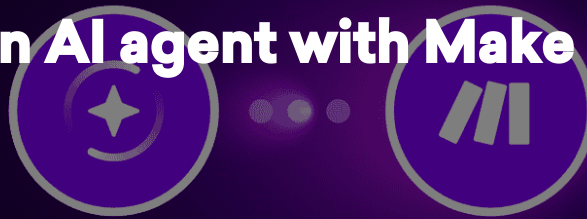


# Unit 2 - Build an AI agent with Make



## UNIT 2 - BUILD AN AI AGENT WITH MAKE

---

☰ 2.1 Unit Introduction

☰ 2.2 Demo overview

☰ 2.3 Demo

☰ 2.4 Wrap up



## Unit 2 Build an AI agent with Make

### 2.1 Unit Introduction

**This is the last unit of the course AI agents in Make.**

After all of this theory, it's time to see everything in action!

#### **In this unit you will learn:**

How to build an AI agent in Make

How to run your AI agent

Who stole the Very Precious Gem

---

# The clock is ticking for the thief!

---

[Continue to 2.2: Demo overview](#)



## 2.2 Demo overview

---

Time to see a demo of how build your an AI agent with Make!

The first step is to decide what you want your AI agent to do.



The AI agent in this example is a **police detective agent** that will help investigate robberies.

The AI agent's goal is to **figure out who stole the Very Precious Gem** using the alibis you give it. If the alibis don't provide enough information, the AI agent will instead **write follow-up questions** you can ask to collect more clues. However, if there's enough evidence, the AI agent will identify the criminal and **send an email** to the captain with all the details.



---

**To build this agent, you need all the elements you learned about in the previous section.**

*Click each one to learn more.*

### **Information related to the task** —

You need to create a **Google spreadsheet**. One tab contains the **list of alibis** the AI agent can access, and the AI agent uses another tab in the same spreadsheet to **write the follow-up questions**.

### **Tools** —

Your AI agent needs two tools to carry out these actions:

- Send an email
- Write follow-up questions

### **Scenario** —

You need a Make scenario to set up and run your AI agent. This scenario provides the AI agent with the list of alibis and includes the **Run an Agent** module that you will use to define your agent.

---

**Let's keep going!**

[Continue to 2.3: Demo](#)



## 2.3 Demo

---

Your AI agent needs access to specific data or to perform specific actions to be able to do its job.

You need to create a **Google spreadsheet** with two tabs:

- **Alibis:** contains the list of alibis.
- **Follow-up questions:** an empty tab in which the AI agent will write follow-up questions if needed.



## List of Alibis



File Edit View Insert Format Data Tools Gemini ...



100% ▾



123

Defaul... ▾

D13 ▾



	A
1	<b>Alibis</b>
2	Crystal was in the hotel's fitness center from 3:45 PM to 4:45 PM
3	Crystal then went directly to the hotel cafe for a quick coffee
4	A hotel guest confirmed seeing Crystal at the cafe at 4:55 PM
5	The hotel's cameras recorded Crystal walking from the fitness center to the cafe
6	Tyler was seen near the main desk just before 4 PM, adjusting hit tie
7	Tyler briefly disappeared from the lobby's camera view around 4:30 PM
8	Fred said he was in his room all the time
9	
10	

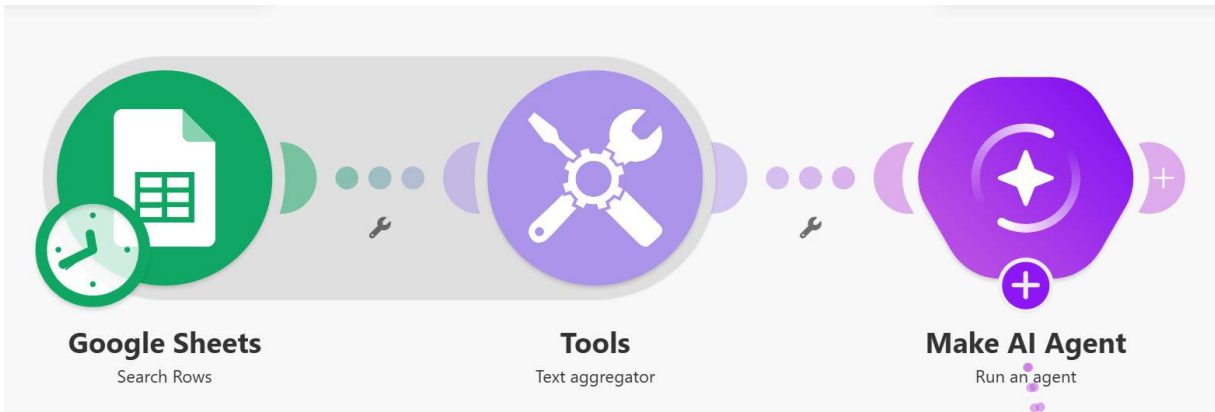
Here are the alibis.

