



Google Vertex AI Package

Readme

Version 1.0
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1. Introduction

This document contains all essential information for the user to make full use of this Automation 360 Package. It includes a description of the functions and capabilities and step-by-step procedures for setup & configuration of the Package.

1.1 Overview

With the Google Vertex AI Automation Anywhere package, you can automate tasks and processes like never before, using AI to generate and execute scripts, respond to customer inquiries, continue conversations just the way you would chat and more. Whether you're looking to save time and streamline operations, or improve customer experience and satisfaction, the Vertex AI Automation Anywhere package has you covered.

The package features a simple and intuitive interface that makes it easy to get started, even if you have no prior experience with AI.

1.2 Use cases

The Vertex AI Package from Automation Anywhere can be used by automation developers to bring cognitive capabilities to their builds. Use cases include:

- Generating insightful responses to customer/user inquiries
- Evaluating text to understand meaning, intent, and tone
- Generating code for developers to accelerate development and delivery times
- Continue conversations just the way you would chat
- Creating summarizations of content, writing scripts, news reports, or dialogue

2. Requirements & Prerequisites

2.1 System Requirements

[Automation 360 and Community Edition device requirements.](#)

Review the machine hardware specifications, operating system versions, and browser types supported by Automation Anywhere Enterprise for creating and running bots and command packages as an Automation 360 or Community Edition user on your local machine.

2.2 Prerequisites

Automation 360

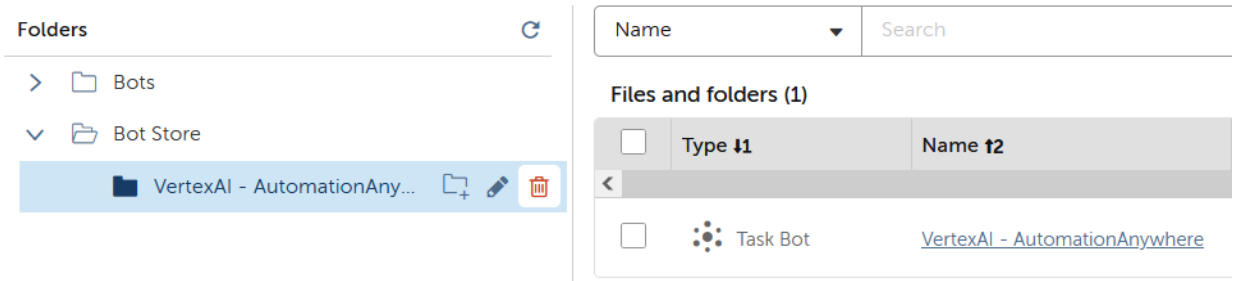
Windows Bot Runner

3. Getting Started

3.1 Quick Start

3.1.1 Setup

1. Install the package from Bot Store into your Control Room
2. Validate/Enable the package named **Google Vertex AI** has been installed and set as default.
 - a. It should install/enable itself upon install of the Bot Store package, but just triple check to be sure.
3. Sample bot will be available as shown here:



3.1.2 Configuration and Use

There are three actions that makes up this package:

1. **Google Vertex AI: Connect:** This action enables users to establish a connection with their GCP account. It supports two types of authentication:
 - a. **User Account:** To use this type of authentication, you will need the information for the following parameters:
 - i. Email Address
 - ii. Client ID
 - iii. Client secret
 - iv. Redirect URI
 - v. Session (Session is required as GCP OAuth token is passed via the session.)
 - b. **Service Account:** To use this type of authentication, you will need the information for the following parameters:
 - i. Service Account Key
 - ii. Session (Session is required as GCP OAuth token is passed via the session.)

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2. **Google Vertex AI: Prompt** - This action enables users to submit a plain text prompt and receive a response in a String variable type format. The prompt can be a question, a request, or a command – and will be addressed by the generative AI capabilities of Google Vertex neural network.
 - a. **Project Name:** This required field needs to be filled with your Project Name used in the Google Cloud Platform account with access to Vertex AI APIs.
 - b. **Prompt:** This is the question, request, or command you’re providing for the model to respond to. You may need to make slight adjustments to the language used in making your request to get the optimal result.
 - c. **Temperature:** The temperature is used for sampling during the response generation, which occurs when topP and topK are applied. Temperature controls the degree of randomness in token selection. Lower temperatures are good for prompts that require a more deterministic and less open-ended or creative response, while higher temperatures can lead to more diverse or creative results. A temperature of 0 is deterministic: the highest probability response is always selected. For most use cases, try starting with a temperature of 0.2.
 - d. **Max Token Output:** Maximum number of tokens that can be generated in the response. Specify a lower value for shorter responses and a higher value for longer responses.
 - e. **Session:** Session is required as GCP OAuth token is passed via the session.
 - f. **Vertex AI Returned Response text:** This output field comes in the form of a String, which will contain the response for the prompt sent earlier.
 3. **Google Vertex AI: Chat** - This action enables users to submit a plain text message and receive a response in a String variable type format. The message can be a question, a request, or a command – and will be addressed by the generative AI capabilities of Google Vertex neural network. You can continue the conversation by using the same session name in the subsequent prompts.
 - a. **Project Name:** This required field needs to be filled with your Project Name used in the Google Cloud Platform account with access to Vertex AI APIs.
 - b. **Message:** This is the question, request, or command you’re providing for the model to respond to. You may need to make slight adjustments to the language used in making your request to get the optimal result.
 - c. **Temperature:** The temperature is used for sampling during the response generation, which occurs when topP and topK are applied. Temperature controls the degree of randomness in token selection. Lower temperatures are good for prompts that require a more deterministic and less open-ended or creative response, while higher temperatures can lead to more diverse or creative results.

A temperature of 0 is deterministic: the highest probability response is always selected. For most use cases, try starting with a temperature of 0.2.

- d. **Max Token Output:** Maximum number of tokens that can be generated in the response. Specify a lower value for shorter responses and a higher value for longer responses.
- e. **Session:** Session is required as GCP OAuth token is passed via the session and to maintain the context between different Chat actions.
- f. **Vertex AI Returned Response text:** This output field comes in the form of a String, which will contain the response for the prompt sent earlier.

4. Support & FAQs

4.1 Support

Free packages are not officially supported through Automation Anywhere. You can get access to Community Support through the following channels:

- You can get access to Community Support, connecting with other Automation Anywhere customers and developers on our [Pathfinder Community](#)
- Automation Anywhere also provides a [Product Documentation portal](#) which can be accessed for more information about our products and guidance on [The Automation Success Platform](#).
- Additionally, the source code for most Automation Anywhere free bots is [included on our GitHub page](#).

4.2 FAQs

For questions relating to Automation 360: See the [Automation Anywhere FAQs](#).

Appendix A: Record of Changes

No.	Version Number	Date of Change	Author	Notes
1	1.0	05/31/2023	Arjun S Meda	Initial Google Vertex AI Package Release

Appendix B: References

No.	Topic	Reference Link
1	Overview of Automation 360	Click here
2	Guidance: Building basic Automation 360 bots	Click here
3	Guidance: Building Automation 360 packages	Click here
4	Pathfinder Community Forum	Click here
5	Automation Anywhere University	Click here