Introducing Qiskit Code Assistant

Unlock Performance by Qiskit

A new assistant for writing quantum code is now available as Preview exclusively for IBM Quantum™ Premium Plan users.

Qiskit Code Assistant combines the power of sophisticated IBM® watsonx™ LLMs with the collective wisdom of Qiskit community users to accelerate code development. By combining advanced AI-powered capabilities with an intuitive interface, Qiskit Code Assistant streamlines the quantum coding process, enabling developers to create more efficient Qiskit code no matter their quantum programming skill level.

Key Features

With quantum-code generation capabilities, Qiskit Code Assistant provides intelligent code suggestions, and optimization insights.

1. Accelerates Qiskit code generation by leveraging generative AI based on the granite-8b-qiskit model.
2. Allows abstract and specific prompts to generate recommendations.
3. Presents suggestions that you can review, accept, or reject.
4. Supports Python code and Jupyter notebook files.
5. Integrates with popular development environments like Visual Studio Code (VS Code) and JupyterLab so that you can easily access it via your preferred user interface.
6. Includes guardrails to avoid answering questions that represent a potential risk for users, such as hateful speech.

Get Started Today!

Activate the game-changing Qiskit Code Assistant now and unlock the power of IBM® watsonx™ LLMs by following our straightforward installation instructions, designed to get you up and running in no time.

1. Install or upgrade to the latest version of Qiskit 1.x
2. Install the Jupyter Lab extension or Install the VS Code extension based on your preference
3. For a comprehensive review of the technical features and implementation, refer to the Docs page
4. To learn more, check our latest blog on Qiskit Code Assistant

Share Your Feedback

We look forward to your valuable insights as we strive to refine and enhance the Qiskit Code Assistant to better serve your users. For guidance and feedback please reach out to your dedicated IBM Quantum team and/or the Technical Support Team quantumsupport@ibm.com .