

**Problem statement:**

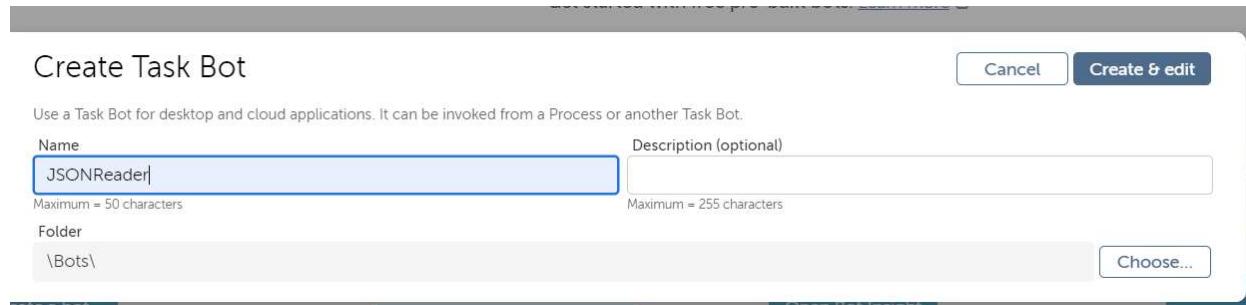
1. Create a Bot to extract data from JSON file and display output in message box

**Controls used:**

1. REST Web Services: GET method- This control Retrieves information identified by parameters included in the URI. There is no content type for this method because all the parameters are passed as part of the URI.
2. JSON: Start Session- Creates a new JSON session based on a JSON file or specified text
3. JSON: Get Node list- Retrieves a list of nodes for a node path
4. JSON: End session- Closes a JSON session
5. Loop: Runs a sequence of actions for a specific number of times or until a condition is met
6. JSON: Get Node Value- Retrieves the node value in JSON
7. Message box- Inserts a message box to show a message when the task runs

## 1 Steps to create and execute bot to extract data from JSON file and display output in message box

**Step 1:** Create a new bot by clicking on Home page of Automation Anywhere, Click on Create bot option. Give the bot name and click on “Create an edit”.



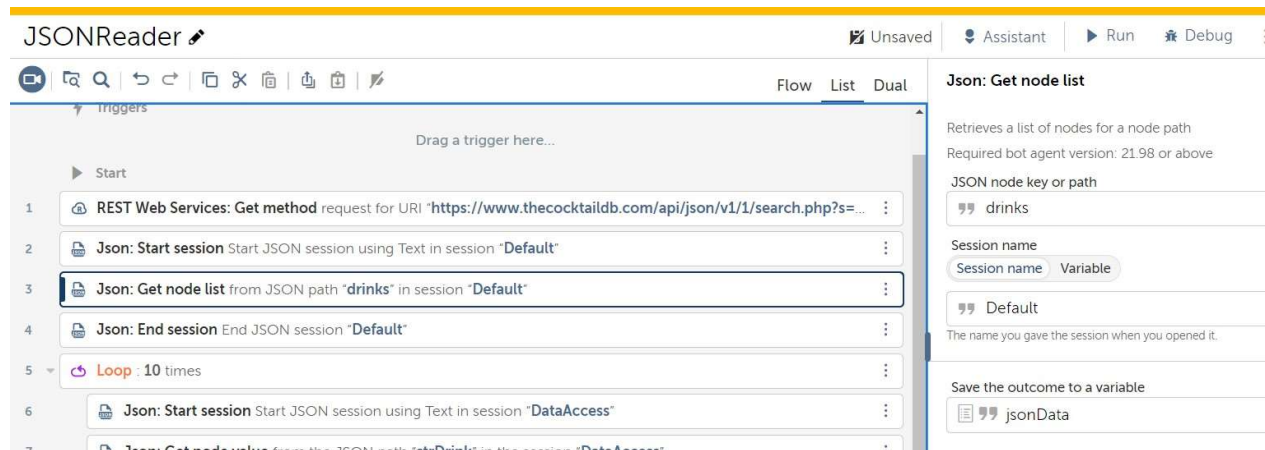
**Step 2:** Add Rest Web Service: GET method. Enter the URI.



