

Creating Tenant and Managing Projects

Table of Contents

- 1. Creating Tenant 3
- 1.1 Login and tenant creation 3
- 2. Creating Project:..... 4
- 3. Login to the Project 6
- 4. Understanding WKA Studio Project 7
- 5. Manage Projects 8
- 5.1 Adding New Project 10
- 5.2 Operations on projects..... 11
 - 5.2.1 Disconnecting the Project..... 12
 - 5.2.2 Starting the Project 13
 - 5.2.3 Unloading the project: 14
 - 5.2.4 Loading the project:..... 14
 - 5.2.5 Reloading the project..... 15
 - 5.2.6 Taking Backup of the project 15
 - 5.2.7 Restoring the project 16
 - 5.2.8 Removing the project 16
 - 5.2.9 Removing project from DB 17

1. Creating Tenant

To create a new tenant, click *Login* which redirects to login and sign up section where registration and tenant creation is done.

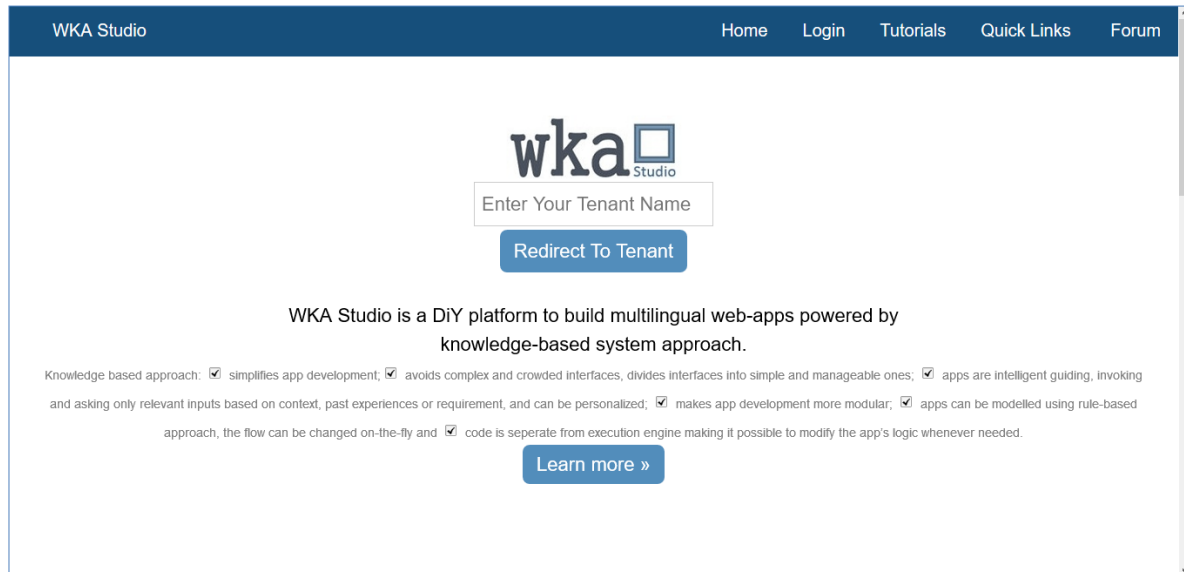



Figure 1: WKA Studio home page

1.1 Login and tenant creation

1. Check tenant first whether it exists or not by clicking button . If tenant does exist, enter appropriate details with captcha in the Sign up section. Click *Register*. Note: *WKA Studio updated version has additional controls to change passwords, confirm Sign up using OTP etc.*

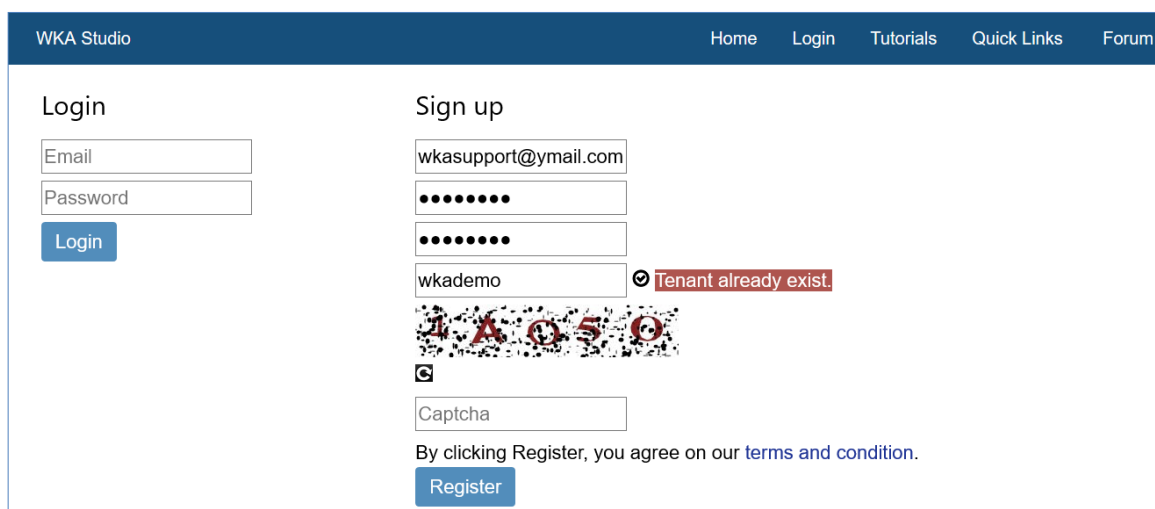


Figure 2: Login section

WKA Studio Home Login Tutorials Quick Links Forum

Login

Email
Password
Login

Sign up

wkasupport@ymail.com
 Password
 Password
 WkaTenant1 ⊗ Does Not exist

1 A 0 5 0
 Captcha

By clicking Register, you agree on our [terms and condition](#).
 Register

Figure 3: Login section (check tenant availability)

- Tenant is added to the WKA Studio with following details.

Tenant Name: *WKATenant1*

Tenant User ID: *WKATenant1_Admin* with Role: Instance Admin (tenant admin)

It creates default ‘master’ project when a new tenant is created which is used to create projects in the tenant.

- To create project under the tenant, click *Create Project*.

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Login

Email
Password
Login

Sign up

wkasupport@ymail.com
 Password
 ConfirmPassword
 WkaTenant1 ⊗ Does not exist

K X L P 5
 WYSJX

By clicking Register, you agree on our [terms and condition](#).
 Register Create Project

OK: Tenant added: WkaTenant1 with Tenant Admin user ID: WkaTenant1_Admin Project
 load status: OK: Project: Master Loaded/Reloaded OK: 1

Figure 4: Login section (valid tenant)

2. Creating Project:

(Note: if you fail to create project after creating tenant, can jump to section 5. Managing Project to create new project).

- After clicking *Create Project* the following screen is displayed.

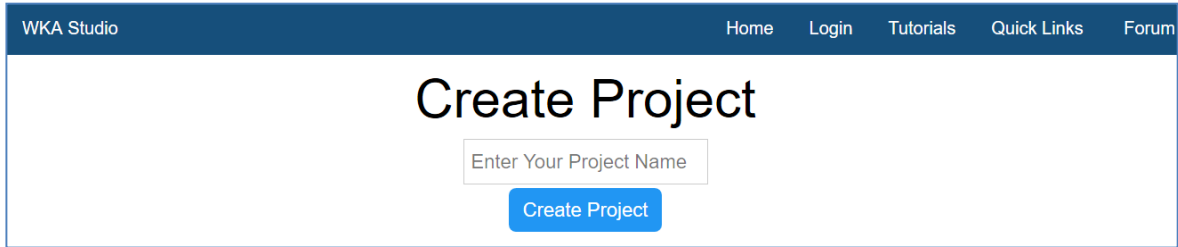


Figure 5: Create Project page

2. Enter project name then click *Create Project*.

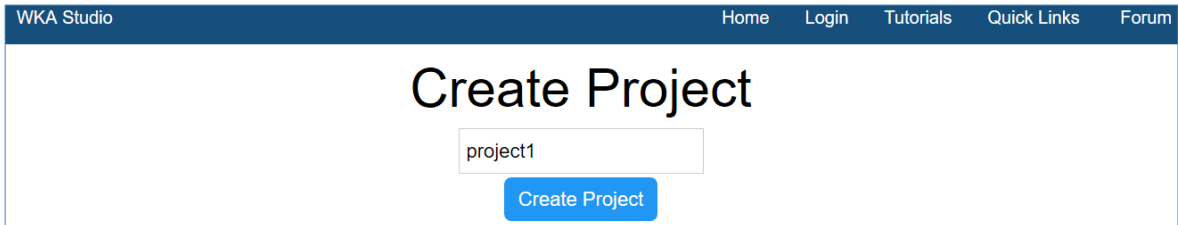


Figure 6: Create project page.

