

# Agentilo Mobile Version 1.4 Visualization Server

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# 1 Technical Requirements

## 1.1 Hardware

<b>Processor</b>	Pentium IV or equal, running at 2,0 GHz.
<b>Main memory</b>	1024 MB
<b>Free disk space</b> (additional disc space requirements depend on the configured archives)	40 GB
<b>Screen resolution</b>	1024 x 768 Pixel
<b>Colors</b>	Color depth min. 16 bit per pixel.

## 1.2 Operating systems

WINDOWS SERVER 2008 / 2012	NO
WINDOWS 10, 32 + 64-bit	YES
WINDOWS 8 und 8.1 Pro, 32 + 64-bit	YES
WINDOWS 7 Home, Professional und Ultimate, 32 + 64-bit	YES
WINDOWS XP	NO

*.NET 3.5 must be activated/installed. (It's not the standard in Windows versions > 8)*

## 1.3 Recommended browsers

- Firefox
- Chrome
- Safari
- Atomic

In each case the latest version.

## 1.4 Client/Browser settings

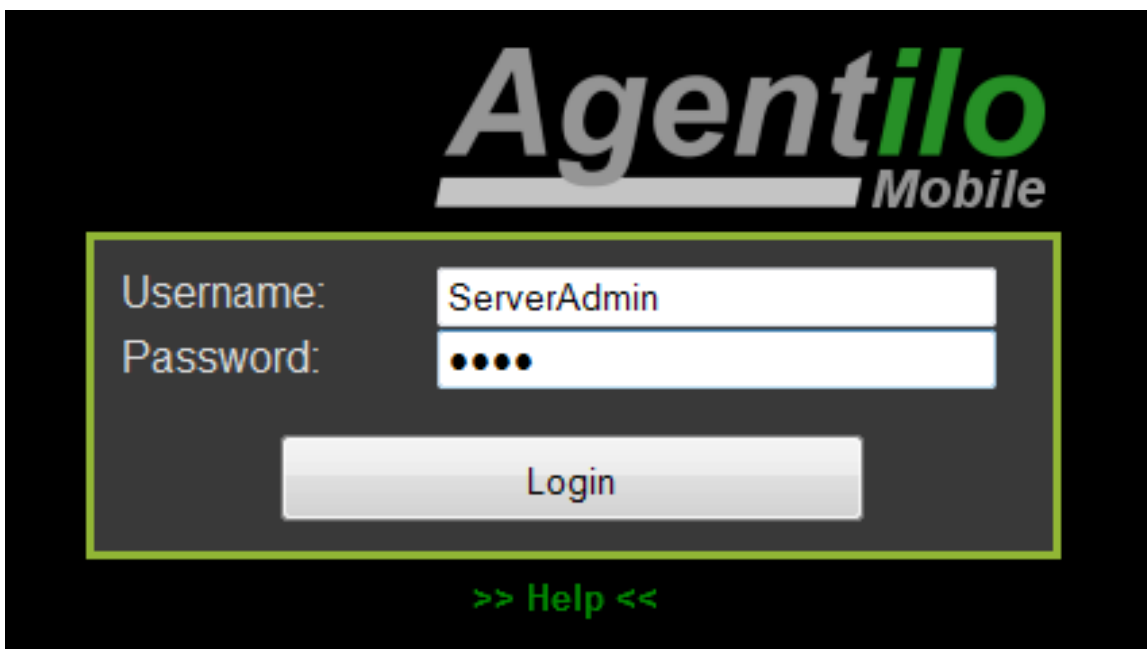
- Javascript must be enabled.
- Cookies must be enabled.
- Using multiple browser tabs is browser-dependent and will not work with most browsers.
- Whether an incognito / private browsing option works, is also browser-dependent.

## 2 First Run

When you start the visualization server in the browser for the first time, you see the login screen. The start page is available via <http://localhost:8080>, provided that the server was installed with the default settings.

## 3 Administration Surface

First, a login as an administrator is necessary to configure the visualization project, which is to be displayed. The account of the administrator is only for configuring the project settings. To display a project, another user must be logged in.



Enter the following data:

**Username:** *ServerAdmin*  
**Password:** *0000*

Then confirm your entries with *Login*.

