

BOSWAR

A campaign builder brought to you by =69.GIAP=

Version: 0.1

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1 Installation

1.1 Prerequisites

To install BOSWAR the following things are required:

- MySQL
- Webserver
- PHP

This document does not cover a guide how to install MySQL, a Webserver and PHP. There can be multiple sources found in the [www](#).

1.2 Install the core Database

The `boswar_db` is the core of the BOSWAR campaign builder. The first step to install it is to restore the database to your MySQL environment.

Note `MySQL\boswar_db.sql`

Next we create database user to connect to this database. The same user will be used in the connection file of the BOSWAR Website.

Note `MySQL\create_boswar_hq_user.sql`

Next we load a couple of example databases so we can do sanity checks on BOSWAR.

Note `MySQL\exampleCampaigns\1916.sql ...bloody_april.sql ... flanders_eagles.sql ...skies_of_the_empires.sql`

Now we add an additional database user just for the campaign databases. This user has reduced rights and is used to improve security.

Note `MySQL\create_rofwar_campaign_user.sql`

1.3 Install the Website

To install the BOSWAR website please load the folder called BOSWAR into your `htdocs` directory.

Note `htdocs\Website\BosWar`

Then place the `connect_db.php` file into the same directory.

Note `htdocs\connect_db.php`

For a better understanding of the process, please have a look at Figure 1.

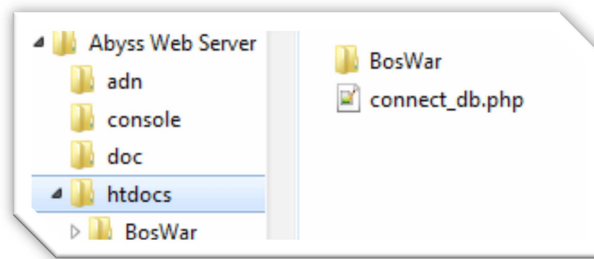


Figure 1

The connect_db.php file holds the connection information the website requires to access the database tables.

Initially the content looks like this:

```
<?php
# Connect on 'localhost' (with configured default port) for user 'boswar_hq'
# with password 'boswar_password' to database 'boswar_db'.
$dbc = mysqli_connect
( 'localhost' , 'boswar_hq', 'boswar_password', 'boswar_db' )
OR die
( mysqli_connect_error() ) ;
# Set encoding to match PHP script encoding.
mysqli_set_charset( $dbc , 'utf8' ) ;
?>
```

This information matches the user we created in chapter 1.2.

1.4 Sanity checks

It is vital to perform a couple of sanity checks to ensure everything is connecting properly. Please follow the following chapters step by step and in case you run into problems contact STENKA, TUSHKA or MYATA and ask for help. Make sure the problem is properly documented using screenshots and a step by step guide to recreate the problem.

1.4.1 Log on

There are already 3 users stored in the database. The first test is to log on with each of them and ensure they have the correct role assigned.

Open the Browser of your choice (please avoid IE!) and connect to the following site:

localhost/BosWar/index.php

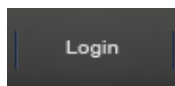
Note Of course this will only work if you do the test on the webserver. If you would like to test from a different environment you have to ensure accessibility of the webserver and exchange localhost with the appropriate domain, DNS name or IP address!

You should be presented with a nice selection screen.



Figure 2

Click on the left link. This brings you to the first screen of the ROFWAR campaign planner.



Click the button and use the following information to log on:

User: viewer
Password: manager

After clicking LOG IN this should bring you to the page **CampaignSelect.php** but unfortunately this user has no right other than logging in. On the left in the grey horizontal bar you see your user name and this user's role. Remember this as we will shortly check this with two additional users.

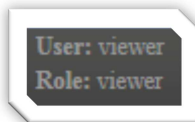
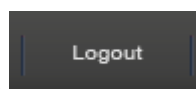


Figure 3



Now click the button which brings you back to the first screen.

Let's repeat this using the following information:

User: commander
Password: manager

Now **CampaignSelect.php** looks different and you have a new option in the left window and an additional button in the center screen though there is nothing to select yet. On the left you can now see different information. This user owns a commander role.

Logout and log in again using:

User: admin
Password: manager

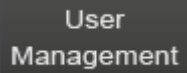
We get the same page but this time it looks completely different. Looking to the left you can see that this user is administrator.

Log out again.

If you were able to successfully run through the three tests we ensure that the database connection to the boswar_db can be established without problems.