3. After successful creation of the project, a MySQL database instance exclusive to the project with schema name *TenantName_ProjectName* e.g. *WkaTenant1_project1* is created. WKA Studio adds logical ID to database connection with ID similar to project name. This database can be accessed by user id created and given at the end *wkadbuser_11* e.g. has user id DB use based on next user id available prefixed with *dbuser_*.

Important default users created when project is created, these users have default passwords. These passwords have to be changed immediately.

User	Role
ProjectName_Admin	PROJECT_ADMIN: allows to manage the project.
ProjectName_AppAdmin	APP_ADMIN: allows to manage apps within the project
ProjectName_AppUser	APP_USER: can access and use the apps

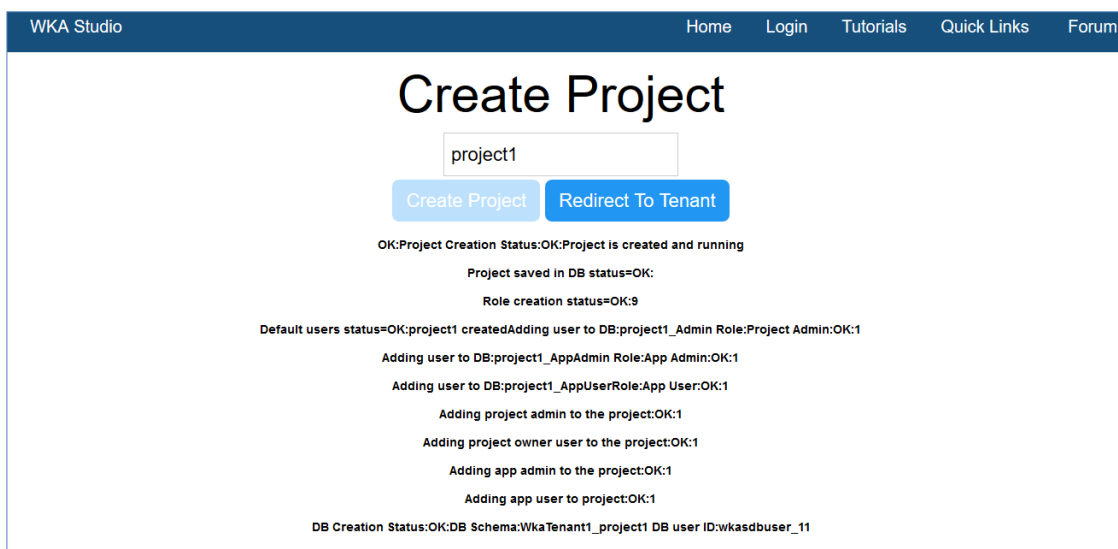


Figure 7: Create project page (successful creation of project).

3. Login to the Project

1. To login to created project. Click *Redirect To Tenant* which redirects to the registered tenant and default login page is displayed.

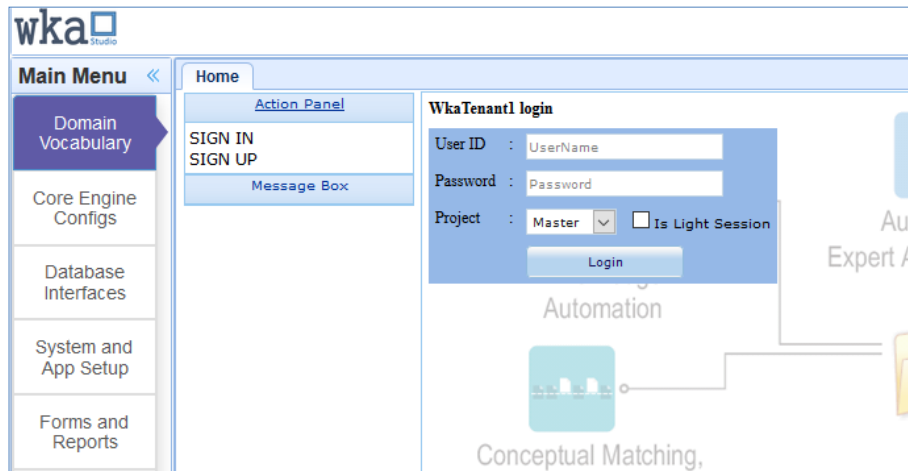


Figure 8: Redirecting to tenant.

2. Enter the user id, password and select just created project name and then click *Login*.

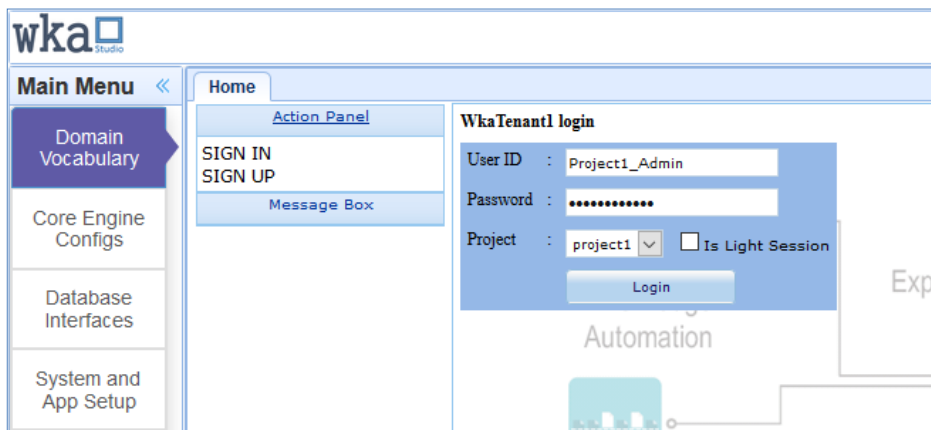


Figure 9: Login to project.

3. After successful login the following screen is displayed.

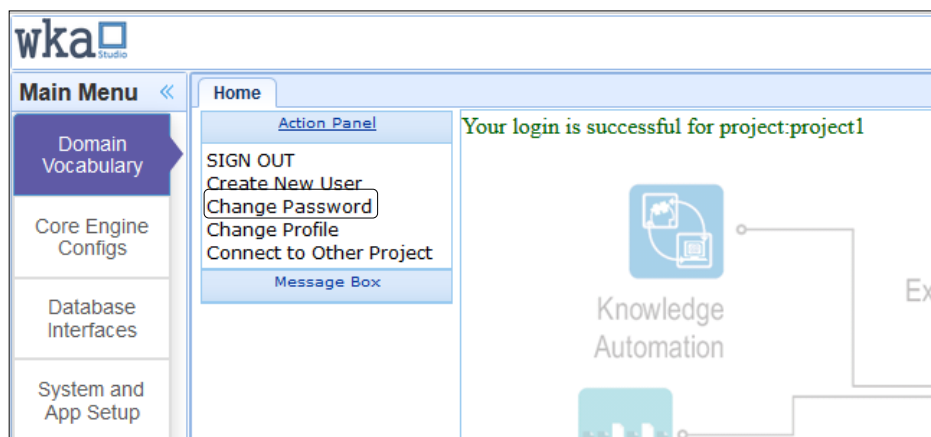


Figure 10: Login to project (successful login to project).

