Agent Studio HOL - Participant Guide

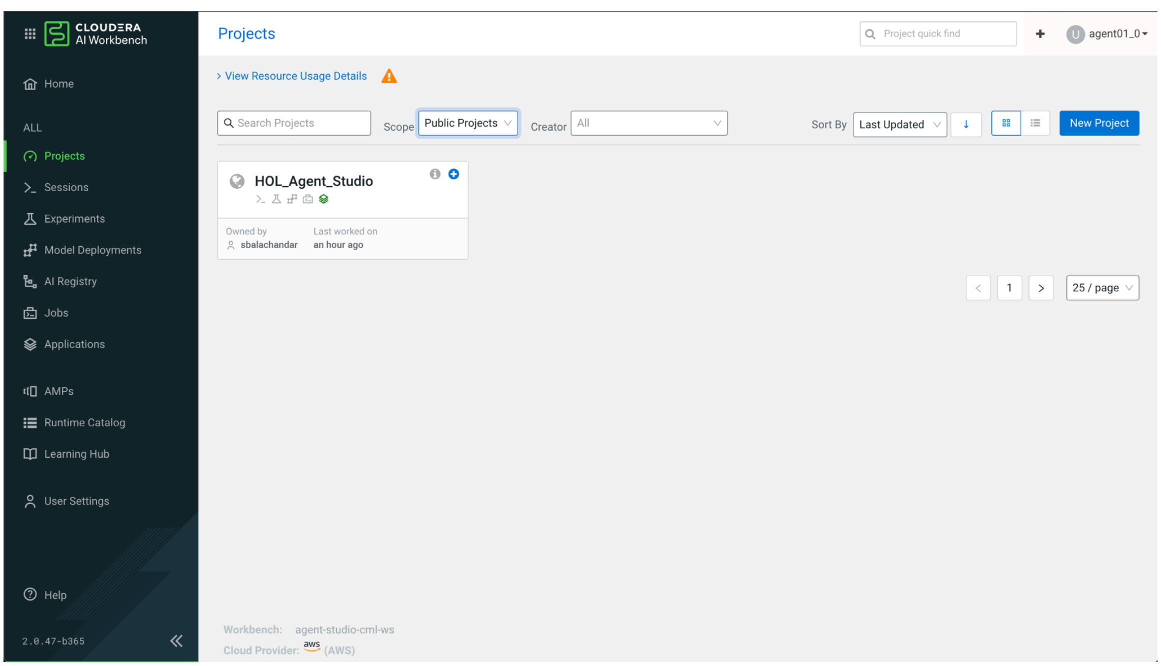
Setup

Login:

1. Login using the credentials provided
2. If you are asked to change your password, you can enter the same password provided (“changeme”) and move to the next step
3. In the home page, you have an option to enable the new UI. You may choose to do so
4. Once you have logged in, go back to the signup spreadsheet and click on the “Workspace Link” assigned to your user account.