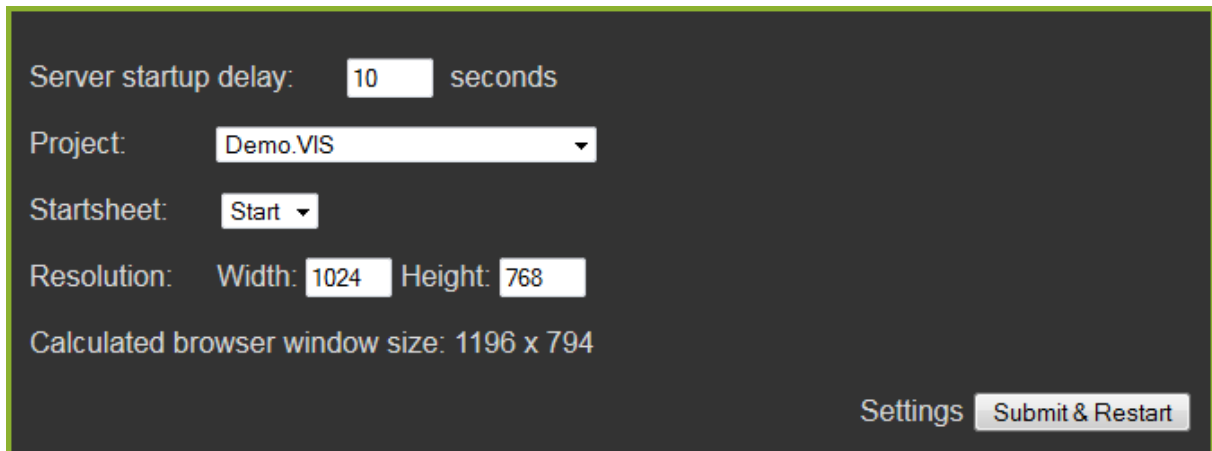
### **NOTE:**

**For your own safety the preset administrator password should be changed. The newly assigned password should be stored carefully!**

**The visualization server should not be made publicly available without further security measures on the Internet.**

### 3.1 Project Settings

Under **Settings** in the administration area you have to select a visualization project, which should be accessible by the user.

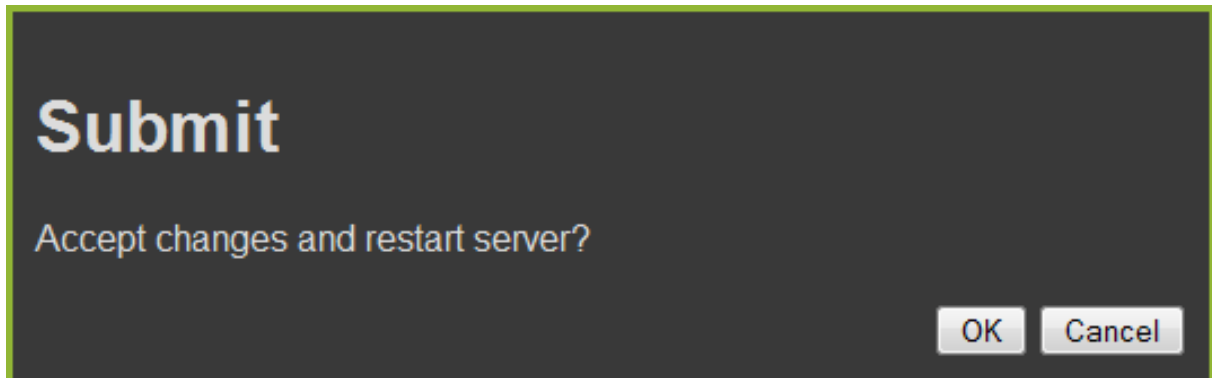


The screenshot shows a settings form with the following fields and values:

- Server startup delay: 10 seconds
- Project: Demo.VIS (dropdown menu)
- Startsheet: Start (dropdown menu)
- Resolution: Width: 1024, Height: 768
- Calculated browser window size: 1196 x 794
- Buttons: Settings, Submit & Restart

Select the desired **visualization project** by clicking on the drop down menu for the project. Afterward you can define the **Start page**, which is automatically displayed when starting the project in the browser. In addition set the **Start delay and** the **Resolution** and confirm by clicking the button **Submit & Restart**.

**Note:** Since version 1.1 of the server an option is integrated that shows the correct resolution of the display which is illustrating the administration site. The **Calculated browser window size** is helpful to choose the resolution of the worksheets.