Let's have a look at how to build the agent.

1

## Build the scenario

## Step 1



This scenario sets up and runs your AI agent. It also gives the agent the list of alibis from Google Sheets, ensuring it has all the information it needs before it starts.

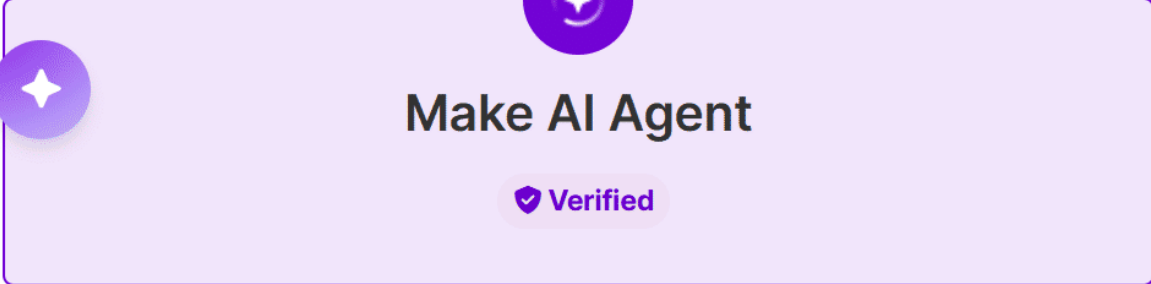
The scenario is in scheduled mode. You can trigger it manually by clicking **Run once**.

2

## Set up the AI agent

Step 1

## Step 1




A light purple rounded rectangular card with a dark purple border. It features three circular icons with a white star: one on the left side, one at the top center, and one at the bottom center. The text "Make AI Agent" is centered in a bold, dark font. Below the title, there is a small purple badge with a white checkmark and the word "Verified".

### AGENTS

---



**Run an agent**  Tokens

Executes an agent in Make

The **Run an agent** module is where you configure your AI agent and give it the instructions it needs.

## Step 2

## Step 2

The screenshot displays the 'Make AI Agent' configuration interface. On the left, the 'Make AI Agent' panel is visible, showing a 'Connection' dropdown menu with 'AA\_C06' selected, a 'Model' dropdown menu, and an 'Instructions' text area containing 'You are an agent specialized in...'. On the right, the 'Create a connection' dialog is open, featuring a 'Connection type' dropdown menu with 'Make's AI Provider' selected, and a 'Connection name' text area with 'My Make AI Provider connection'. A blue information box below the dialog states: 'If you're using Make's AI Provider, this module consumes credits for AI tokens. [Learn more](#)'. At the bottom right of the dialog are 'Close' and 'Save' buttons.

First, **connect to an AI provider** so your agent can access an LLM. If you have a Pro, Teams or Enterprise plan, you can use your own provider or the one Make offers.

For this demo, use the **Make AI provider** that is available for all plans.

Step 3

### Step 3

## Make AI Agent



### > Connection \*

	My Make AI Provider c...		Add
--	--------------------------	--	-----

For more information on how to create a connection to Make AI Agent, see the [online Help](#).

### > Model \*

Refresh  Map

Recommended: Large
--------------------

Select the **Large model**, testing showed it produces the best results for this task.