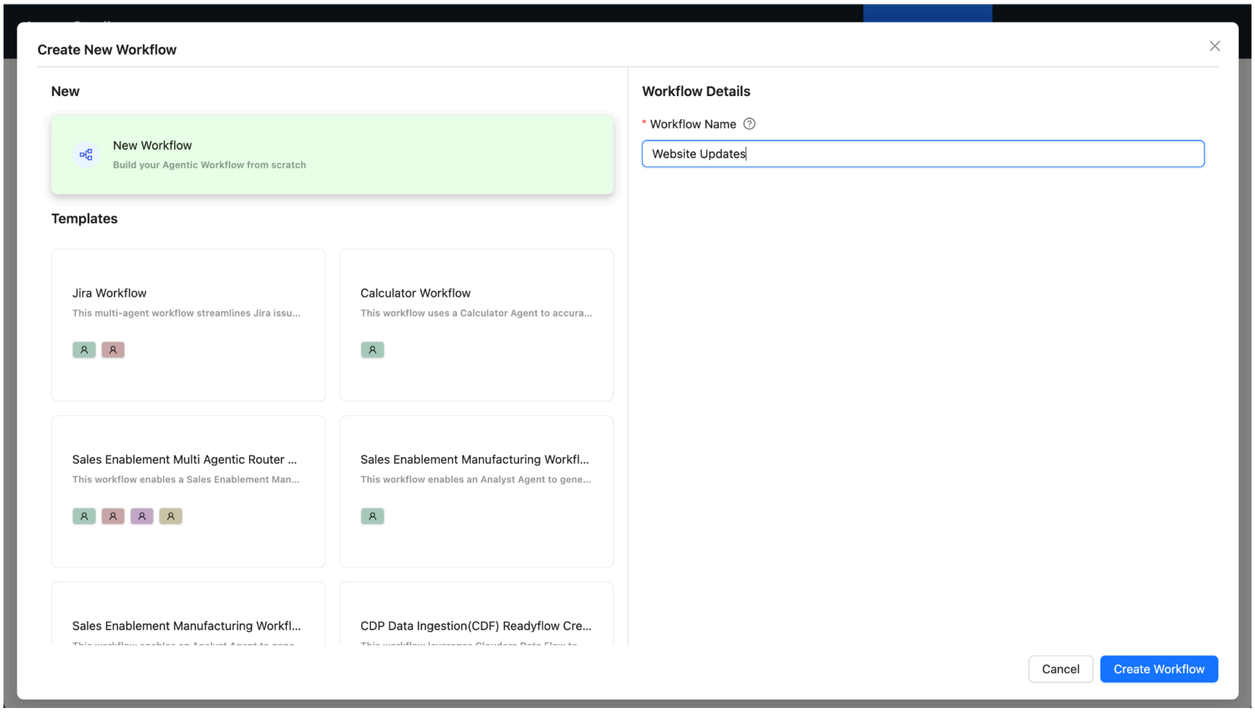
Step 1: Go to “Projects” on the left side panel Then at the top, there will be a “Scope” dropdown, where you can select “Public Projects”.

Step 2: Then click on the publicly available project named *HOL_Agent_Studio*



Module 1: Website Updates Agent

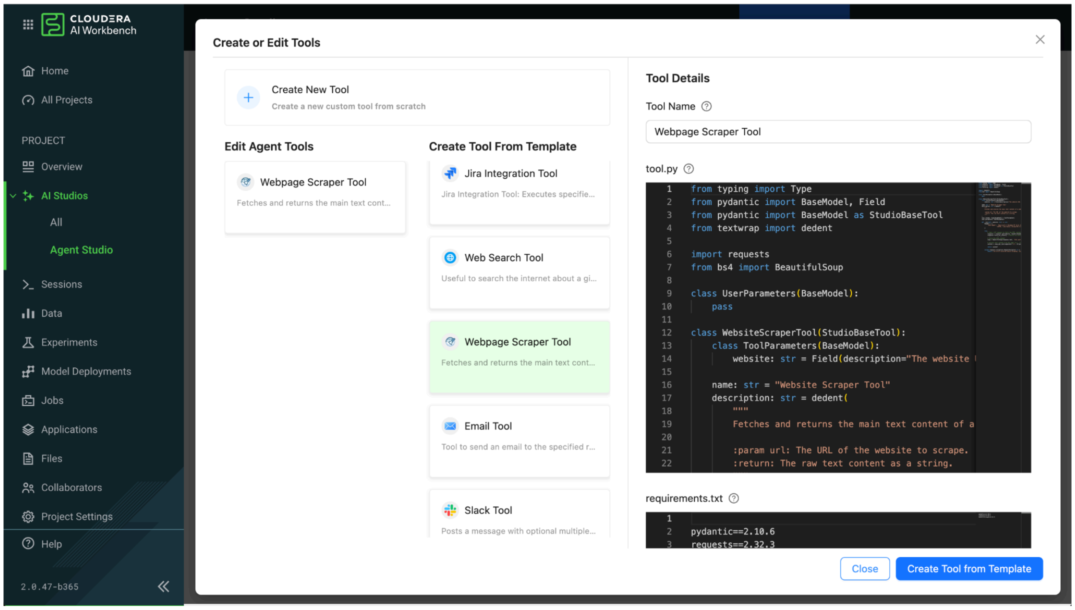
Step 1: Create a new workflow with the “Create” button on the top right. Give it a user friendly name like “<Your Name> - Website Updates” and then click “**Create Workflow**”.



Step 2: Next, configure the workflow with the following settings:

- Activate the “Is Conversational” flag
- Click “Create or Edit Agents” and create a new Agent with the following details:
    - Name: “Website Updates Agent”
    - Role: “Reporter on Latest Updates”
    - Backstory: “Your purpose is to scrape a website provided as an input and neatly summarize the updates for any articles created in the last 24 hours.”
    - Goal: “To create a bulleted list summarizing the latest articles written. Keep your response to no more than 10 bullets.”