4. Change the password

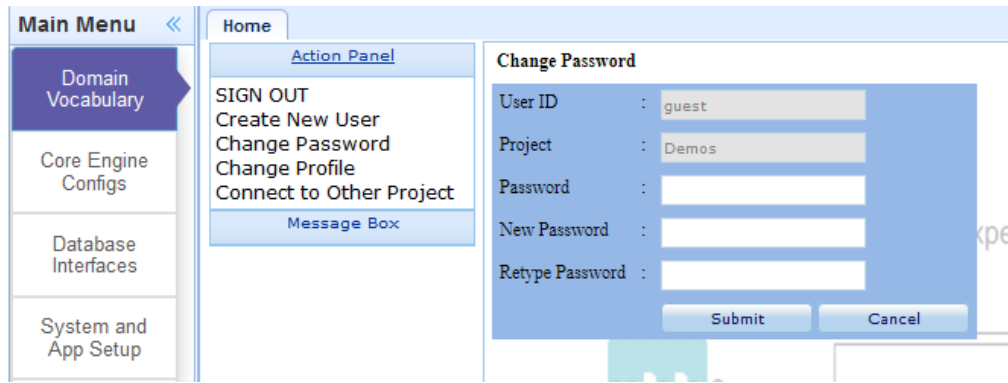


Figure 12: Change password interface

Visit to tutorial section to create apps using WKA Studio.

4. Understanding WKA Studio Project

WKA Studio projects consists of app groups and variable groups. Variable groups are linked to app groups. They are used to group various objects. Access rights to these app and variable groups can be defined for users using roles. App groups store app related objects in general while variable groups store dictionary and memory storage related objects.

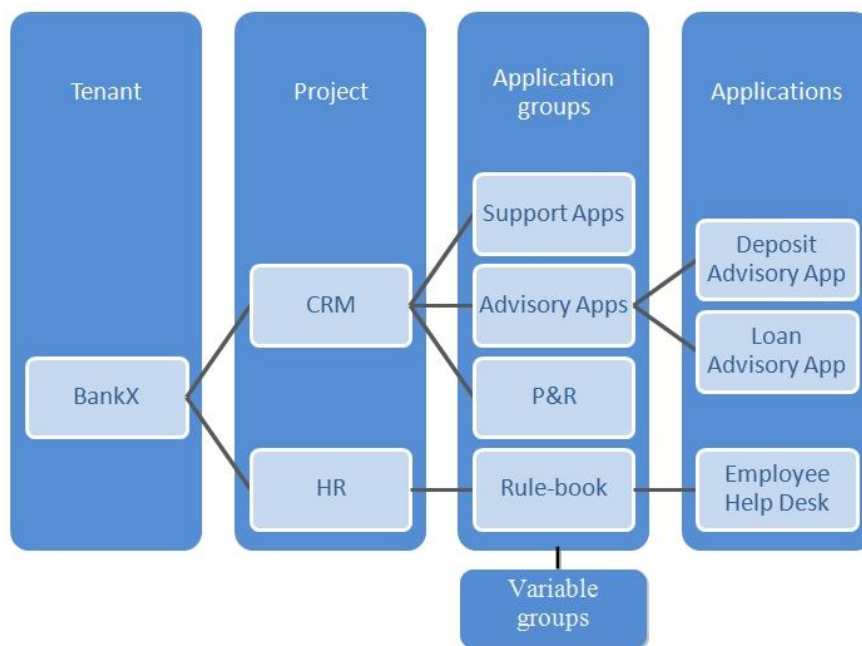


Figure 12: Tenant, projects, app and variable groups

WKA Studio maintains collections of various objects called as *application objects* e.g. list of variables, list of menus, rules, forms, reports, user defined functions, named queries etc. They are *global* and can be accessed anywhere in the project and remain in memory as long as WKA Studio is running and if changed, change will be applicable across all session objects. Application APIs can access and modify these application objects. They can be saved in XML formats on the server. All these objects have unique ID typically prefixed with App Group or Variable Group they belong to e.g. *CropAdvisoryApps.Rice App*, *RiceCropInfo.Crop Stage*, *BankApps.GetRDInterest* etc. where *CropAdvisoryApps* is app group and *RiceCropInfo* is variable group.

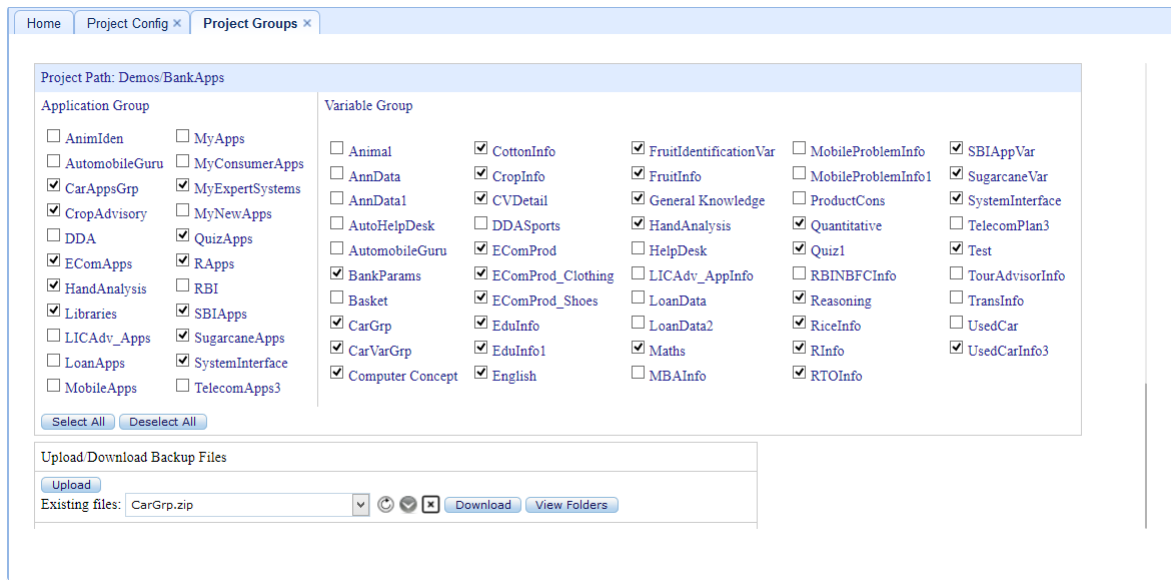


Figure 12: Sample demo app and variable groups of demo project

Once a variable group is linked to application group, all variables defined in that group and related objects become accessible. The interfaces that are linked to variable groups also have application group in the interfaces to select only variable groups linked to selected application group. See *QuickLinks* section for details of these objects.

Interfaces/objects linked to App group	Interfaces/objects linked to variable group
Forms	Variables (also referred as global variable)
Reports	Menu
Ranges	Dynamic Queries
CBR Schemas	DB Linking and Conversions
UDFs	Lookup Tables
App Rules	
Feature Weight Configs	
CBR R4 Configs	
Genetic Algorithms Configs	

5. Manage Projects

This interface can be accessed only by project admin, instance admin and instance owner. Project admin cannot add new project whereas tenant admin can add new project and tenant.

To manage projects:

1. Go to Main Menu -> System and App Setup -> click Manage Tenant & Project tab, and then the following screen is displayed.