## Step 4

### Step 4

> **Model** \* ↻ Refresh  Map

Recommended: Large ▼

> **Instructions**

You are a police detective that investigates robberies.

Describe your agent's role and how it should behave. Define its goals, steps it should take, and any rules it should follow to do its job.

Next, write the **Instructions** that define your agent's role.

## Step 5

## Step 5

Make AI Agent

⋮ ☒ ? ×

> Input \*

The Very Precious Gem was stolen from the Every Bracelet You Take Hotel, near the lobby, between 4:00 p.m. and 5:00 p.m. There are three suspects: Crystal, Tyler, and Fred. Here is a pipe-separated list of the alibis for the three suspects: "" `text` "".

Try to determine who committed the theft.

- Proceed by eliminating suspects who have a valid alibi.
- If only one suspect doesn't have a good alibi, conclude that he or she could be the one that stole the Very Precious Gem, and send an email with your report. In this case, don't ask follow-up questions.
- If more than one suspect doesn't have a good alibi, ask follow-up questions. Do not send the email in this case.

This is the incoming data or task your agent will work on. You can map values from previous modules here, such as new chat messages or emails.

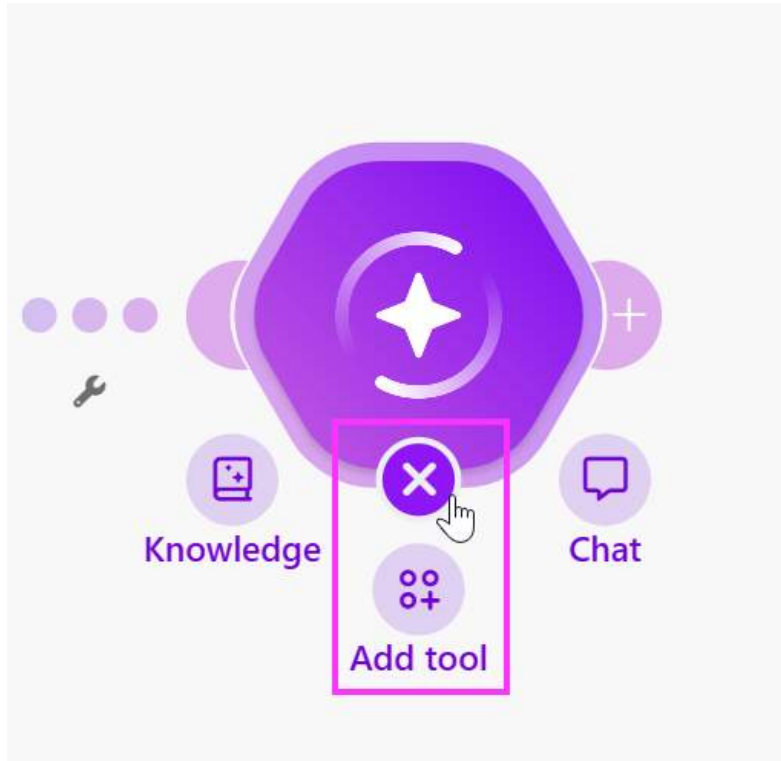
Write the **Input** with the specific task you want it to complete.

3

## Add module tool

## Step 1

### Step 1



Now give your agent the tools it needs, starting with the ability to send emails. Since Make has a module for this specific action, add it as a module tool.

To do so, hover over the **+** icon of the **Run an agent** module and select **Add tool**.

## Step 2

## Step 2

Select tool



← BACK



Email

Built-in

ACTIONS



**Send an Email to a Team Member**

Sends an email to a specific member of your team.



**Delete an Email**

Removes an email or a draft from a selected folder.

Then select **Email > Send an email to a team member.**

## Step 3

### Step 3


#### Tool settings



##### > Tool name \*

Send an Email to a Team Member


 Must be at most 120 characters long.

 Give the tool a clear, descriptive name that reflects its purpose. For example, **Send a welcome email to new customers.**

##### > Tool description \*

Sends an email to a specific member of your team.

 Must be at most 240 characters long.

 Explain what the tool does and when the agent should use it.

Set the **Tool name** and **description** so that the AI agent will use to understand what the tool does.

