Globant Enterprise AI Lab
Introduction

Since April 2025 release

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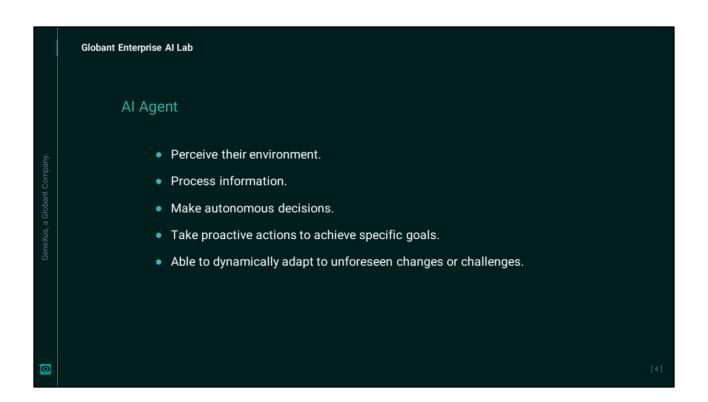
Globant Enterprise AI Lab is a platform specialized in simplifying the creation, configuration and management of Artificial Intelligence Agents, thus driving new ways of working with a vision for the future.
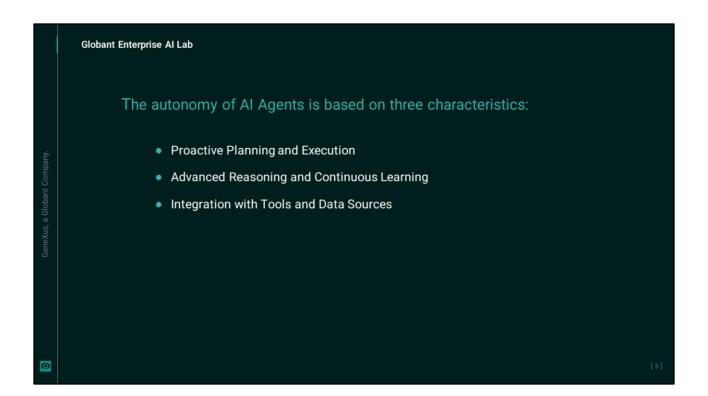
AI Agent

Is a system designed to execute specific tasks with some degree of autonomy.

What is an Artificial Intelligence Agent? It is a system designed to perform specific tasks with a certain degree of autonomy.

AI Agent

- Perceive their environment.
- Process information.
- Make autonomous decisions.
- Take proactive actions to achieve specific goals.
- Able to dynamically adapt to unforeseen changes or challenges.

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[4]

Unlike Large Language Models (LLMs), which respond primarily to specific instructions, AI Agents are designed to perceive their environment, process information, make autonomous decisions and act proactively to achieve specific goals.

In addition, they are able to adapt dynamically to unforeseen changes or challenges, continuously learning from their experiences.
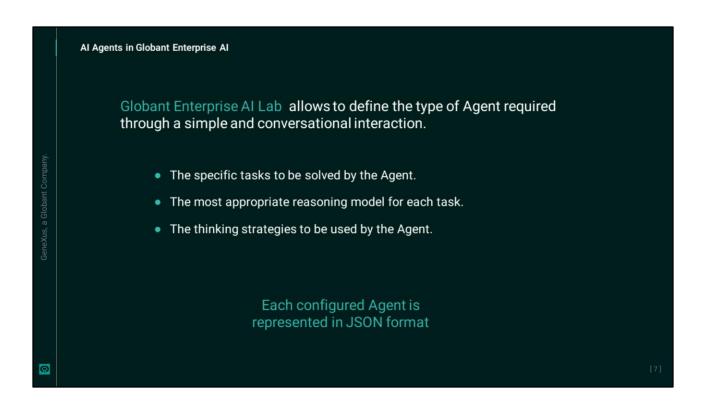
The autonomy of AI Agents is based on three characteristics:

- Proactive Planning and Execution
- Advanced Reasoning and Continuous Learning
- Integration with Tools and Data Sources

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[5]

The autonomy of AI Agents is based on three fundamental characteristics:

- The first is Proactive Planning and Execution: Agents set clear objectives and plan how to achieve them, breaking down complex tasks into simpler steps, anticipating obstacles and adjusting their approach in real time.
- Another feature is Advanced Reasoning and Continuous Learning: They use sophisticated reasoning strategies to analyze situations, draw conclusions and decide on the most effective actions. They incorporate different types of memory that allow them to learn from previous experiences, generalize knowledge and continuously improve their performance.
- And the third feature is Integration with Tools and Data Sources: AI agents integrate effectively with external tools, APIs and various data sources, enabling them to access and process information from multiple systems and environments, and extending their practical reach.
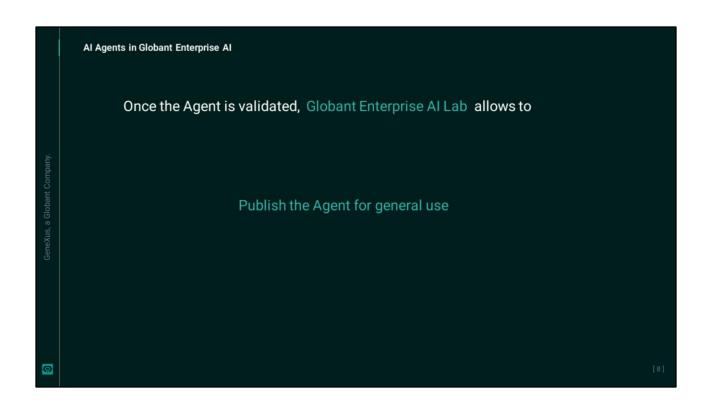
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AI Agents in Globant Enterprise AI

Globant Enterprise AI Lab allows us to define the type of Agent required through a simple and conversational interaction.

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- The specific tasks to be solved by the Agent.
- The most appropriate reasoning model for each task.
- The thinking strategies to be used by the Agent.

Each configured Agent is
represented in JSON format

We can configure:
- The specific tasks to be solved by the Agent.
- The most appropriate reasoning model for each task.
- The thinking strategies to be used by the Agent.

Each configured Agent is represented in JSON format, which facilitates its evaluation and direct testing on the platform.

Once the Agent is validated, Globant Enterprise AI Lab allows to

Publish the Agent for general use

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[8]

Once created and validated, Globant Enterprise AI Lab also allows the Agent to be published for widespread use, integrating it into automated business processes and workflows that require human interaction.

Globant Enterprise AI Lab

It is possible to effectively combine automated tasks performed by autonomous agents with those activities carried out by people, creating agile, collaborative and future-oriented work dynamics.

[9]

In this way, it is possible to efficiently combine automated tasks performed by autonomous Agents with those activities performed by individuals, creating agile, collaborative and future-oriented work dynamics.