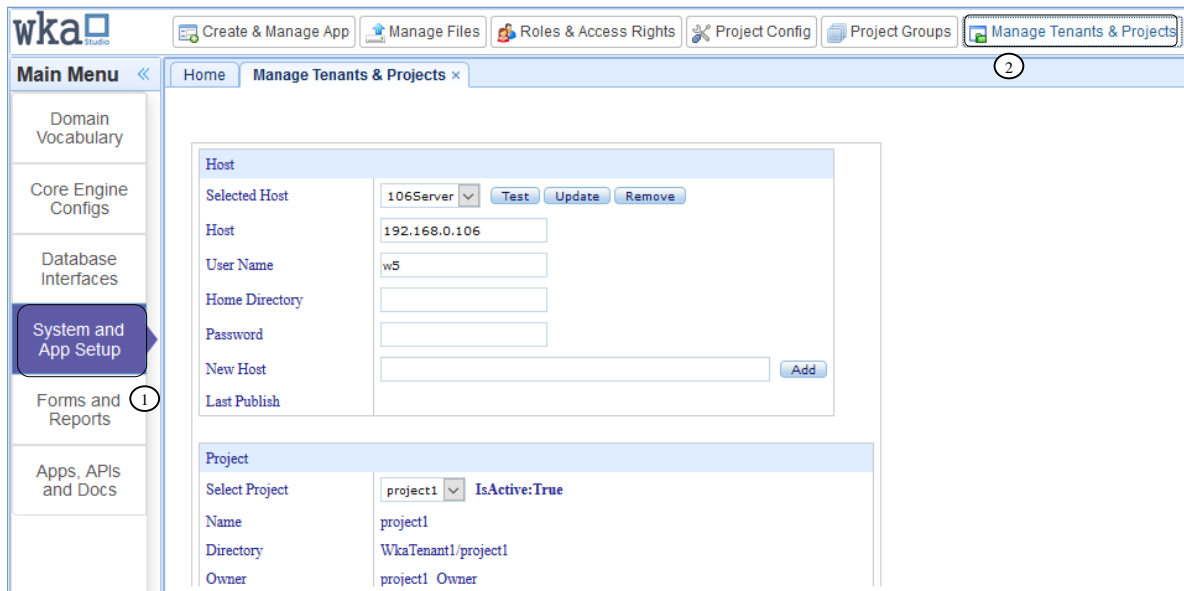


Figure 13: Manage Tenant & Project Interface

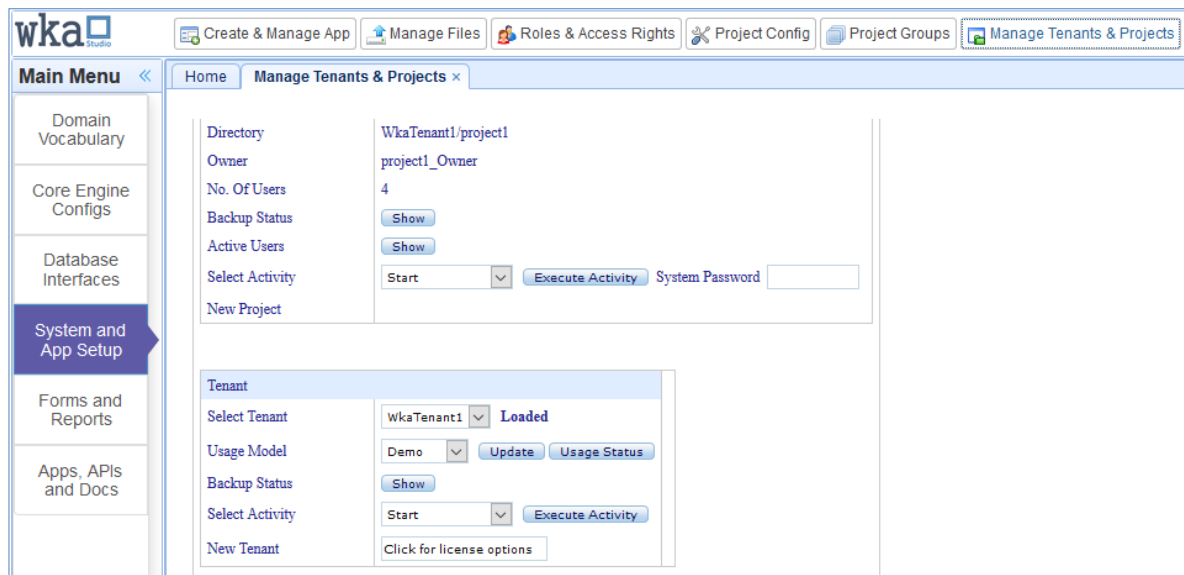


Figure 11: Manage Tenant & Project Interface

2. This Interface has 3 sections as shown in the above figures:

Section	Description
Host	Manage host (to publish projects etc.)
Project	Manage project (To perform various project operations.)
Tenant	Manage tenant (To perform various tenant activities.)

This allows adding new projects, provides details of the project, and performs various activities on project.

Section	Description
Select Project	To select a project from drop down.
Name	Displays the name of the selected project.
Directory	Displays the directory of the selected project.

Owner	Displays the owner of the selected project.
No. of Users	No of users currently created for this project.
Backup Status	Displays last backup details like file name, size of the file, no. of files, etc.
Active Users	No. of users currently logged in the project.
Select Activity	To select different activities that can be used for the project.
New Project	To create a new project.

5.1 Adding New Project

Demo tenants (demo tenants are default tenants created using WKA Studio) are allowed only single project.

1. To add a new project, login as Instance admin i.e. TenantName_Admin e.g. *WkaTenant1_Admin* and select *Master* project from the dropdown.

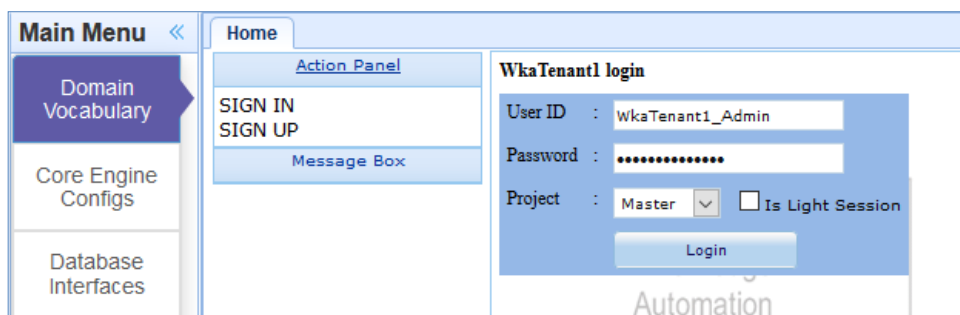


Figure 12: Tenant admin login

2. Go to Main menu -> System and App Setup -> Manage Tenants and Projects -> Project section and enter the name of the project in the New Project field.

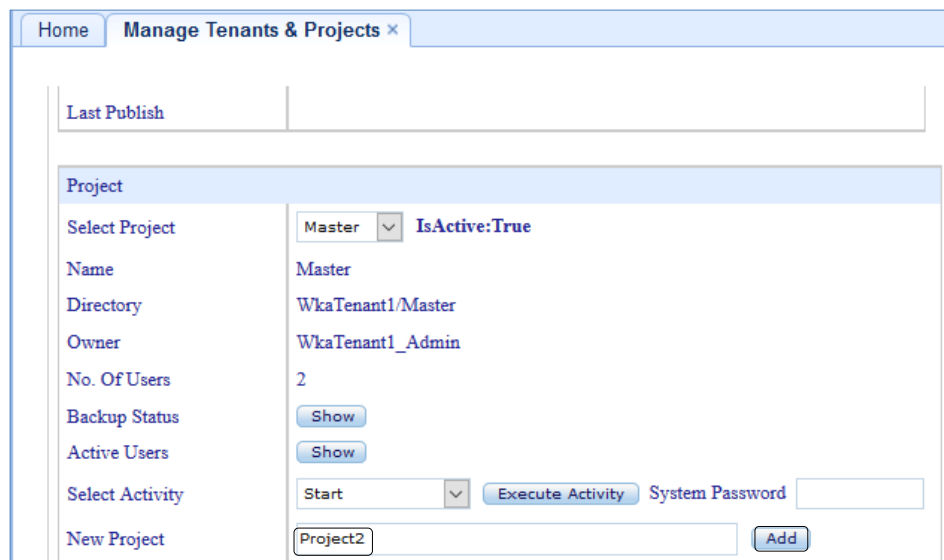


Figure 13: Adding new project

3. After entering the project name, click *Add* which adds the project to the tenant and a new project is created successfully as shown below and the project is also added in *Select Project* dropdown.