## Step 4

## Step 4

**Email** ⋮ ✖ ? ×

---

**To\***

▼

Select the member of your team that you want to send an email to.

**Subject**

Your agent will auto-fill this field ✎ Add details

Let AI Agent decide

**Content**

Your agent will auto-fill this field  
The content has to be nicely formatted with HTML ×

Let AI Agent decide

You can use HTML tags.

Then choose yourself as the recipient and set **Subject** and **Content** to **Let AI agent decide**.

You can also add details to add more explanation for the agent. The agent will determine these values based on the specific task.

## Add scenario tool

## Step 1

### Step 1

Next, add the tool that lets the agent write follow-up questions. The agent provides all the questions together, so you need to split them into separate lines. Since this requires multiple actions, build a scenario tool.

To do so, hover over the **+** icon of the **Run an agent** module and select **Add tool**. Then select **Scenarios > Call a scenario**.

Provide the **scenario description** so the agent understands what it does. In the **Scenario** dropdown, select **+ Create a scenario**.

## Step 2

## Step 2

The image shows a software interface with two overlapping dialog boxes. The background dialog is titled "Call a scenario" and contains the following sections:

- Scenario \***: A text input field with a placeholder "Scenario within your team to run. To send data to the scenario, you must define inputs." Below it is a "Description \*" field with a placeholder "This helps your agent understand the scenario purpose and will be updated directly in the scenario as well."
- Wait for the scenario to finish**: Radio buttons for "Yes" (selected) and "No". Below it is a note: "Select Yes to wait for the called scenario to finish or return data from this scenario's run."
- Get data back from the scenario**: A section with a plus icon and a "Return" button.

The foreground dialog is titled "Create scenario" and contains the following sections:

- Name \***: A text input field containing "Send follow up questions". Below it is a warning: "Must be at most 120 characters long."
- Description**: A text input field with a placeholder "Enter description". Below it is a warning: "Must be at most 240 characters long."
- Input structure**: A section with a plus icon and a label "+ Add item".
- Output structure**: A section with a plus icon and a label "+ Add item".

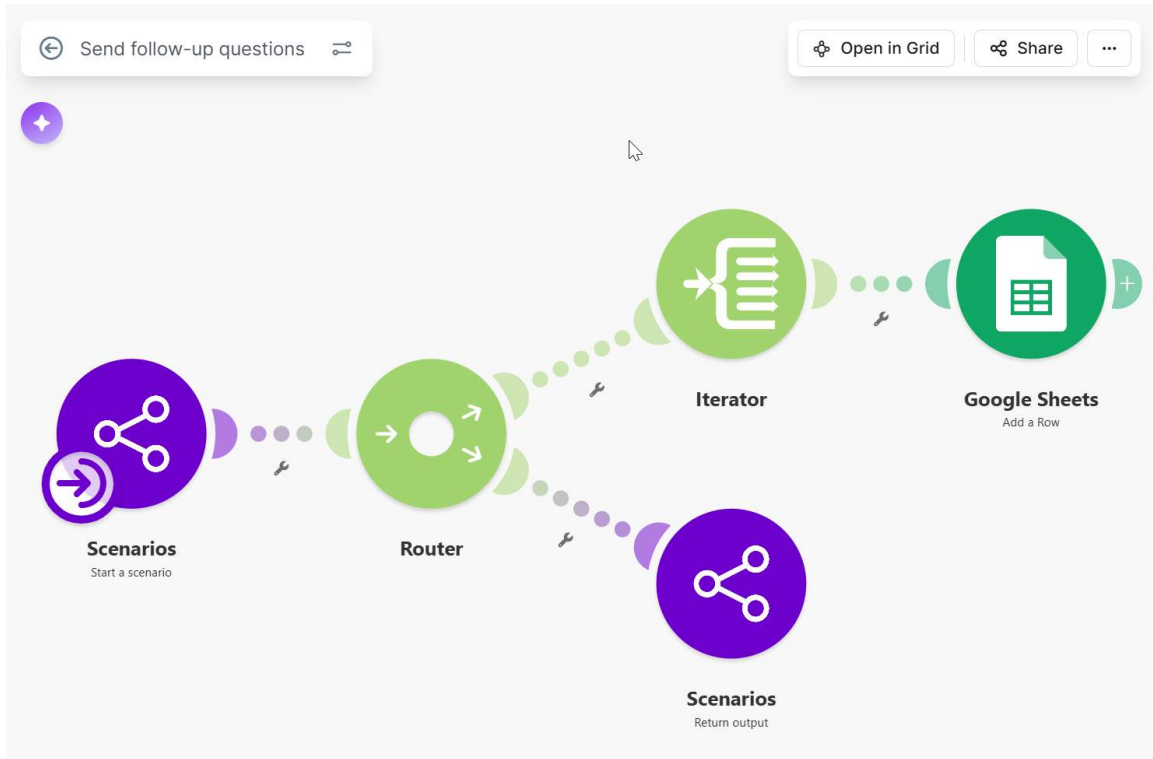
At the bottom of the "Create scenario" dialog are "Close" and "Create scenario" buttons. At the bottom of the "Call a scenario" dialog are "Cancel" and "Save" buttons.

