



# ACUA Webinar

**Audit-Bots: Revolutionizing Audits  
with RPA and Macros**

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# Audit-Bots:

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REVOLUTIONIZING AUDITS WITH RPA AND MACROS

# A G E N D A

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- What is RPA and Macros?
- Use Cases
- Key Risks
- Walkthroughs
- Future of RPA and Macros

# Polling Question #1

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Have you heard of RPA/Macros before?

- RPA
- Macros
- Both
- Neither

## WHAT IS RPA?

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Robotic process automation (RPA) is a software technology that allows you to build, deploy, and manage software robots that emulate human actions interacting with digital systems and software.

## WHAT ARE MACROS?

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A macro is an action or a set of actions that you can run as many times as you want (in Excel). When you create a macro, you are recording your mouse clicks and keystrokes.

# RPA/MACRO TOOLS

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UiPath



Excel





## USE CASES

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### *Formatting Reports*

Marcos can automatically format reports that are generated regularly

### *Sampling*

Macros can also perform a random sample on a set of data in Excel

### *Reconciliation*

RPA can automate account reconciliation processes, making it easier to detect and resolve inconsistencies

### *Workstep Automation*

RPA can automate simple audit steps that are preformed regularly

# Polling Question #2

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Which use case are you most excited about?

- Formatting reports
- Sampling data
- Reconciliation
- Work Step Automation

## KEY RISKS AND LIMITS

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### *Not Undoable*

Once a macro is executed, it cannot be undone

### *Can become outdated*

Macros/RPA have to be updated if the process changes

### *Verification of Results*

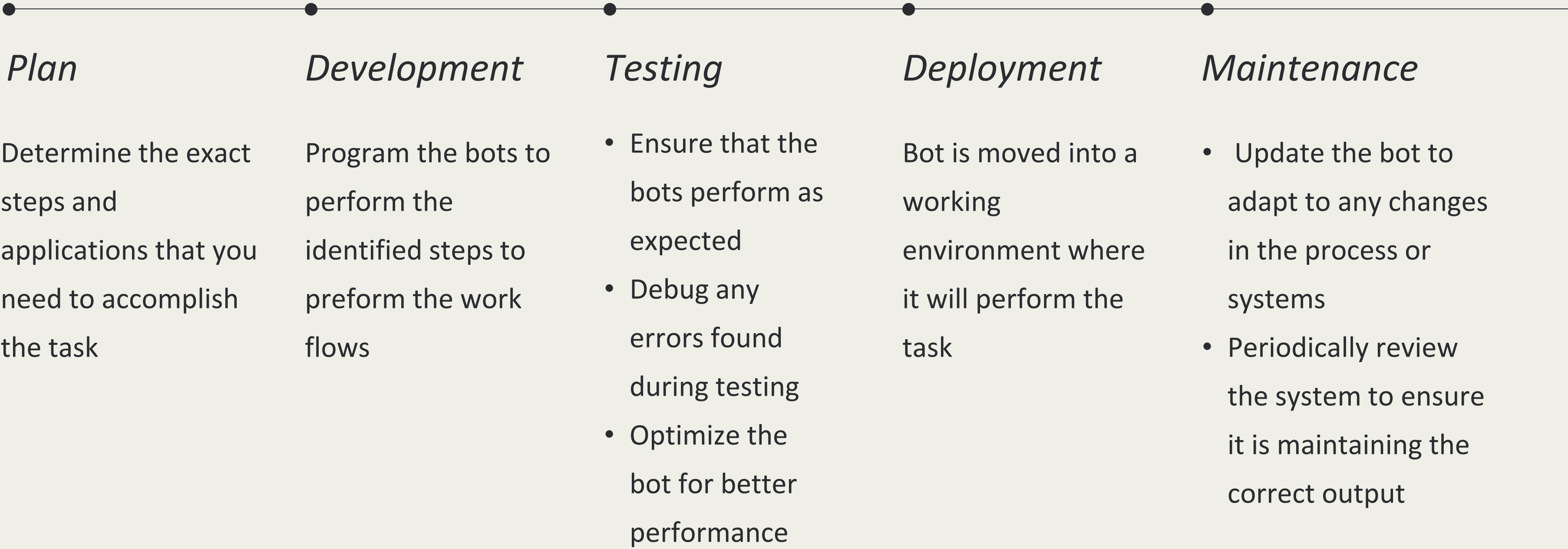
You may have to do it many times manually along with running the program to confirm it works correctly

### *Time consuming*

Building RPA can be time consuming even with new AI advancements to work out any bugs

# PHASES OF RPA CREATION

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# Demonstration

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## FUTURE OF RPA AND AI

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The next step is incorporating AI further into RPA for smarter automation using LLM or Agentic AI.

## WHAT IS LLM?

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A large language model (LLM) is a type of artificial intelligence (AI) program that can recognize and generate text, among other tasks

## WHAT IS AGENTIC AI?

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It combines new forms of artificial intelligence (AI) like large language models (LLMs), traditional AI such as machine learning, and enterprise automation to create autonomous AI agents that can analyze data, set goals, and take actions with decreasing human supervision



# DIFFERENCES BETWEEN LLM AND AGENTIC AI

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## Large Language Models (LLM)

- **Functionality:** They can answer questions, write essays, translate languages, and even generate creative content
- **Limitations:** They don't have personal experiences or emotions; they rely solely on patterns in the data they've been trained on

## Agentic AI

- **Decision-Making:** They use algorithms to make decisions and take actions to achieve specific objectives
  - **Interaction:** They often interact with their environment or other systems to accomplish tasks
  - **Learning and Adaptation:** Some agentic AIs have learning capabilities, allowing them to improve their performance over time. They can adapt to new situations by learning from past experiences
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# Polling Question #3

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Have you heard of Agentic AI?

- Yes
- No

# FUTURE OF RPA AND AI (CONT'D)

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## Google's Project Mariner

Project Mariner can understand and reason across everything on your browser screen, including pixels and web elements like text, code, images and forms

## UiPath Agentic Agent Builder

The agentic agent builder will also be putting AI in RPA that will allow LLM-based approaches to employ a multimodal LLM (understanding pictures, words, audio, etc.) to “read” a screen and take action

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## IS RPA OBSOLETE THEN?

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- It will be a team effort
  - Where agentic AI handles complex decision-making and RPA executes the resulting tasks efficiently
- International Data Corporation predicts RPA spending will more than double from 2024 to 2028 to reach \$8.2 billion

# Polling Question #4

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Do you think your institution will start to use RPA?

- Yes
- No

# Thank you!

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Contact me:

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Q&A

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# Announcements



Upcoming ACUA Webinars – Save the Date!

Month	Date & Time	Presenter	Topic
July 2025	7/24/25 – 1:00 PM EDT	Workiva	Tech Meets Talent in Internal Audit

Do you have an idea for a webinar? Contact the VLC director at [wshinsato@calstate.edu](mailto:wshinsato@calstate.edu)





# New Kick Starter Available!

## Student Organizations

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Download today in the members-only Audit Tools section of [www.ACUA.org](http://www.ACUA.org)





# Next Kick Starter Release is June 15<sup>th</sup>!

## University Vehicles

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Will be available in the members-only Audit Tools  
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