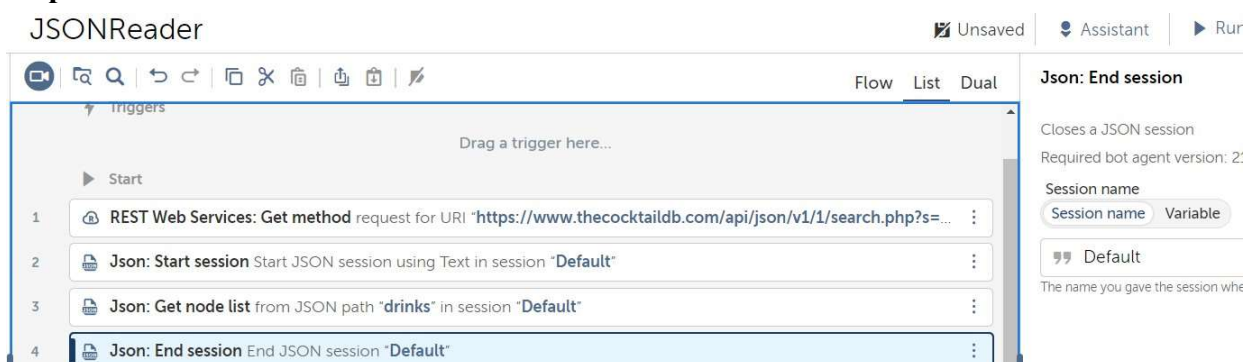
**Step 3:** Add JSON: Start Session and give the data source



**Step 4:** Add JSON: Get node list action to get the list and store it in a variable



**Step 5:** Add JSON: end session action



**Step 6: Include Loop action**

The screenshot shows the JSONReader application interface. The main workspace displays a workflow with the following steps:

- Start
- REST Web Services: Get method request for URI "https://www.thecocktaildb.com/api/json/v1/1/search.php?s=..."
- Json: Start session Start JSON session using Text in session "Default"
- Json: Get node list from JSON path "drinks" in session "Default"
- Json: End session End JSON session "Default"
- Loop: 10 times
- Json: Start session Start JSON session using Text in session "DataAccess"
- Json: Get node value from the JSON path "strDrink" in the session "DataAccess"
- Json: Get node value from the JSON path "strInstructions" in the session "DataAccess"
- # Number: To string convert \$Counter\$ to a string datatype and assign output to \$stringCounter\$
- Json: End session End JSON session "DataAccess"
- Message box "\$drink\$ - \$inst\$"
- End

The right sidebar shows the configuration for the selected "Loop" action:

- Loop Type: ☒ Iterator
- Loop: For n times
- Iterator for n times: times
- Value: # 10
- Assign the current value to: # Counter
- While: ☐ Condition

**Step 7: Add JSON: start session action again to start a session to iterator over the node list we got**

The screenshot shows the JSONReader application interface with the "Json: Start session" action selected. The main workspace displays the same workflow as in Step 6. The right sidebar shows the configuration for the selected "Json: Start session" action:

- Creates a new JSON session based on a JSON file or specified
- Required bot agent version: 21.98 or above
- Data Source: ☐ File, ☒ Variable, ☐ Control Room file, ☐ Desktop file
- Text: \$jsonData[\$Counter\$]
- JSON object session: ☒ Local session, ☐ Global session, ☐ Variable
- Local session name can only be used in this bot.
- Local session name: \$DataAccess

**Step 8: Add JSON:Get Node value to get the value**

The screenshot shows the JSONReader application interface. The main workspace displays a sequence of actions in a list view:

1. REST Web Services: Get method request for URI "https://www.thecocktaildb.com/api/json/v1/1/search.php?s=..."
2. Json: Start session Start JSON session using Text in session "Default"
3. Json: Get node list from JSON path "drinks" in session "Default"
4. Json: End session End JSON session "Default"
5. Loop: 10 times
6. Json: Start session Start JSON session using Text in session "DataAccess"
7. **Json: Get node value from the JSON path "strDrink" in the session "DataAccess"** (highlighted)
8. Json: Get node value from the JSON path "strInstructions" in the session "DataAccess"