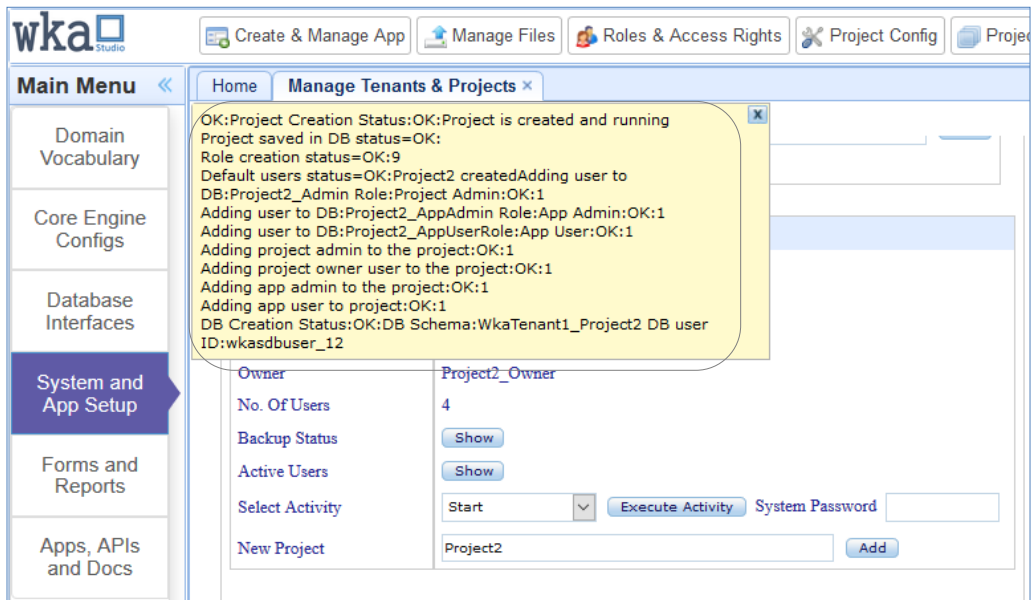


Figure 14: Adding a new project: creation status

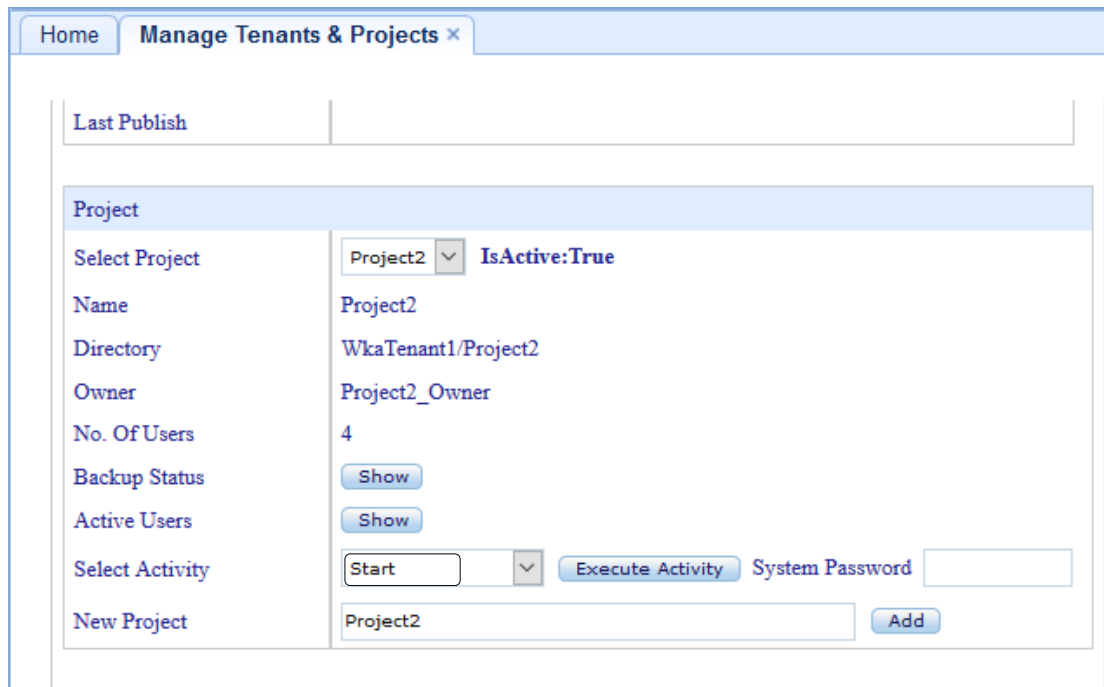


Figure 15: Manage projects (new project added)

5.2 Operations on projects

Project Admin (e.g. *Project_Admin*) and Tenant Admin (e.g. *WkaTenant1_Admin*) can execute the project activities (i.e. start, stop, load etc.).

After successful login go to Main menu -> System and App Setup -> Manage Tenants & Projects -> go to Project section as shown below.

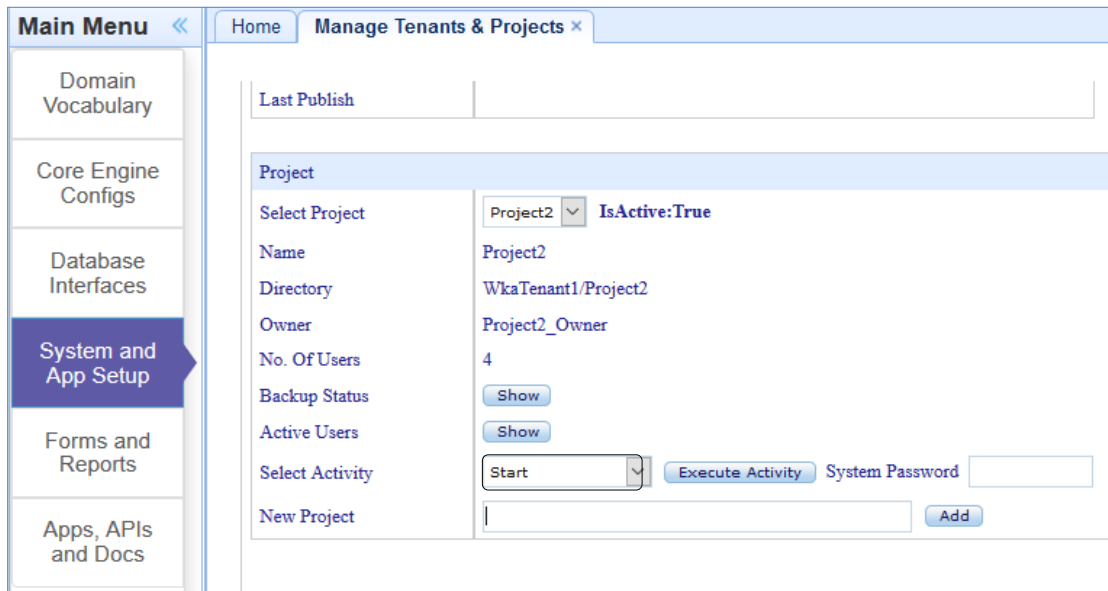


Figure 16: Manage projects: selecting operation

In above figure, the project dropdown shows multiple projects and current status. To perform the operations on the project, select project activity dropdown.

Activity	Description
Start	To connect back the disconnected project.
Stop	To disconnect the project from the tenant (it shows <i>IsActive</i> flag as false).
Load	To load project to memory.
Unload	To unload project from memory.
Reload	When projects files are modified or restored from backup and need project to consider those files etc. It needs to be reloaded to reflect the status.
Backup	To take backup of project. It zips all files and folders of selected project and stores zip file in project folder with name ProjectName.zip.
Restore	All project modified files and folders are restored back to project folder.
Publish	Publishes project to remote host, the details of host are specified in host section.
Remove	Remove project files and folder from Tenant and removes all users created for a project.
Remove from DB	Remove project entry and users created for project from DB. However, project files/folders can still exists on the server.