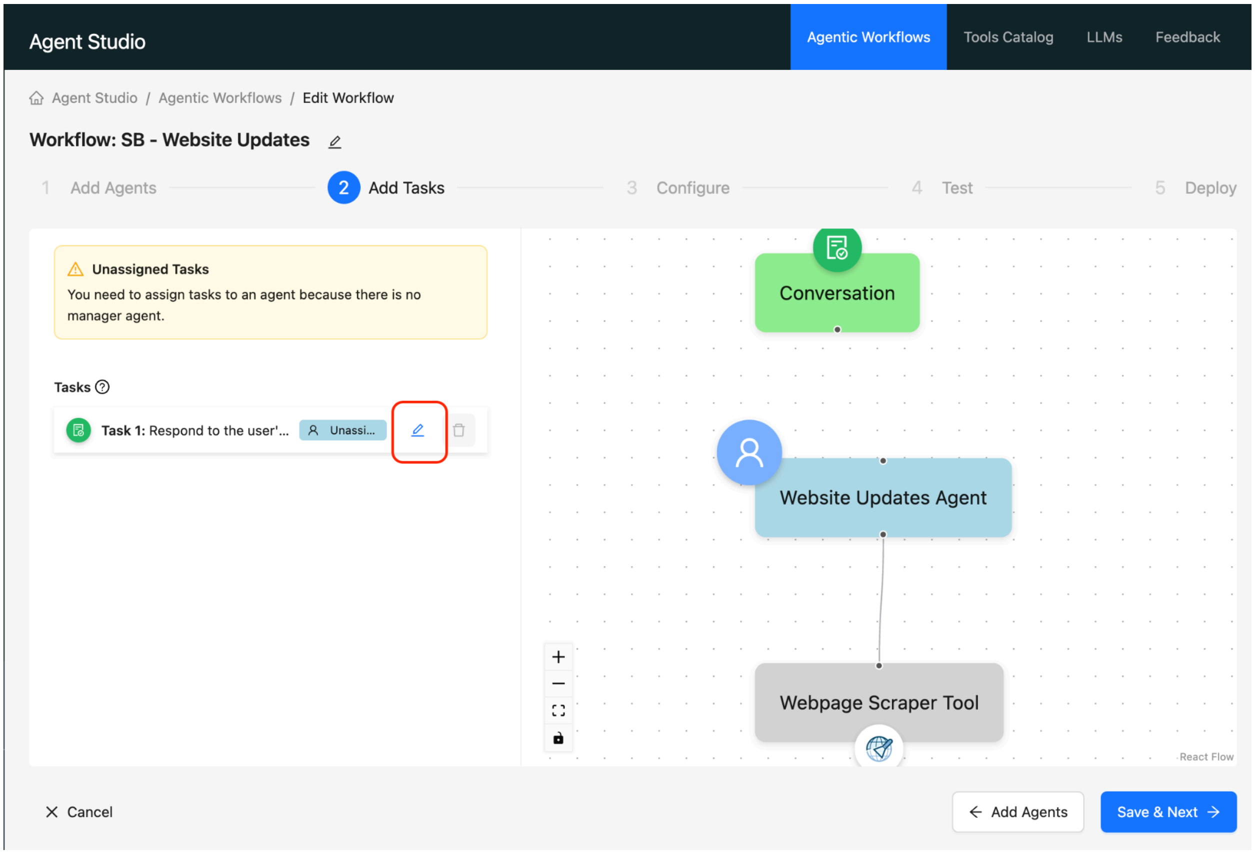
- ○ Click on “Create or Edit Tools”. Attach the built-in *Webpage Scraping Tool*. Click “Create Tool from Template”. Then click “Save Tool” and then “Close”



