

WALKOFF



Scavenger Hunt



Part 1: Getting to Know WALKOFF

1. Navigate to WALKOFF's default port and IP:
<https://127.0.0.1:8080/walkoff/login>
Note: You may need to expand your browser's advanced settings in order to temporarily add our certificate to the its trusted list.
2. Login as the default admin account.
Username: "admin"
Password: "admin"
3. Navigate to your personal user settings under the "admin" user icon and change the password to any desired password. Log out and log back in.


Part 2: Workflow Development

1. Click the "[Create New](#)" button on WALKOFF's homepage
Workflow Name: "DemoWorkflow1"
Permissions: "Everyone"
and press "[Continue](#)."
2. Click on the "[basics](#)" application and drag the "[hello_world](#)", "[random_number](#)," and "[echo_string](#)" actions to the workflow designer.
3. Make the "[random_number](#)" the start action.
4. String "[hello_world](#)" then "[echo_string](#)" to the start action.
5. Click on the "[echo_string](#)" action and change the call parameters from "static" to the "Action Output" of "[hello_world](#)."
6. Press the save button and run your workflow!
7. Click on the bottom tab  to view the console and results.
8. View your action results at the Execution tab  in the top nav bar.



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Part 3: Application Editing

1. Navigate to the Applications  tab on the top nav bar and select “[Edit Application](#)” for the “*basics*” application.
2. Open `/root/src/app.py`
3. Edit the `hello_world()` function at line 32 to be:

```
32 message = "This message has been changed by the scavenger!"
```

4. Save the change and press the “[Rebuild Image](#)” button.
5. Navigate back to the homepage and press the “[Execute Workflow](#)”  button.
6. Check out the execution results under the Execution tab  in the top nav bar and see your reflected changes!

Part 4: Global Creation

1. Navigate to the Setting tab  in the top nav bar and click “[Globals](#)”
2. Click “[+ Add Global](#)”

Name: “GlobalVariableI”

Value: {“GlobalVariableI Key”: “GlobalVariableI Value”}

Permissions: “Everyone”

Finally, press “[Save.](#)”

3. Navigate back to the homepage and click “[Workflow Editor](#)” for “DemoWorkflowI”
4. Change the parameter of “[echo_string](#)” from “Action Output” to “Global.” Select “GlobalVariableI.” Save and run the workflow to see new results.

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Part 5: Let's Get Role-ing

1. Navigate to the Setting tab  in the top nav bar and click *"Users"*

2. Click *"**+ Add User**"*

Username: "workflow_dev"

Roles: "workflow_developer"

Active: True

Choose any desired password and click *"Add User."*

3. Create a new workflow with any desired actions.

Name: Role-Based Workflow

For permissions, select *"Role Based."* Give the role *"workflow_developer"* the *"Can View"* permission. Press the **+** icon to add the role.

4. Create a new global with any desired value.


Name: Role-Based Global

For permissions, select *"Role Based."* Give the role *"workflow_developer"* the *"Can Decrypt"* permission. Press the **+** icon to add the role.

5. Log out of your admin account and log in as "workflow_dev."

6. Navigate to the *"Globals"* tab. Edit the value of GlobalVariableI to be "Edited by Workflow_Dev" and hit *"Save."*

7. Now, attempt to delete the only-viewable "Role-Based Global." Note how WALKOFF's permissions has disallowed for this user-tier to perform this action.



8. Edit "DemoWorkflowI" by clicking the **:** icon. Change the name of this workflow to "Edited by Workflow_Dev," hit *"Save"* and press the *"Execute Workflow"*  button for the workflow. View the execution results and note how the *"echo_json"* value has changed.

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9. Now, attempt to edit and run the only-viewable “Role-Based Workflow.”
Note how WALKOFF’s permissions has disallowed for this user-tier to perform such actions.
10. Still as “workflow_dev,” create a workflow with any desired name and actions. For the permissions, select “*only me.*”
11. Log out of the “workflow_dev” account and log in as “admin.” Note how the workflow and global variable you created as workflow_dev do not appear to the admin.
12. Finally, log out of the “admin” account and log in as “super_admin.”
Username: “super_admin”
Password: “super_admin”
Note how the workflow and global variable you created as workflow_dev do appear. The super_admin account is a singular immutable account. This role is given full access to all resources created on WALKOFF.

Part 6 (Time Permitting): Scheduling a Workflow

1. While logged in as a “super_admin” user, navigate to the setting tab  in the top nav bar and click “*Scheduler*”
2. Click “*+ Add To Scheduler*”
Workflow: “Edited by Workflow_Dev”
Name: “Demo Scheduler”
Trigger Type: “date”
For “*Run Datetime,*” select a time one minute ahead of the current time.
3. In one minute, check the Execution tab  in the top nav bar and see that your workflow has run.
4. Try and schedule other workflows using different trigger types!