5.2.1 Disconnecting the Project

Stop operation disconnects the project from tenant but it will not be removed from the memory, the project can be connected back to the tenant using *Start* operation. The project name will not be shown in the project list at the time of login (in figure 19 project2 is missing from project list).

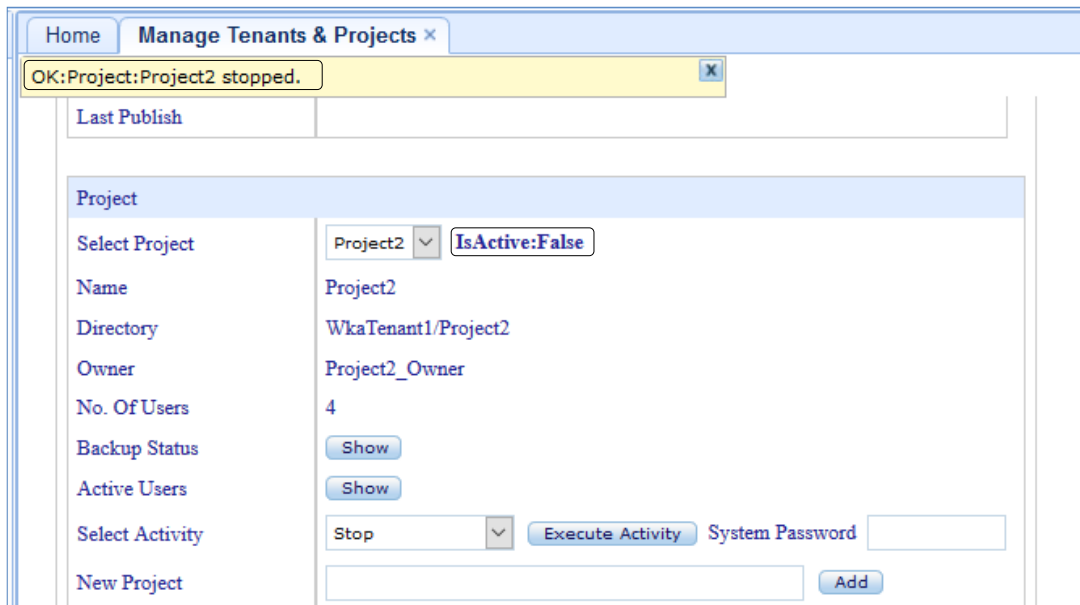


Figure 20: Project stop activity

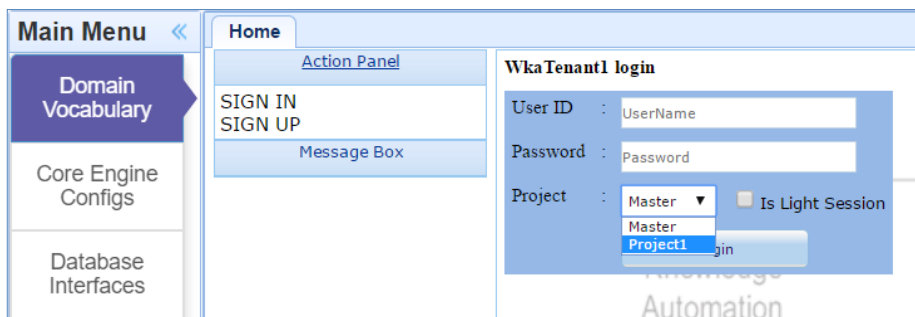


Figure 21: Login interface (project disconnected)

5.2.2 Starting the Project

When project is disconnected by performing stop activity then project can be started again by using start activity as shown in below figure.

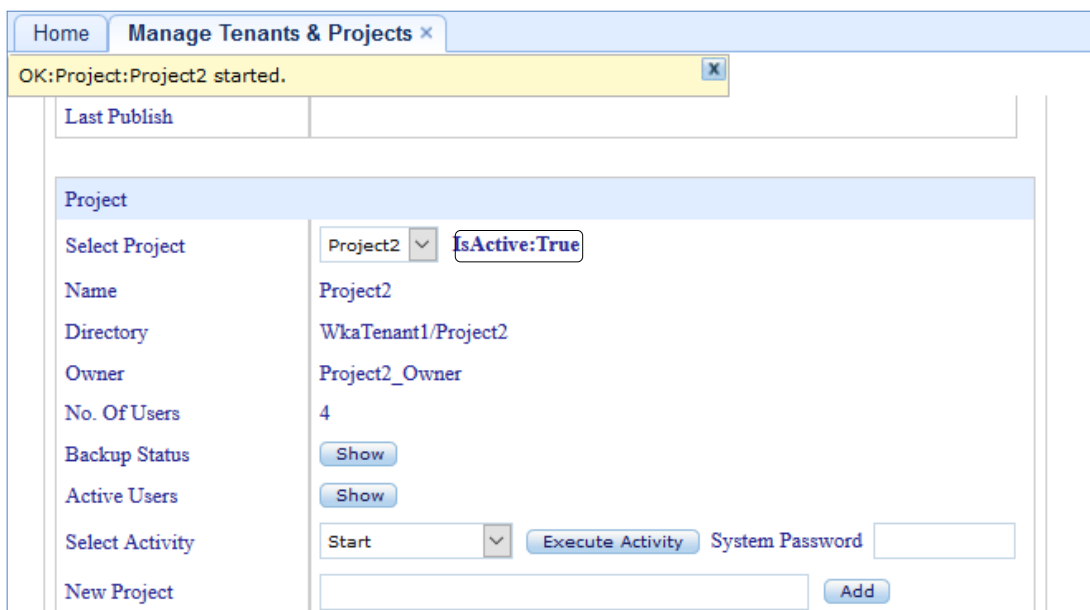


Figure 22: Project operation: Start

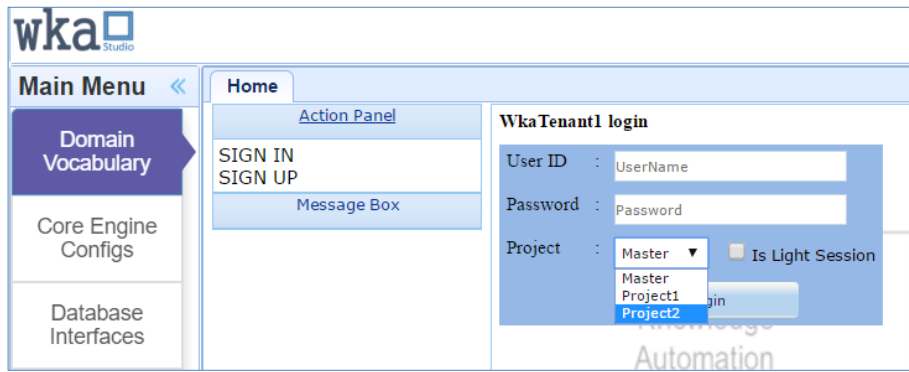


Figure 23: Login Interface (project connected)

5.2.3 Unloading the project:

Unload operation removes the project instance from memory.