1.4.2 User Management – Administrator Role

Let's have a look what an administrator can manipulate. Log on as admin using the same

A dark grey rectangular button with the text "User Management" in white, centered on two lines.

credentials as before and click on the button. You entered the User Management which is used to assign a registered user a new role, assign him to a coalition or reset his password. In this console you can also delete a selected user.

Let's have a detailed look at the console:

Select User (dropdown menu) → select a user out of all registered users

Password (text field) → user this field to reset a user's password

Update Password (button)

Select New Role (dropdown menu) → drop down with all available roles currently we have 3 roles available:
viewer – no rights, only registered
commander – only rights to display and access assigned campaigns
administrator – full rights

Update Role (button)

skies_of_the_empires (dropdown menu) → select a campaign and assign it to a user

Select New Coalition (dropdown menu) → select the coalition the user should be in, in the selected campaign

Assign/Update (button) → assign to a campaign or update coalition

Remove (button) → remove from a campaign

!! Delete User !! (button)

Choose the default folder for your Group Files:
 The file path is stored for the logged on user and the selected campaign. It is not possible to change the folder path for any other user!

Please insert a folder path. (text field) → Store a predefined folder path. This option is only valid for the logged on user and not for the selected user! Each user has to maintain this folder on his own.

SAVE (button)

Figure 4

1.4.2.1 Test Case 1 – Update Password

Select the user named **commander** from the drop down. You will realize that a new window appears to the right of the form. This window displays a summary of the selected users' settings. The more rights a user has and the more campaigns a user is assigned to, the more information will be in this window.

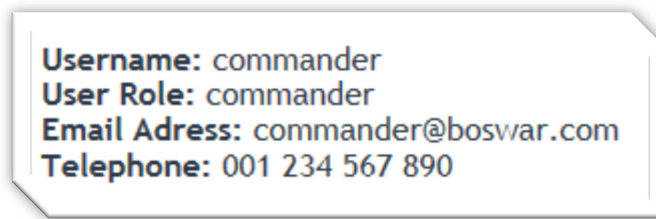


Figure 5

Enter a new password and hit **Update Password**.

The next page displays what you just did. Of course it does not display the password in clear text. The new password is stored encrypted in the boswar_db database. Test if it worked properly by logging off and logging on using the commander user with the new password.

1.4.2.2 Test Case 2 – Update Role

Log on as admin and navigate to the User Management console. Select the user '**viewer**' from the dropdown and select the **commander** role from the **Select New Role** dropdown.

Click Update Role and you get an appropriate feedback on the next page.

Log off and log on with the user **viewer**. The user should now have the commander role assigned instead of the viewer role.

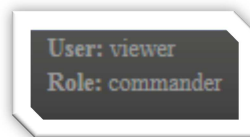


Figure 6

1.4.2.3 Test Case 3 – Assign a Campaign and a Coalition to a User

Log on as admin and navigate to the User Management console. Select the **commander** role. The campaign dropdown only shows campaigns that are in an active state.

Note More details about campaign states later.

You can choose out of 2 active campaigns at the moment:

- skies_of_the_empires
- 1916

Select **skies_of_the_empires** and then select **Entente** from the Coalitions dropdown.

Click on the **Assign/Update** button. You get appropriate feedback as expected and we can start to test the result.

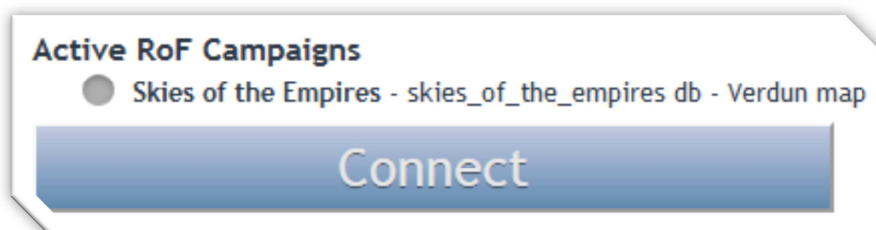
Get back to the User Management page and select the commander user once more. Now the user details window reflects that the user **commander** is now assigned to the campaign. Additionally it reflects the coalition the user is in this campaign.



A screenshot of a user details window. The window has a white background with a grey border. It contains the following text: 'Username: commander', 'User Role: commander', 'Email Address: commander@boswar.com', and 'Telephone: 001 234 567 890'. Below this, there is a red rectangular box containing the text: 'Campaign DB: skies_of_the_empires Coalition: Entente' and 'Group File Path:'.