The screenshot shows a dialog box with the following content:

- Title: Submit
- Text: Accept changes and restart server?
- Buttons: OK, Cancel

To accept the settings and restart the server, confirm with the **OK** button.

## 3.2 User Management

The user list from the Control Panel of the Agentilo Mobile System is listed in the administration area of the visualization server. Here can be assigned to different users each a worksheet and the desired resolution. The default password for the predefined user from the Agentilo Mobile System is set to **System**.

### 3.2.1 Connection Limit

With the visualization server, maximal **10** participants/clients (hardware and operating system dependent) can connect simultaneously. If this connection limit is exceeded, the oldest connection is automatically disconnected.

Name	Startsheet	Width	Height	Permanent	Actions
Administrator				no	<input type="button" value="Edit"/>
Main User				no	<input type="button" value="Edit"/>
User	start	1024	768	yes	<input type="button" value="Edit"/>
Guest				no	<input type="button" value="Edit"/>

With the Option **Permanent**, users can be protected from the automatic separation.

### 3.2.2 Edit User Settings

To edit the user settings, click in the row of the desired user the button **Edit**.

## Edit User

Name: Guest

Startsheet:

Width:

Height:

Permanent Connection:

Scaling:  none  
 aspect fit (centered)  
 stretched

Display Alarm Sites:

Alarm Sites:  Fill level 1 > 50 → Alarm page 1  
 Fill level 2 < 10 → Alarm page 2

Setting **Startsheet**, **Width** and **Height** equal to the default settings for selecting the start worksheet and overwrites them. You have the option to assign each user a different start worksheet.

**Permanent connection** prevents automatic disconnect by login a new user, if all connections are exhausted to the server. These settings should be used for user accounts, what to connect Panel PCs or devices that should not be disconnected automatically.

You can select a specific user scaling of the worksheet. It can be chosen between **none**, **aspect fit** and **stretched**.

- **none** loads the worksheets as they were configured. They are drawn from the upper-left corner of the browser window.
- **aspect fit** will scale the worksheet according to the size of the browser window with a consistent aspect ratio and centered. The worksheet will not be stretched but if necessary an edge is added.
- **stretched** enlarges or reduces the height and width of the worksheet on the size of the browser window and scaled the content by stretching to the new size.

Enable/Disable the setting **Display Alarm Sites** to enable/disable automatic change to set alarm sheets.

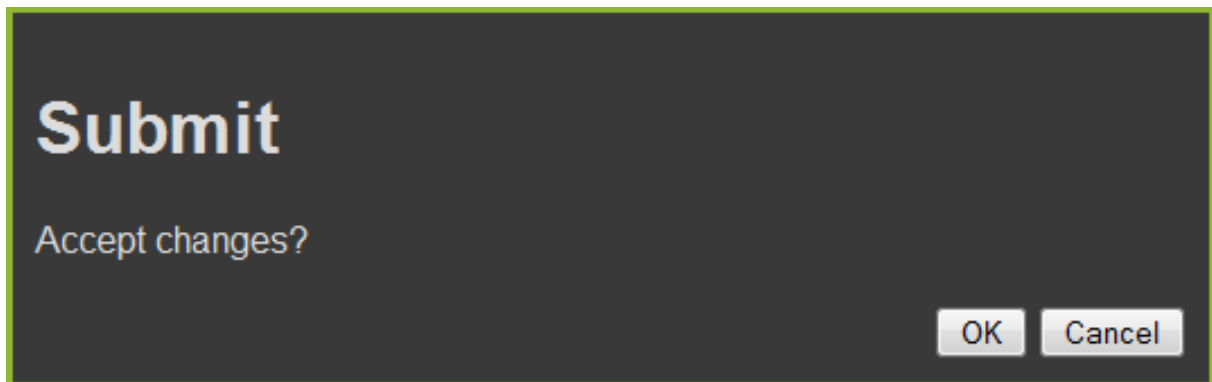
If the setting is disabled the automatic change to alarm sheets is deactivated regardless of the settings under **Alarm Sites**.

In the settings **Alarm Sites** alarm sheets for the user can be enabled or disabled individually.

**Note:**

For new created users and alarm sites this option is disabled. Admin has to enable this options for each user explicitly.

