Teacher

To log in as a teacher to be able to see attendance data of students in assigned classes, it is required, that the user has *Time and attendance operator* right assigned, and at the same time the user has to be assigned to relevant folders (representing the classes) as *Authorized user*.

6.3.3 Administrator

A user with *Administrator* privilege or *Time and attendance administrator* has a full access to the application. Such user is able to see data of all users in all folders.

7 Using APS Web Panel

7.1 Login

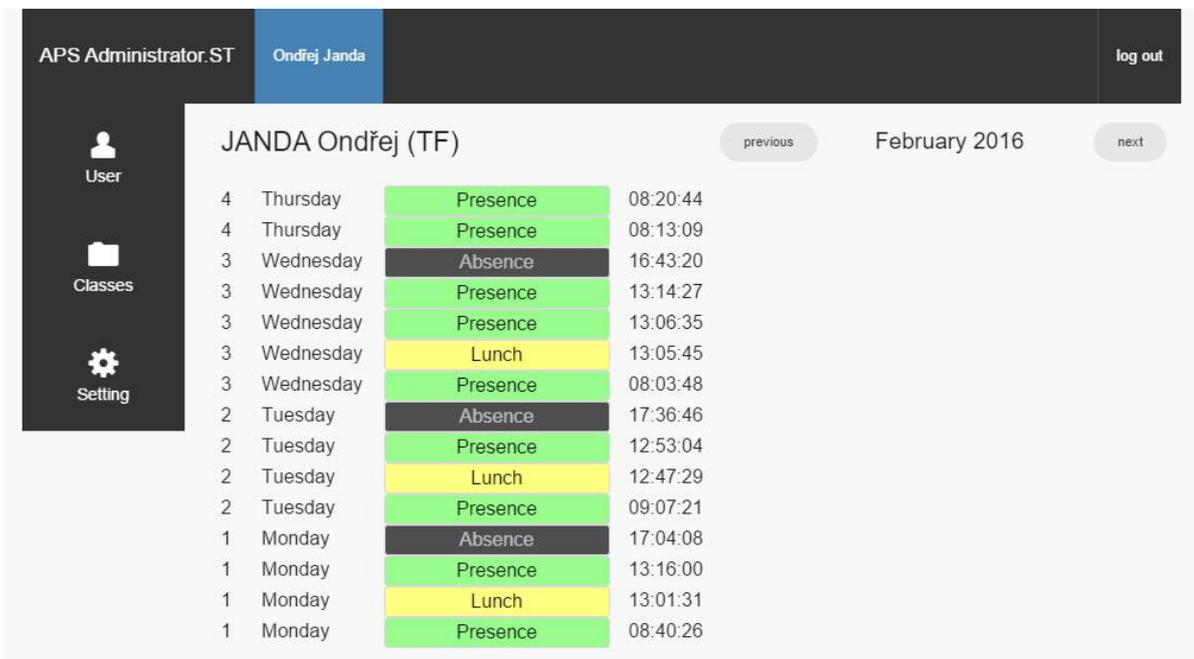
The login credentials are common with the ones used for *APS Administrator*. The login dialog is displayed in *pic. 2*.



Pic. 2: Log in to the application

7.2 User's data

After logging in the data of logged user are displayed (*pic. 3*). To display data from previous and next month the *previous* and *next* buttons can be used.



Day	Date	Status	Time
Thursday	4	Presence	08:20:44
Thursday	4	Presence	08:13:09
Wednesday	3	Absence	16:43:20
Wednesday	3	Presence	13:14:27
Wednesday	3	Presence	13:06:35
Wednesday	3	Lunch	13:05:45
Wednesday	3	Presence	08:03:48
Tuesday	2	Absence	17:36:46
Tuesday	2	Presence	12:53:04
Tuesday	2	Lunch	12:47:29
Tuesday	2	Presence	09:07:21
Monday	1	Absence	17:04:08
Monday	1	Presence	13:16:00
Monday	1	Lunch	13:01:31
Monday	1	Presence	08:40:26

Pic. 3: User's data

Similar data overview is displayed, if a teacher or administrator displays data of selected user.