Name your scenario and define both **input** and **output**.

When you click **Create a scenario**, Make opens the scenario editor where you can build it. Notice that Make automatically adds the **Start a scenario** and **Return output** modules.

### Step 3

## Step 3



Build the scenario based on what you want the tool to do.

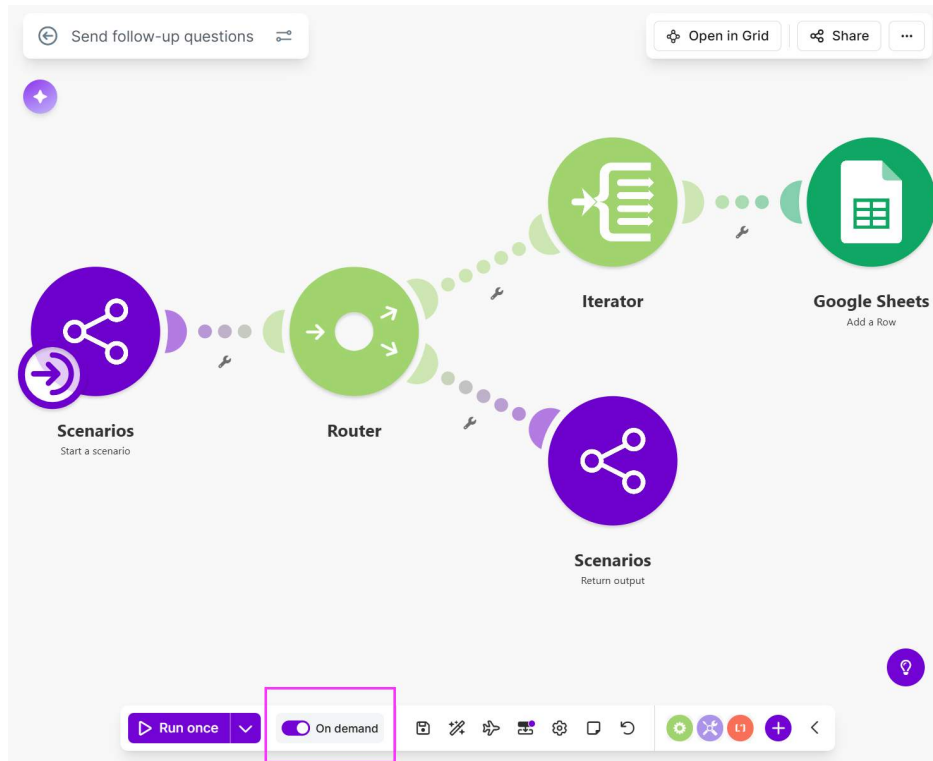
Here, the agent provides questions in an array.

Use an **Iterator** to split them into separate bundles so each question goes into its own spreadsheet row.

Add a **Router** to process the **Return output** module at the end, after the scenario finishes processing all items. Without it, the scenario would stop prematurely since the **Return output** module ends the scenario run.