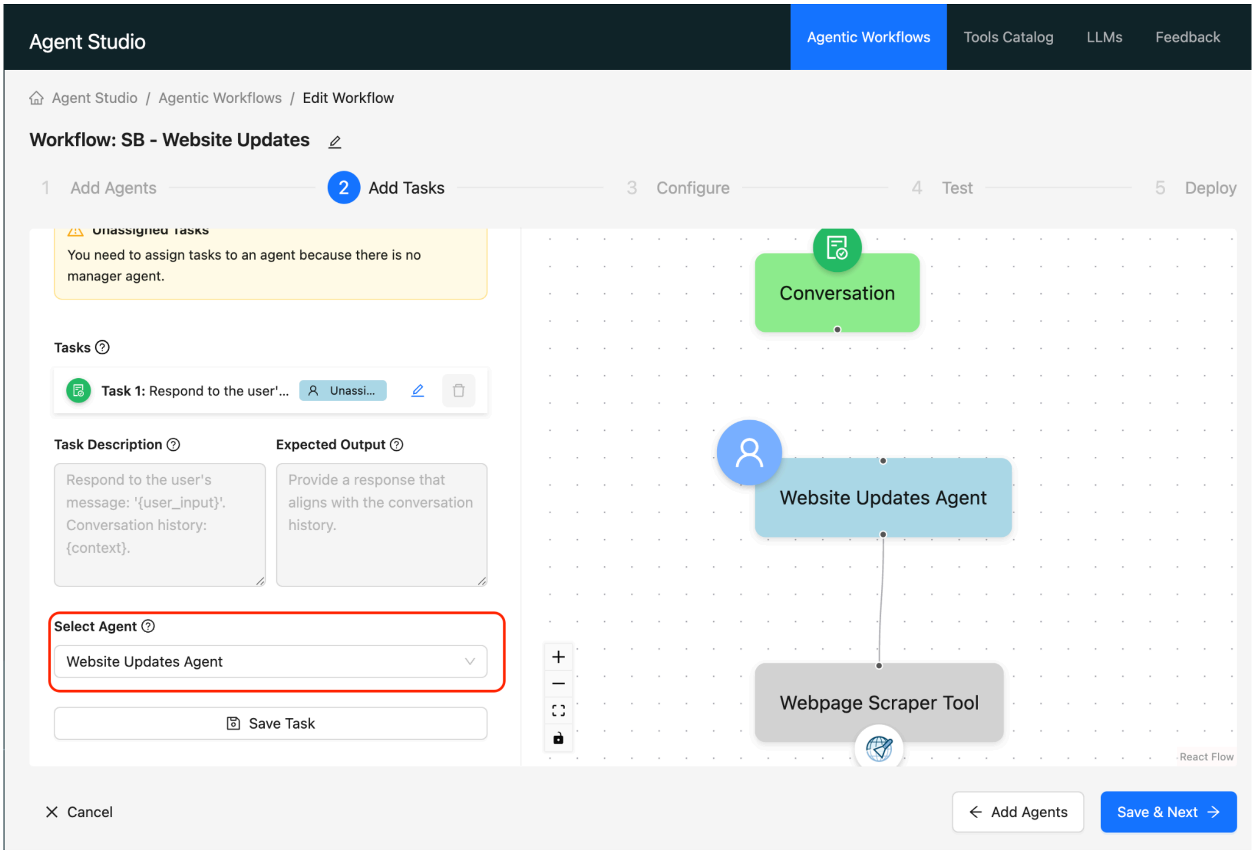
- ○ Finally, create the agent by clicking “Create Agent”. Then click “Close” once the agent is saved