In **Edit User** dialog submit your settings by clicking **OK**.



To accept the changes confirm with the **OK** button.

### 3.2.3 Disconnect User

The active users are displayed in the connection list.

User ID	Session	Actions
Guest	f50dg355sgzspa3dvdrq1145	<input type="button" value="Disconnect"/>

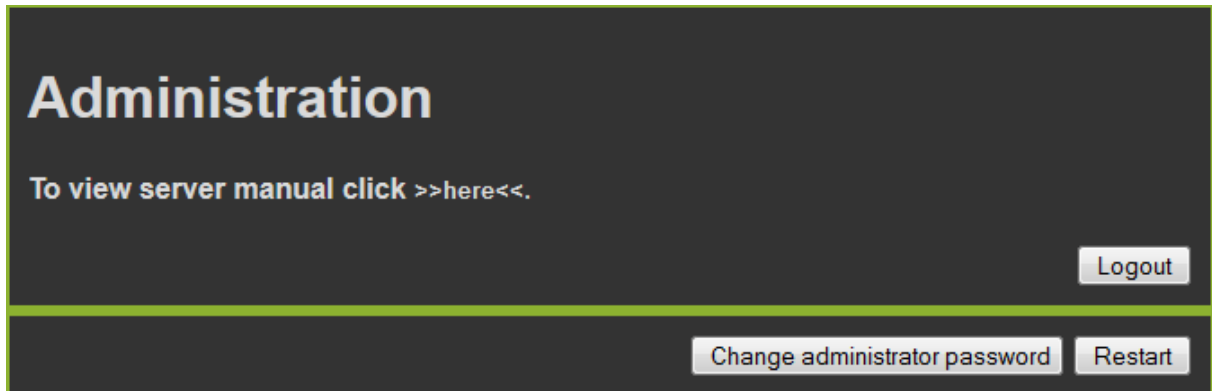
By clicking on the **Disconnect** button, the connection is released.

### 3.2.4 Add User

The administration of users is done in the Control Panel of the Agentilo Mobile System. To create or edit users, please read the chapter **4.1.1 User Management** in the user manual of the Control Panel.

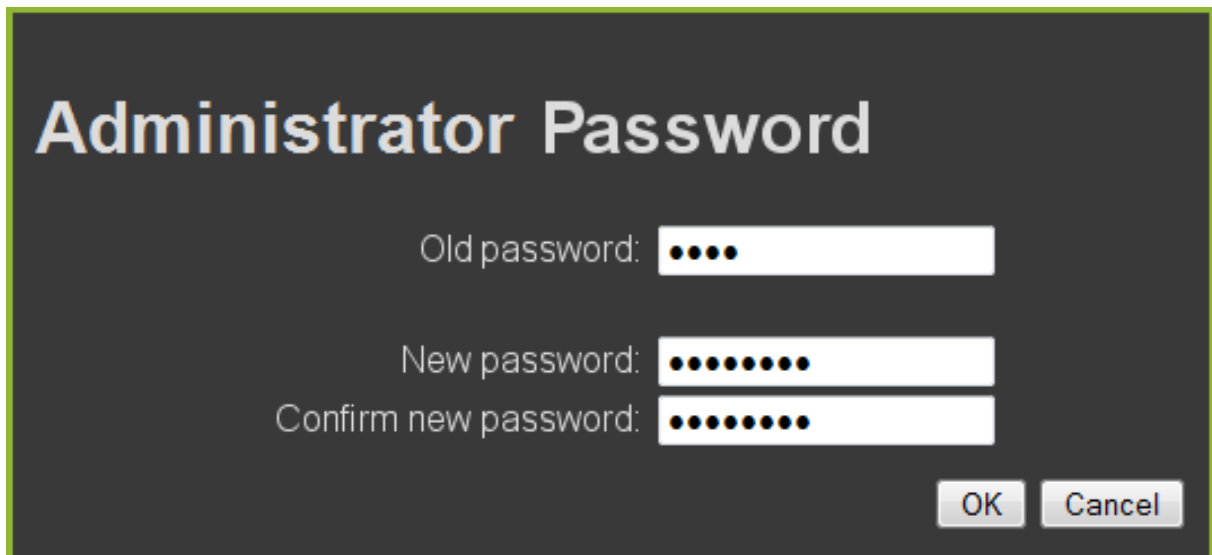
### 3.3 Change Administrator Password

Click on the button [Change administrator password](#) to enter the new password.