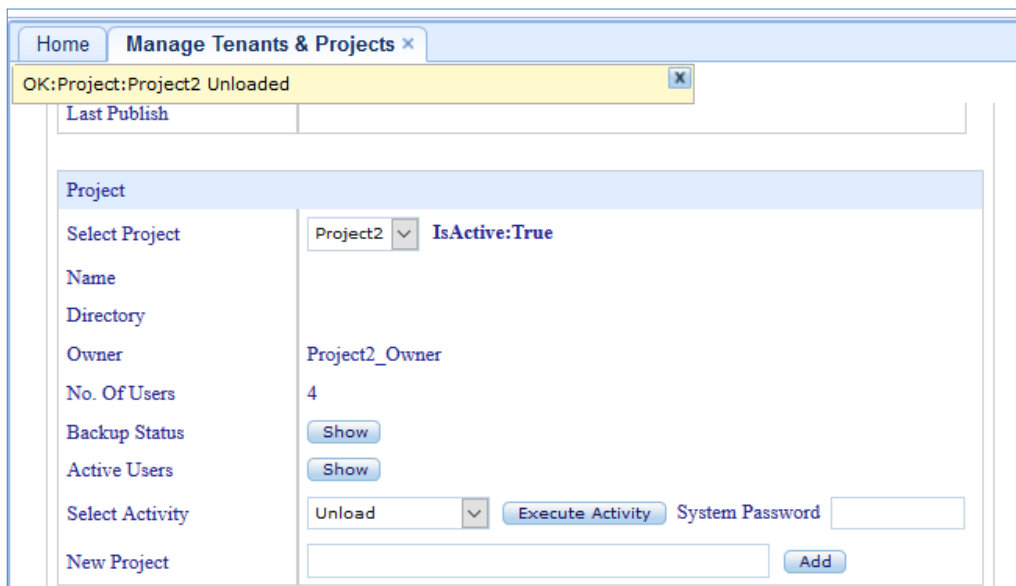


Figure 24: Project operation: Unload

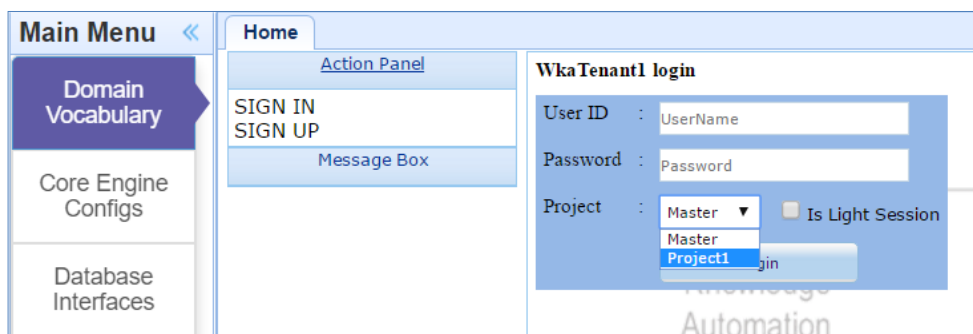


Figure 25: Project unload (project unloaded)

5.2.4 Loading the project:

Load activity loads the unloaded project and retains it in the memory.

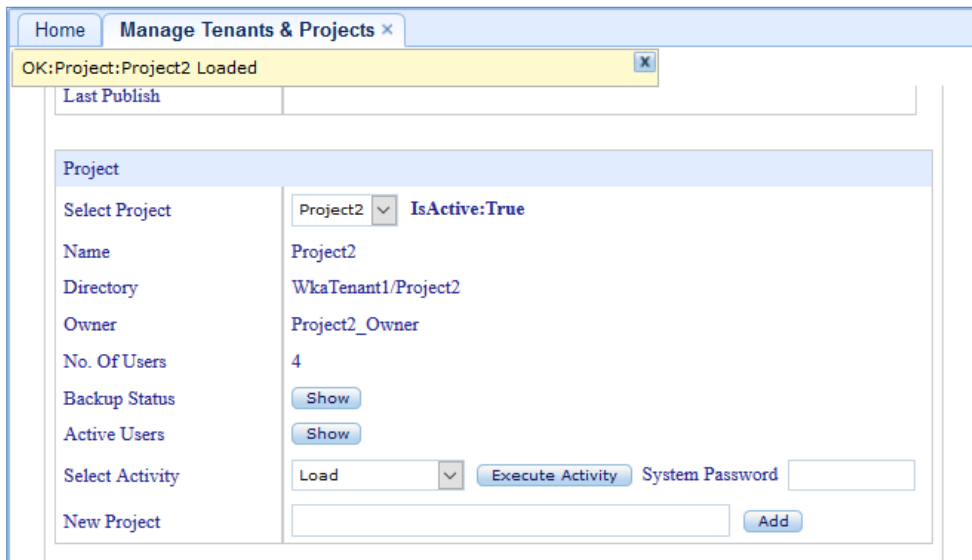


Figure 26: Project load (project loaded)

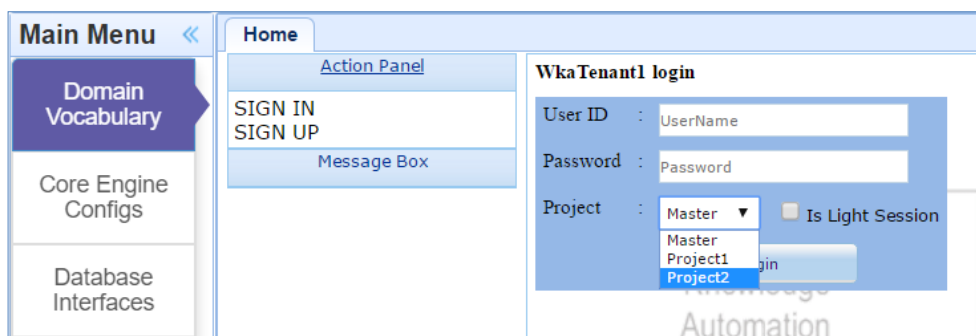


Figure 27: Login interface (project loaded)

5.2.5 Reloading the project

Reload activity used to the selected project (e.g. when project files/folders are restored or changed from other sources)

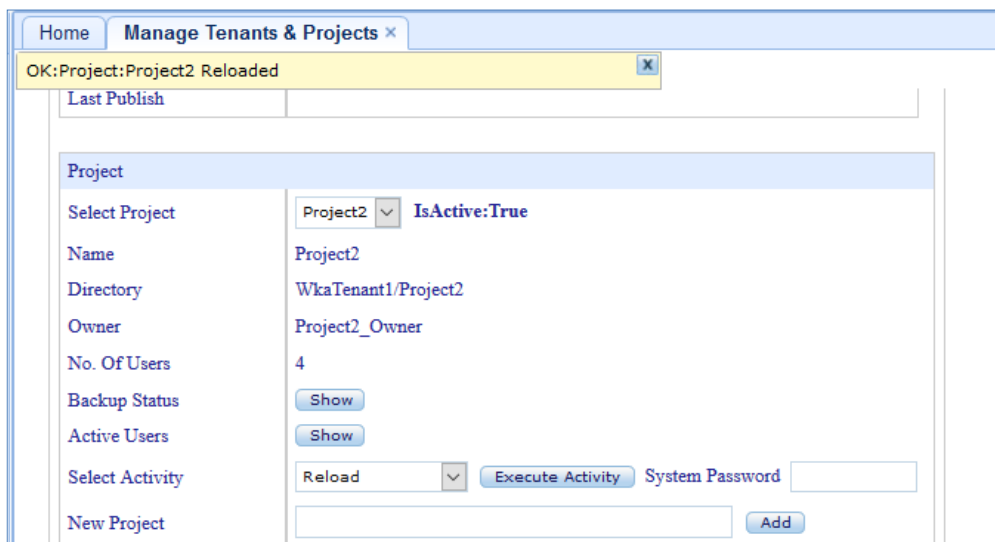


Figure 28: Project operation: Reload

5.2.6 Taking Backup of the project

Backup operation is used to take back up (all files and folders) of selected project and store it in the project folder. Backup file can be downloaded from Project Groups interface.