- Next, Click “Save and Next” to go to the Tasks page

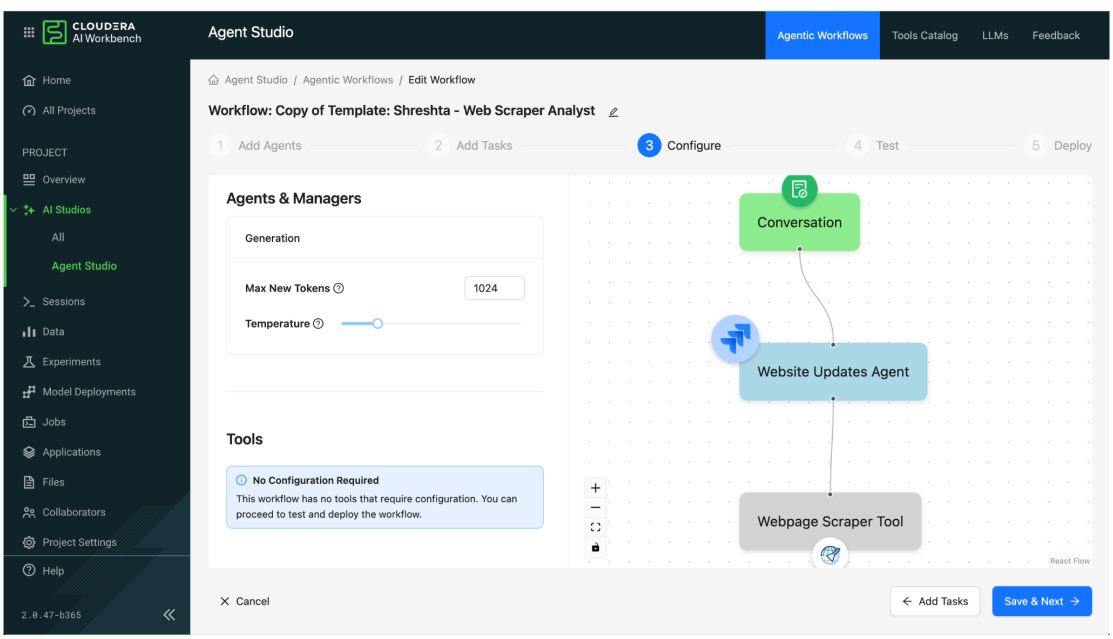
- On the “Add Tasks” page, click the Edit Icon shown below.



- Next, in the “Select Agent” option, select the “Website Updates Agent”. Then click “Save Task”



- In the “Configure” page, set the following parameters:
  - Max New Tokens: 1024
  - Temperature: 0.2

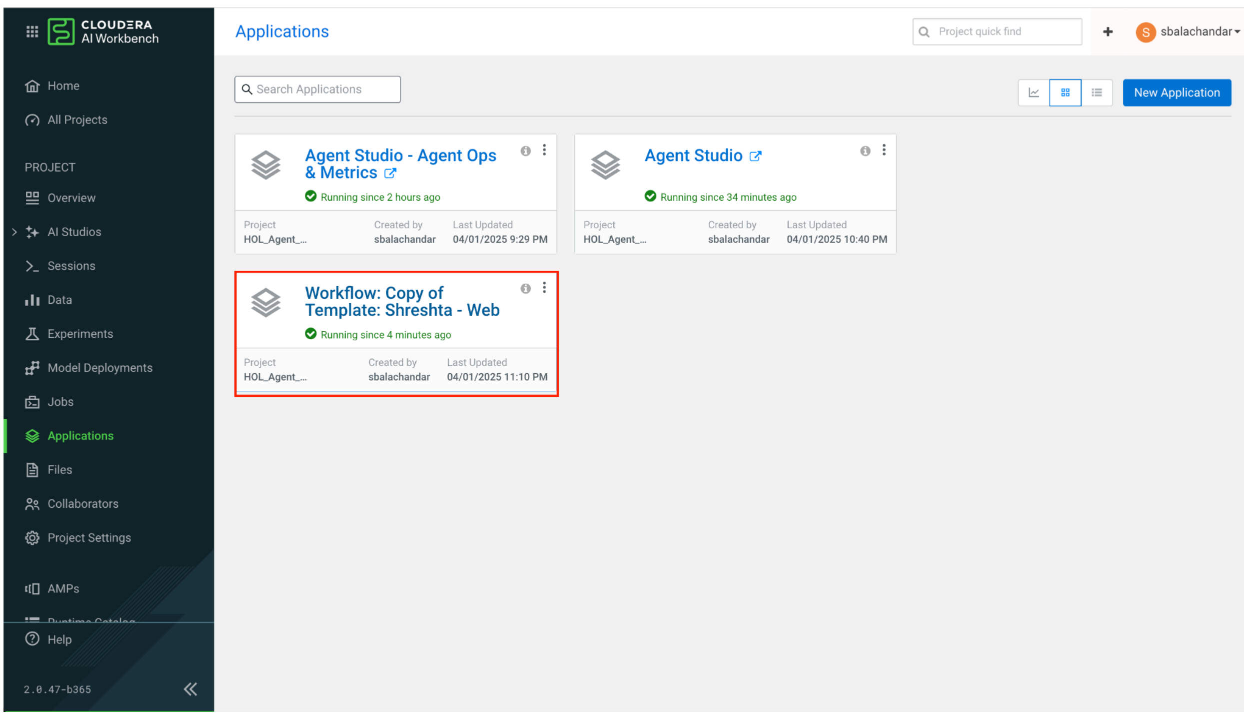


Step 3: Test your Workflow

- Try the following prompt: "Go to https://finance.yahoo.com/ and summarize the latest updates"
- Note: Feel free to try another website now

Step 4: Deploy your Workflow

- After testing, continue and deploy the workflow. You do not need to create an unauthenticated application. You can create a template so that you have a reference to use later.
- Your deployment will take 5-7 minutes to complete. You can then go to the "Applications" tab and see the deployment workflow. Click into the workflow and try a prompt similar to what you did in Step 3.