Figure 7

Log off and log on with the **commander** user. You now can see the **Skies of the Empires** campaign on the **CampaignSelect.php** page.



A screenshot of a web interface section titled 'Active RoF Campaigns'. It shows a radio button selected next to the text 'Skies of the Empires - skies_of_the_empires db - Verdun map'. Below this is a large blue button with the word 'Connect' in white text.

Figure 8

Log on as admin once more and remove the **Skies of the Empires** campaign from the user **commander** by selecting the user, selecting the campaign and clicking **Remove**. If you get back and select the **commander** once more the details window reflects the user is no longer assigned to this campaign.

1.4.2.4 Test Case 4 – Register and Delete user

On the first screen of the website click on . The following form will be shown:

REGISTER

Choose Username	←	choose your user name
Email Address	←	insert a valid email address
Choose Password	←	insert your password
Repeat Password	←	once more to verify it
Telephone Number	←	insert your phone if you want
Submit		

Figure 9

After clicking Submit you get feedback about success of creation and can no log in with the new user. Doing this you will see that the user was created as **viewer**.

Log off and log on as user **admin**. In the User Management console select the newly created user and click on **Delete User**.

Log off and try to log on with the user you registered before. It will not work as the user is deleted out of the boswar_db.

1.4.2.5 Test Case 5 – Store Group File Path for a user

Log on as **admin** and navigate to the User Management console.

Assign the user **admin** to the **Skies of the Empires** campaign on the **Entente** coalition. Navigate back to the console and reselect **admin**. Select the **Skies of the Empires** campaign and insert a path to a folder in the Input field of the form. Then click on **Save**. The system will assign the path out of the input field to the **Skies of the Empires** campaign as you are assigned to it.

Check this by selecting the **admin** user once more from the drop down. The user details reflect the process worked.

Username: admin
User Role: administrator
Email Address: admin@boswar.com
Telephone: 001 234 567 890
<hr/>
Campaign DB: skies_of_the_empires Coalition: Entente
Group File Path: C:\temp\

Figure 10

Note The last backslash in the folder path is added from the system automatically. Please don't add one on your own as it would result in an error.

1.4.3 User Management – Commander Role

Compared the **administrator** role the **commander** role does not have a lot of options for manipulating users. Let's have a look on what he can do.

1.4.3.1 Test Case 1 – Managing campaign Users

Log on as **admin** and follow chapter 1.4.2.3 to assign the campaign **Skies of the Empires** to the user **commander**. Log off and then log on as **commander**. You now can see the campaign in the **Active Rof Campaigns** form as shown in Figure 8. Select it and click **Connect**.

In the grey bar an additional row appeared displaying that you are now working on the selected campaign.

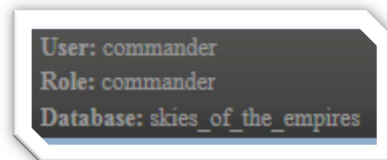


Figure 11

In the User Management Console the form is reduced to 3 options now. Try clicking on **Select User**. The drop down only shows one user: **commander**. Why is this? The reason for it is that at the moment no other user is assigned to this campaign.

Now we have to talk about the criteria a user has to fulfill to show up in this drop down. The list is filtered due to the following.

- user has to own **commander** role
- user has to be assigned to the same campaign
- user has to be in the same coalition in this campaign

You can see that a **commander** can only influence other commanders on the same side. This filter is applied to all items a commander sees in drop down lists. You cannot sneak in and spy your enemies' plans.

Let's test this. Log off and Log on as **admin**. Use the User Management Console to promote the user **viewer** to commander and assign him to the same campaign but a different coalition e.g. **Central Powers**.

Log off again and log on as **commander** once more. Try to find the **viewer** user in the drop down. It is not there as it is not in the same coalition as you are (**Entente**).

Go back as **admin** and change the coalition for **viewer** to **Entente**.

Go back as **commander** once more and now **viewer** is in the list.

You can help user **viewer** and reset his password if necessary but this is all you can.

1.4.3.2 **Test Case 2 – Store Group File Path for a user**

Similar to a user owning the **administrator** role you can and in fact have to assign a default folder for the Group Files of this campaign. Please use the form field to enter a valid path and click on **Save**. You can follow the procedure from chapter 1.4.2.5 to do so.