## Step 4

## Step 4



Turn **ON** your scenario.



**Note that if you're on the free plan, you can only keep two scenarios active at a time. If you have more than two active scenarios, you will see an error when you try to add your tools.**

The AI agent is now ready and it has everything it needs to carry out its tasks.

---

## Time to run it!

### **Not enough information**

Click **Run once** to run the scenario. The AI agent couldn't determine who committed the crime with the information you provided, so you didn't receive any email with the crime report.

Go to the **follow-up\_questions** tab of the spreadsheet and see that the AI agent added questions to try to identify the criminal, as expected.

## Identifying the criminal

Let's add more alibis that will allow the AI agent to identify the thief. This time, when you run the scenario, the AI agent could identify who stole the Very Precious Gem and sent a report to your email with all the information. It didn't add any follow-up questions this time. There's no escape for Tyler!

The screenshot shows a Google Sheets spreadsheet with the following content:

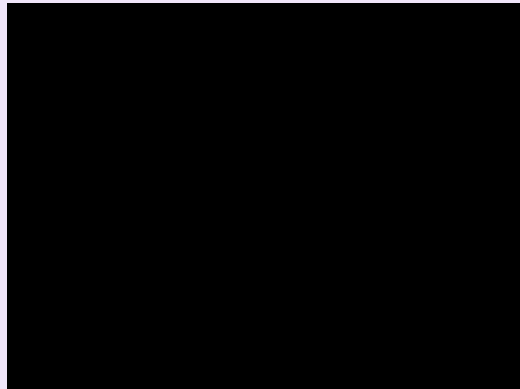
	A	B
1	<b>Alibis</b>	
2	Crystal was in the hotel's fitness center from 3:45 PM to 4:45 PM	
3	Crystal then went directly to the hotel cafe for a quick coffee	
4	A hotel guest confirmed seeing Crystal at the cafe at 4:55 PM	
5	The hotel's cameras recorded Crystal walking from the fitness center to the cafe	
6	Tyler was seen near the main desk just before 4 PM, adjusting his tie	
7	Tyler briefly disappeared from the lobby's camera view around 4:30 PM	
8	Fred was attending a virtual conference call in his room from 4:00 PM to 5:15 PM	
9	The webcam on Fred's laptop was active throughout the call	
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		

At the bottom of the spreadsheet, there is a filter bar showing 'alibis' selected and 'follow-up\_questions' with a dropdown arrow. The 'Count: 2' is displayed on the right side of the filter bar.

 **Pro tip**

If you're curious about how your AI agent worked, look at the **execution steps** and the **Reasoning tab**.

You can find them in the output bundle of the **Run an agent** module. They show all the information you gave to the AI agent and the steps it took to complete the task. Open them one by one and read what your AI agent did. You will also see which tool the AI agent called and the information it received from that tool.



All done! Now that you've seen how to build and run an AI agent in Make it's time to put it into practice.



Go to the [Make website](#) and create a new scenario.

Click on the lightbulb in the bottom right to open the **Resources**. Select the **Build the agent** one and follow the instructions to build your first agent!

[Continue to the wrap up for this unit](#)



## 2.4 Wrap up

1

To build an AI agent in Make, **create a scenario** and **add the Run an agent module**. Connect to an AI provider, select an LLM, and write instructions that define your agent's role and task. Hover over the **+** icon of the **Run an agent** module and select **Add tool**: select **Make modules for single actions** or **build scenario tools for complex tasks**.

2

Running your AI agent means **running the scenario that contains it**. Set the scenario to scheduled mode to trigger it manually. Once running, your agent works independently, calling tools and making decisions. Check the **execution steps** and the **Reasoning tab** in the output bundle to see what your agent did.

**Now build your own AI agent.** Go to Make and create a new scenario. Click the lightbulb in the bottom right to open Resources and select **Build an AI agent**. Follow the instructions to configure your agent. This hands-on practice shows how everything works together.

## Unit complete!

Well done!

You have seen how to build and run your first Make AI agent! And you discovered who stole the Very Precious Gem.



**Time to check what you have learned!**

** make | academy**



**Mark this task complete to continue to the next unit.**