Step 5: Clean Up Deployment

- After testing, make sure to go back to Agent Studio and delete the deployed workflow

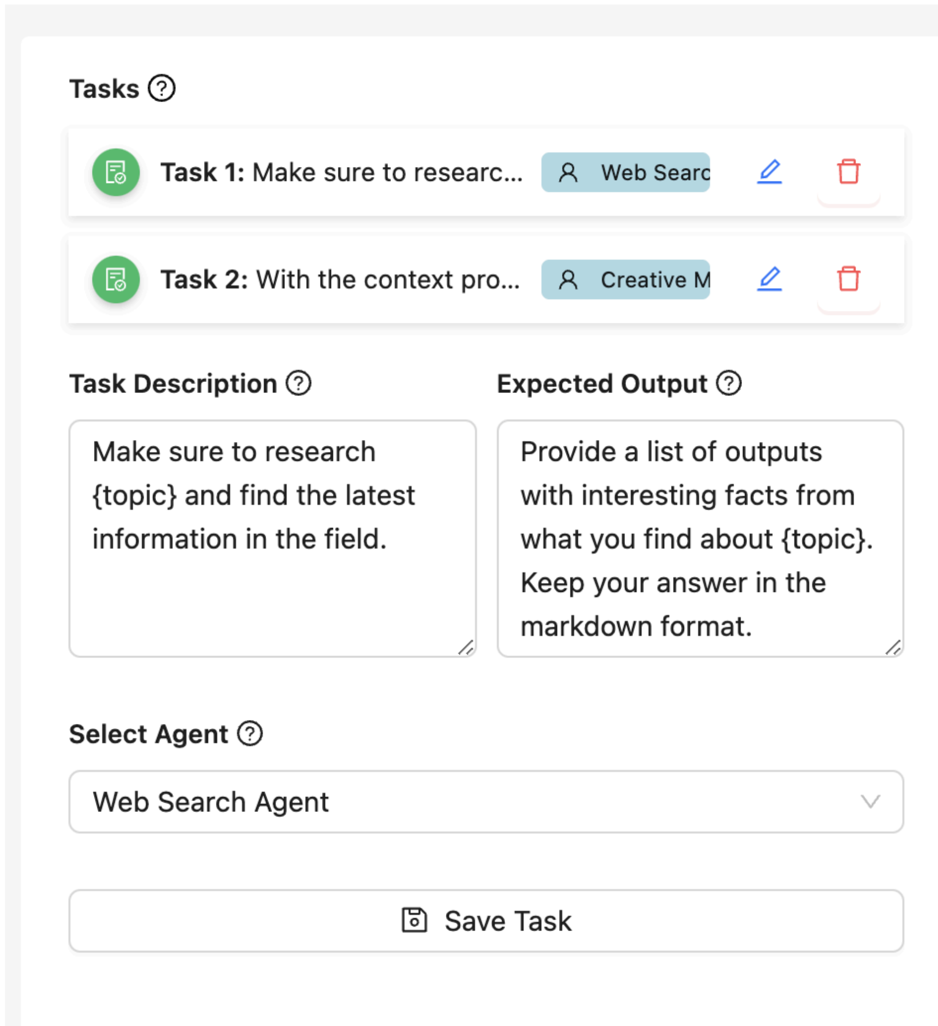
Module 2: Sequential Idea Generation Workflow

Step 1: Create a new workflow. Give it a user friendly name like “<Your Name> - Idea Gen” and then click “**Create Workflow**”.