The screenshot shows a dark-themed 'Administration' panel. At the top left, the word 'Administration' is displayed in a large, bold, white font. Below it, a smaller white text reads 'To view server manual click >>here<<.'. In the bottom right corner of this section, there is a 'Logout' button. At the bottom of the panel, there are two buttons: 'Change administrator password' and 'Restart'.

Enter the current and the new password, confirm the new password in the row below.



The screenshot shows a dark-themed 'Administrator Password' form. The title 'Administrator Password' is at the top in a large, bold, white font. Below the title, there are three input fields, each with a label and a white background containing black dots: 'Old password:', 'New password:', and 'Confirm new password:'. At the bottom right of the form, there are two buttons: 'OK' and 'Cancel'.

To accept the settings confirm with the [OK](#) button.



The screenshot shows a dark-themed 'Submit' dialog box. The title 'Submit' is at the top in a large, bold, white font. Below the title, the text 'Accept changes?' is displayed in a smaller white font. At the bottom right of the dialog, there are two buttons: 'OK' and 'Cancel'.

To accept the changes confirm with the button [OK](#).



### 3.4 User-specific Start Page

You can assign specific start pages, that deviate from the default start page, to individual users.

Enter in the address bar of the browser <http://localhost:8080> and press the **Enter** button, then log back in with the user **ServerAdmin** and the password **0000**.

Name	Startsheet	Width	Height	Permanent	Actions
Administrator				no	<input type="button" value="Edit"/>
Guest				no	<input type="button" value="Edit"/>
Main User	start	1920	1080	no	<input type="button" value="Edit"/>
User	start	1024	768	yes	<input type="button" value="Edit"/>

Under **User** click on the button **Edit** in column **Actions** behind the desired user.

## Edit User

Name: Guest

Startsheet:

Width:

Height:

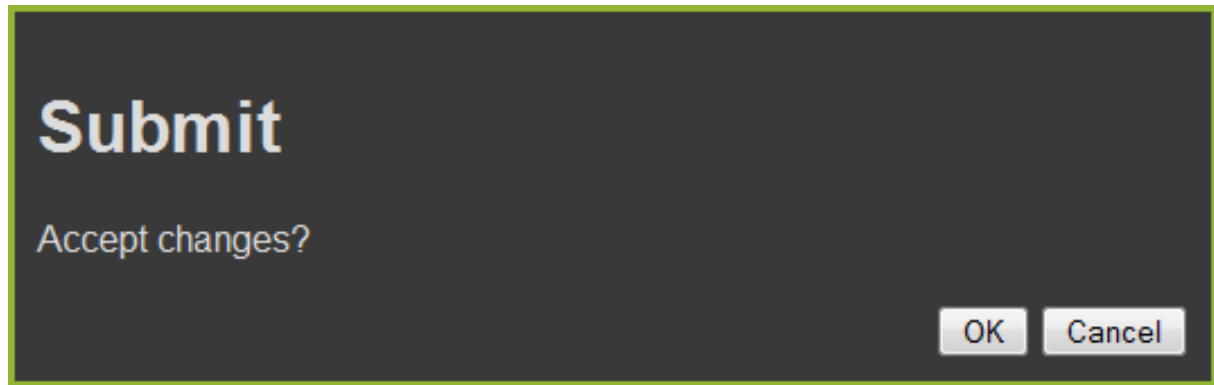
Permanent Connection:

Scaling:  none  
 aspect fit (centered)  
 stretched

Display Alarm Sites:

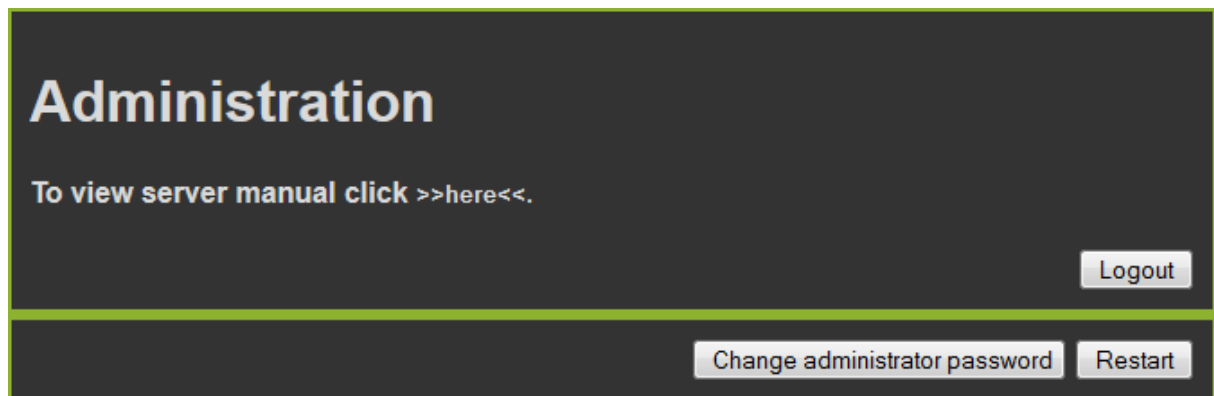
Alarm Sites:  Fill level 1 > 50 → Alarm page 1  
 Fill level 2 < 10 → Alarm page 2

Select the required worksheet in the drop-down menu and confirm with the button **OK**.



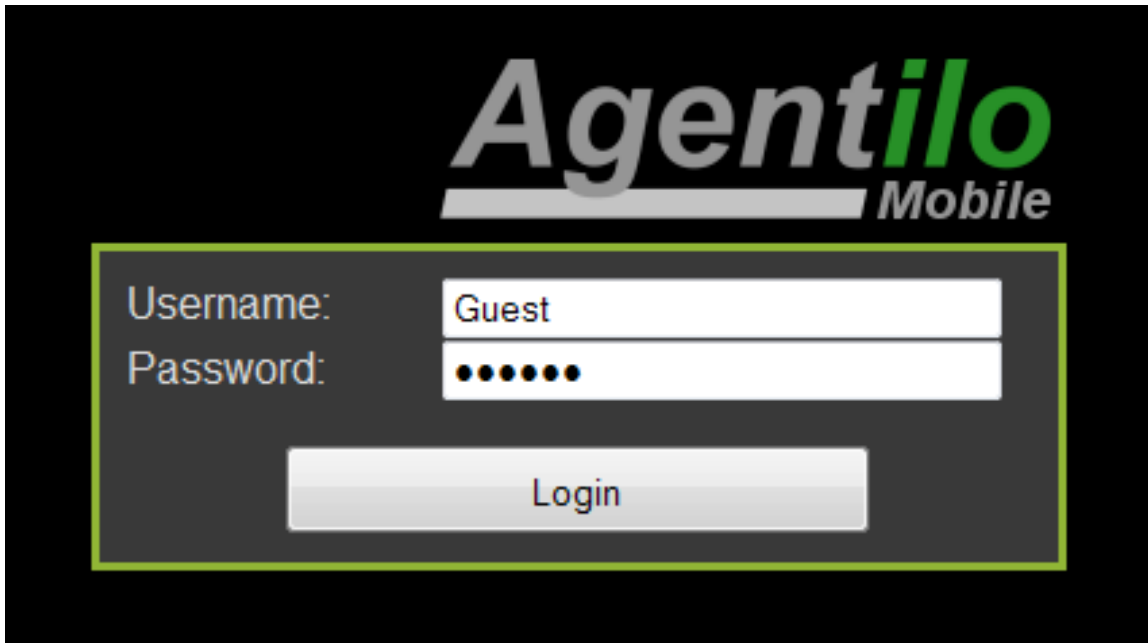
To accept the changes confirm with the button **OK**.  
The settings are saved and the user is assigned.

Afterward click **Logout** to logout from the administration area.



After entering the user data on the login page, the assigned start page for the user is automatically displayed.

## 4 Open Project

The image shows a login interface for 'Agentilo Mobile'. At the top, the logo 'Agentilo' is in a large, stylized font with 'Agenti' in grey and 'lo' in green, and 'Mobile' is written in a smaller font below it. Below the logo is a dark grey rectangular area containing a login form. The form has two input fields: 'Username:' with the text 'Guest' and 'Password:' with six black dots. Below these fields is a 'Login' button. The entire login form area is outlined with a thin green border.

Enter the user data in the login mask:

**Username:** *Guest*  
**Password:** *System*

Afterward confirm your entries by clicking *Login* and the start page of the project specified before will be opened.