The right-hand panel shows the configuration for the selected action, "Json: Get node value":

- Retrieves the node value in JSON
- Required bot agent version: 21.98 or above
- JSON node key or path: `strDrink`
- Session name: `DataAccess` (selected from the dropdown)
- Save the outcome to a variable: `drink`

**Step 9: Add JSON: end session action**

The screenshot shows the JSONReader application interface with the configuration for Step 9: Add JSON: end session action. The main workspace displays a sequence of actions in a list view:

1. REST Web Services: Get method request for URI "https://www.thecocktaildb.com/api/json/v1/1/search.php?s=m..."
2. Json: Start session Start JSON session using Text in session "Default"
3. Json: Get node list from JSON path "drinks" in session "Default"
4. Json: End session End JSON session "Default"
5. Loop: 10 times
6. Json: Start session Start JSON session using Text in session "DataAccess"
7. Json: Get node value from the JSON path "strDrink" in the session "DataAccess"
8. Json: Get node value from the JSON path "strInstructions" in the session "DataAccess"
9. **Json: End session End JSON session "DataAccess"** (highlighted)
10. Message box "StrDrink - StrInst"

The right-hand panel shows the configuration for the selected action, "Json: End session":

- Closes a JSON session
- Required bot agent version: 21
- Session name: `DataAccess` (selected from the dropdown)

**Step 10: Add Message box to display**

The screenshot shows the JSONReader application interface. The main workspace displays a workflow with the following steps:

- Start
- REST Web Services: Get method request for URI "https://www.thecocktaildb.com/api/json/v1/1/search.php?s=m..."
- Json: Start session Start JSON session using Text in session "Default"
- Json: Get node list from JSON path "drinks" in session "Default"
- Json: End session End JSON session "Default"
- Loop: 10 times
- Json: Start session Start JSON session using Text in session "DataAccess"
- Json: Get node value from the JSON path "strDrink" in the session "DataAccess"
- Json: Get node value from the JSON path "strInstructions" in the session "DataAccess"
- Json: End session End JSON session "DataAccess"
- Message box "\$drink\$ - \$inst\$"
- End

The right-hand pane shows the configuration for the "Message box" step:

- Inserts a message box to show a message when the task runs
- Required bot agent version: 20.11 or above
- Enter the message box window title: Automation Anywhere Enterprise Client
- Enter the message to display: \$drink\$ - \$inst\$
- Scrollbar after lines: 30
- ☐ Close message box after: Seconds

**Step 11: Save The Bot,click Run**

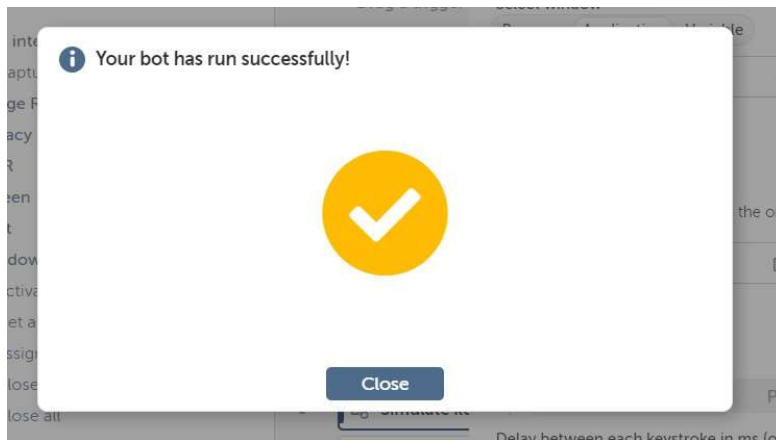
The top part of the image shows a dialog box titled "Deploying to your computer..." with a "Cancel" button.

The bottom part shows the "Automation Anywhere Enterprise Client" window. It displays a message from the bot:

**Message from bot**

Tommy's Margarita - Shake and strain into a chilled cocktail glass.

A "Close" button is visible at the bottom right of the message box.

**Conclusion:**

In this practical we successfully automated the task of Extraction the Data from a JSON file and reading it in the message box.