Step 2: Next, configure the workflow with the following settings:

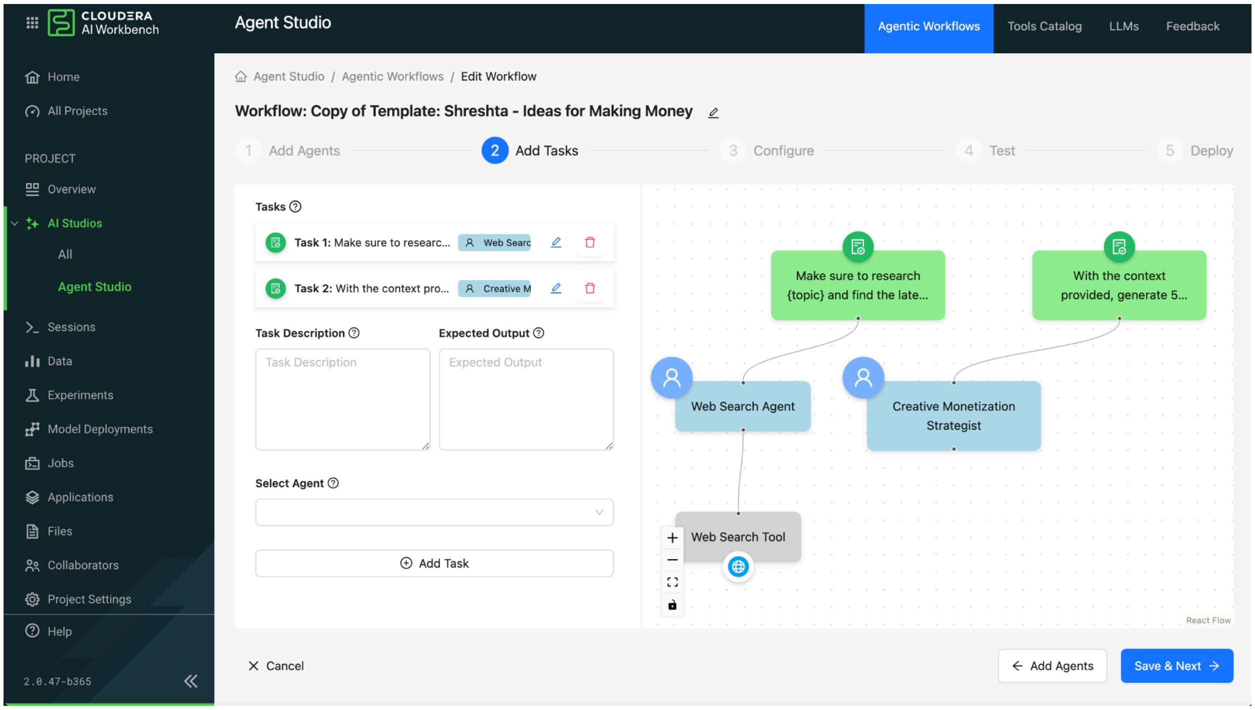
- Keep both the “Is Conversational” and “Manager Agent” flags turned off
- Click “Create or Edit Agents” and create the first Agent with the following details:
    - Name: “Web Search Agent”
    - Role: “Web Search Specialist”
    - Backstory: “You are a reliable web search specialist who has a knack for finding great information online using a web search tool. You are an expert in creating comprehensive search phrases that yield the best search results.”
    - Goal: “Return a summarized set of bullets that cover the most relevant details for the search required.”
    - Click on “Create or Edit Tools”. Attach the built-in *Web Search Tool*. Click “Create Tool from Template”. Then click “Save Tool” and then “Close”
    - Finally, create the agent by clicking “Create Agent”. Then click “Close” once the agent is saved
- Click “Create or Edit Agents” and create the second Agent with the following details:
    - Name: “Creative Monetization Strategist”
    - Role: “Creative Monetization Strategist”
    - Backstory: “You are a creative agent who reviews the information provided as an input and then comes up with ways to make money using this information”
    - Goal: “Provide a list of 5 bullets in markdown using the information you are given”
    - This agent does not need any tools
    - Finally, create the agent by clicking “Create Agent”. Then click “Close” once the agent is saved
- Click “Save & Next” and configure the Tasks. Since this is not a Conversational workflow, you will need to define tasks for each of the agents to accomplish
    - Make sure to create these in order to create a sequential workflow
    - For the first task, set the following parameters:
        - Task Description: “Make sure to research {topic} and find the latest information in the field.”