## 5 Further Information

### 5.1 Resolution Selection and Scaling

#### Resolution Selection

If a user has a specific worksheet size entered that doesn't exist in the project, the server choose an available worksheet resolution (for example: for an entered 1024x768 resolution with the two existing resolutions 1280x1080 & 1920x1080, the first one will be used).

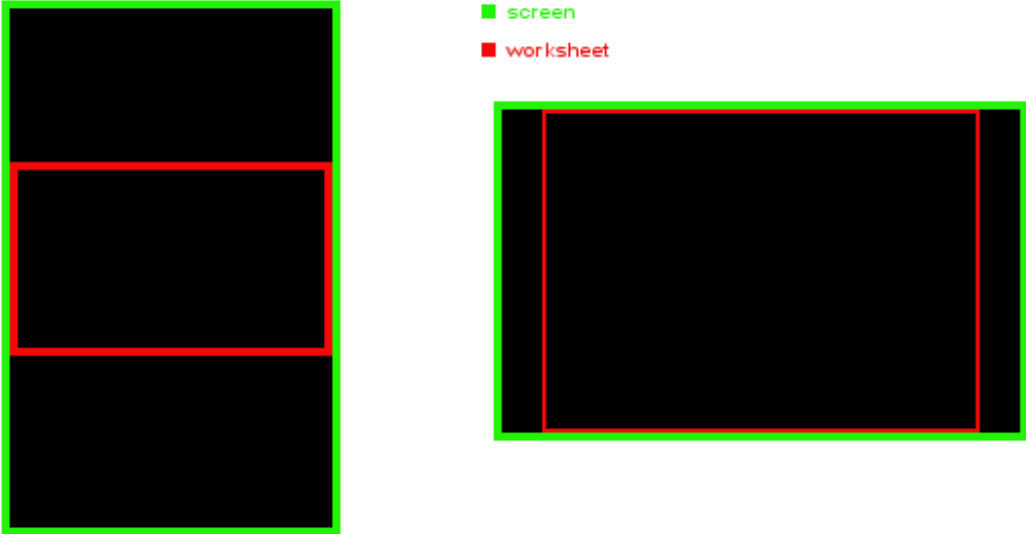
#### Scaling

Since Agentilo Mobile Version 1.3 the server automatically scales worksheets to the height and width of the screen. If the screen changes from portrait to landscape or landscape to portrait orientation (e.g. rotation iPad) and no proper worksheet is found, the current loaded sheet will be scaled to new screen width.

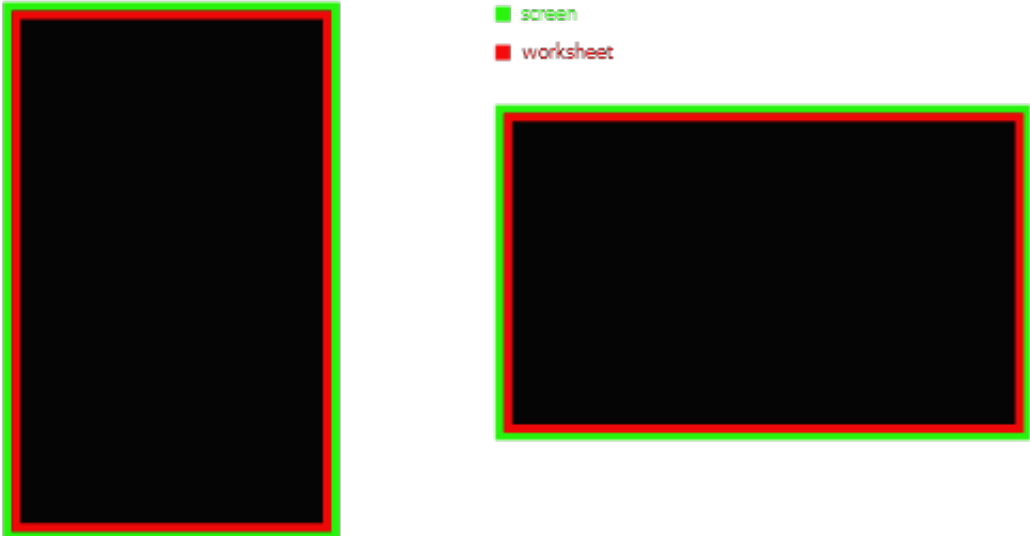
#### None



**Aspect fit (centered)**



**Stretched**



**5.2 Installation Note**

If you first uninstall and later reinstall the Agentilo Mobile visualization, you must uninstall and reinstall the visualization server (after the reinstallation of Agentilo Mobile) as well.