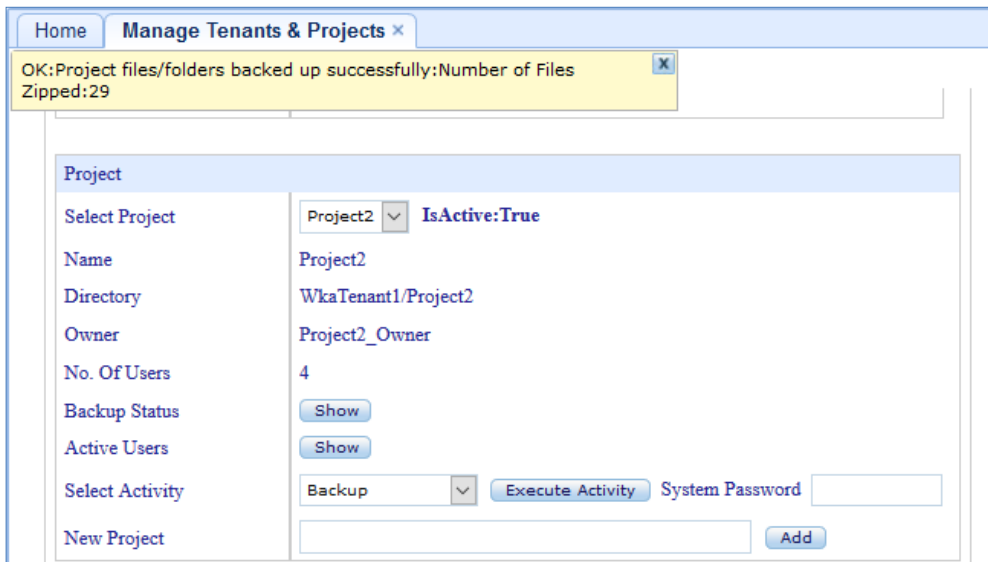


Figure 29: Project operation: backup

5.2.7 Restoring the project

Restore operation is used to restore all modified files and folder from ProjectName.zip file to the project folder. However, to reflect the changes in case modified files are restored, the project needs to be reloaded.

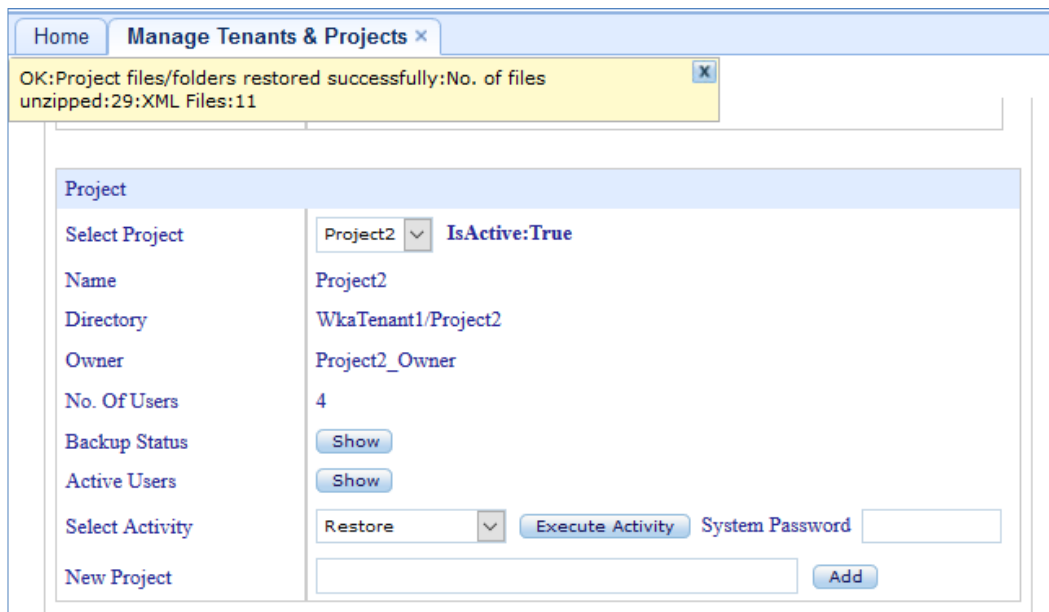


Figure 30: Project operation: Restore

5.2.8 Removing the project

Remove activity will remove all files and folders of selected project and delete all users created for a project.

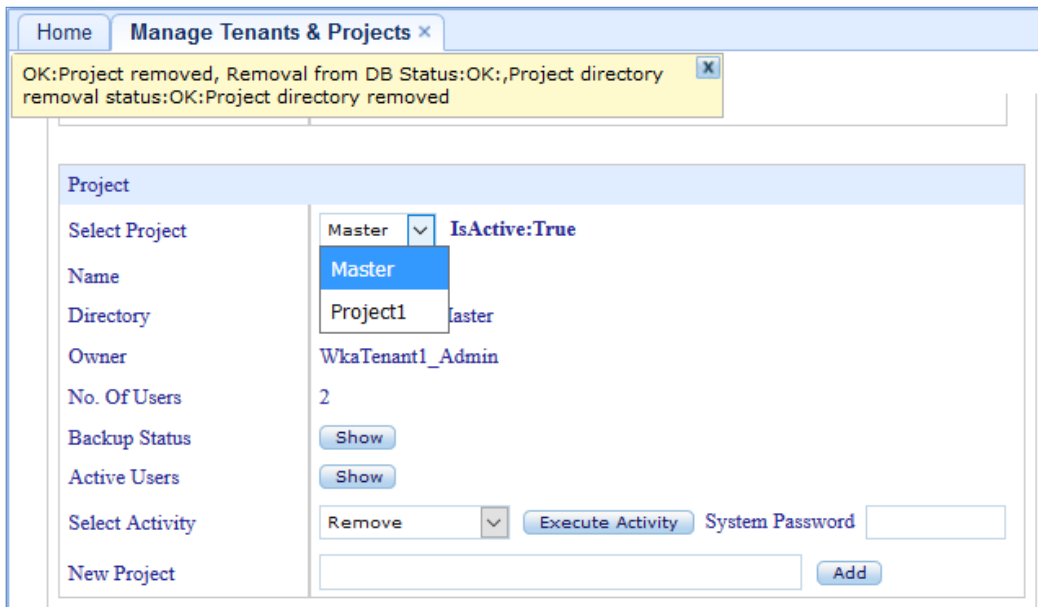


Figure 31: Project operation: Remove

5.2.9 Removing project from DB

This activity removes project details and users from database. Existing loaded project cannot be removed from database. However, project folders and files can still exist on the server.

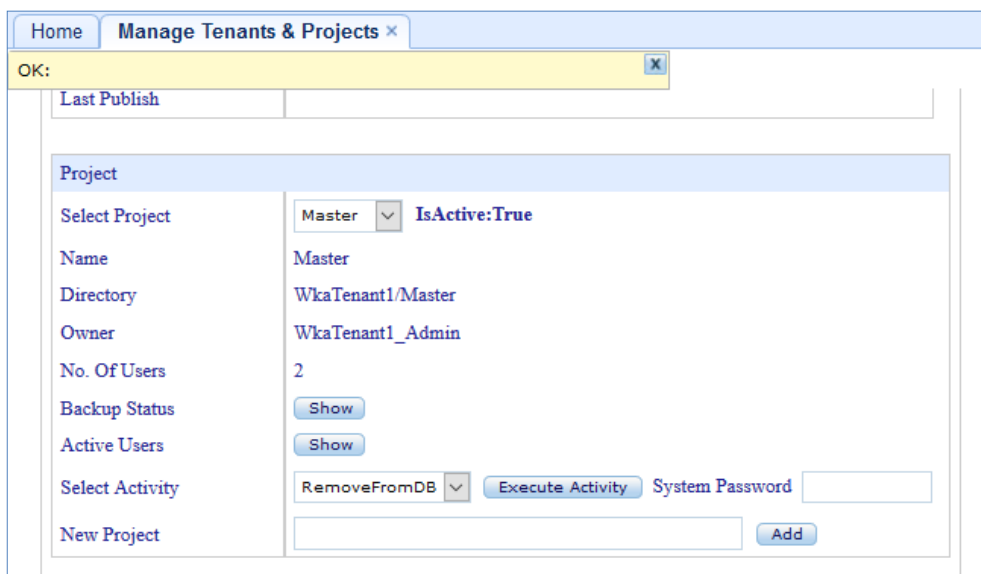


Figure 32: Project operation: Remove