- Expected Output: “Provide a list of outputs with interesting facts from what you find about {topic}. Keep your answer in the markdown format.”
- Select Agent: “Web Search Agent”
- Save the Task by clicking “Add Task”



- For the second task, set the following parameters:
  - Task Description: “With the context provided, generate 5 ideas on ways to make money using that information.”
  - Expected Output: “5 bullets formatted in Markdown”
  - Select Agent: “Creative Monetization Strategist”
  - Save the Task by clicking “Add Task”

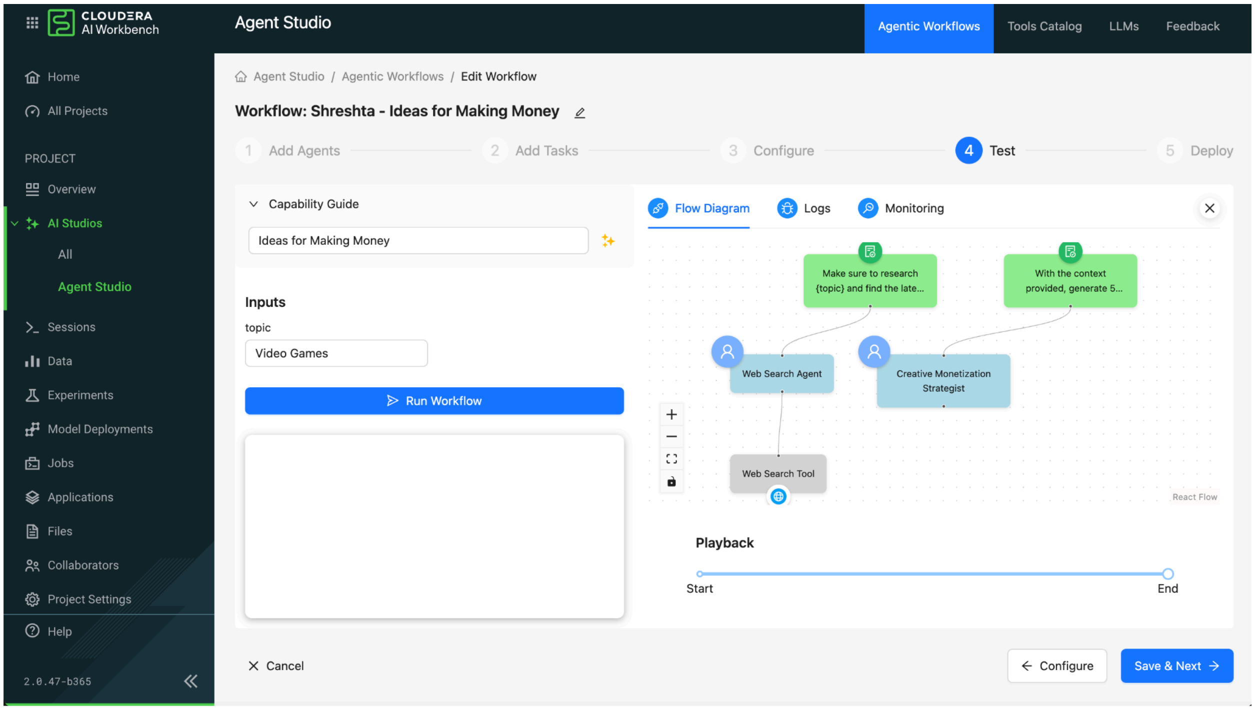
- Your workflow should now look like what you see below with 2 disconnected components. Click “Save & Next”.



Step 3: Configure and Test the workflow

- In the “Configure” page, set the following parameters:
  - Max New Tokens: 1024
  - Temperature: 0.2
- You will be asked to enter the “serper_api_key”. You will get this from your lab facilitator. Then click “Save & Next”

- Then choose a topic of your choice (We selected “Video Games”) below, and see what ideas come up. Click “Save & Next” after testing.



Step 4: Deploy your Workflow

- After testing, continue and deploy the workflow. You do not need to create an unauthenticated application. You can create a template so that you have a reference to use later.
- Your deployment will take 5-7 minutes to complete. You can then go to the “Applications” tab and see the deployment workflow. Click into the workflow and try a prompt similar to what you did in Step 3.

Step 5: Clean Up Deployment

- After testing, make sure to go back to Agent Studio and delete the deployed workflow

Module 3: Multi-Agent Customer Support Squad

Step 1: For this module, please follow the instructions on the GitHub repo. Use the following workspace to find your lab material: **as-hol-1**

Congrats! You just completed the entire lab!