For the installation and uninstallation of the visualization server run the setup. Follow the installation instructions. It should be noted that the Microsoft Information Server 7.5 (IIS) must be stopped before.

If not all the required components of IIS are installed or enabled, you can get an error message. For example:

#### Error Summary

### HTTP Error 500.19 - Internal Server Error

The requested page cannot be accessed because the related configuration data for the page is invalid.

#### Detailed Error Information

Module	IIS Web Core	Requested URL	[REDACTED]
Notification	BeginRequest	Physical Path	[REDACTED]
Handler	Not yet determined	Logon Method	Not yet determined
Error Code	0x80070021	Logon User	Not yet determined

Config Error: This configuration section cannot be used at this path. This happens when the section is locked at a parent level. Locking is either by default (overrideModeDefault="Deny"), or set explicitly by a location tag with overrideMode="Deny" or the legacy allowOverride="false".

Config File: \\? [REDACTED]

#### Config Source

```
216: <validation validateIntegratedModeConfiguration="false"/>
217: <handlers>
218: <add name="ScriptHandlerFactory"
```

#### Links and More Information

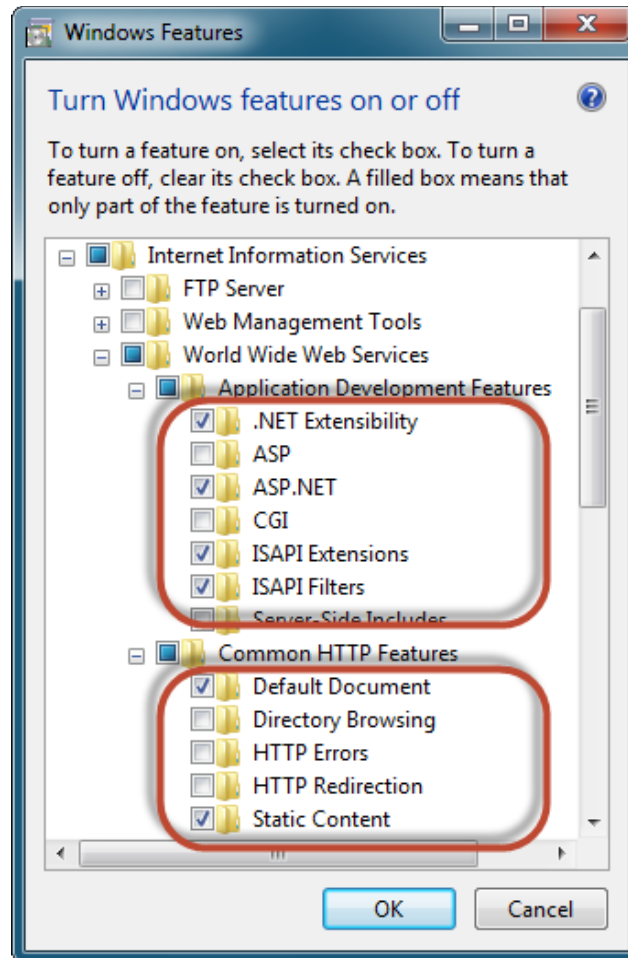
This error occurs when there is a problem reading the configuration file for the Web server or Web application. In some cases, the event logs may contain more information about what caused this error.

[View more information »](#)

In this case, you have the option to install the required ASP.NET components.

## Select Components and Functions

Select: Control panel > Programs and features > turn Windows features on or off.



Activate and confirm the required options under Internet information services > world wide web services > Application development features > **ASP.NET** and Common HTTP Features > **Static Content**. Then the activated check boxes should look like in the picture above.

## 5.3 Exit Station manually

The visualization server interacts with the Agentilo Mobile System via a component, which is named **Station**. It is the common link between the Agentilo modules. If the station is not already running, it is activated and started in the information area when the server is started by opening the user interface in the browser. The station continues running until the application pool is stopped explicitly in the Microsoft Information Server 7.5 (IIS).