7.3 Classes

In the Classes section a list of classes, which are accessible for logged user, is displayed (pic. 4). After a class link is opened, an overview of data of contained students is displayed (pic. 5).



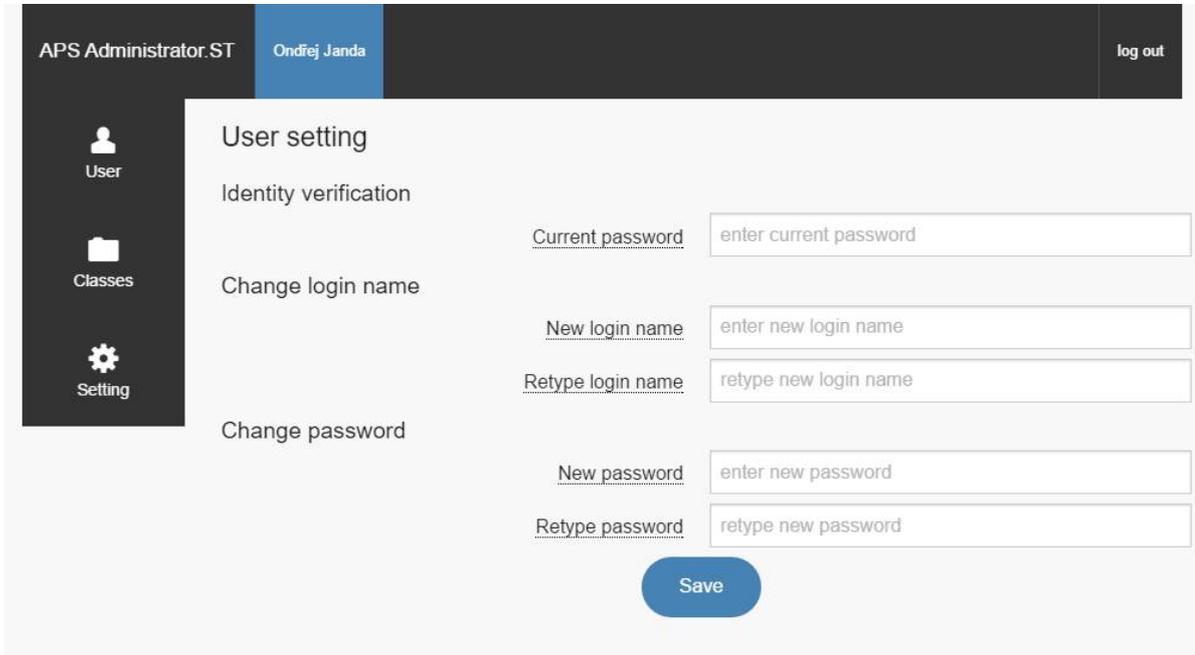
Pic. 4: Classes list



Pic. 5: List of students in selected class

7.4 Settings

In the Setting section a user can change his login name and password. It is necessary to fill in the current password for user's identity verification.



The screenshot shows the 'User setting' page in the Techfass application. The top navigation bar includes 'APS Administrator.ST', the user name 'Ondřej Janda', and a 'log out' button. A left sidebar contains icons for 'User', 'Classes', and 'Setting'. The main content area is titled 'User setting' and contains the following sections:

- Identity verification**: A form with a 'Current password' field containing the placeholder text 'enter current password'.
- Change login name**: A form with three fields: 'New login name' (placeholder: 'enter new login name'), 'Retype login name' (placeholder: 'retype new login name'), and 'New password' (placeholder: 'enter new password').
- Change password**: A form with two fields: 'New password' (placeholder: 'enter new password') and 'Retype password' (placeholder: 'retype new password').

A blue 'Save' button is located at the bottom center of the form area.

Pic. 6: List of students in selected class