



The one-stop platform
for the **quantum ecosystem**

ORNL Quantum Systems & Software Workshop



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Meet qBraid

1 qBraid is a **quantum computing orchestrator**

qBraid hosts **20+** quantum computers, CPUs, and GPUs on the cloud, with **21k+ users** having run **200k+ jobs**.

2 qBraid is a **quantum software integrator**

qBraid's proprietary **runtime** effortlessly bridges **15+** QC software frameworks across modalities, an industry first.

3 qBraid is a **quantum research innovator**

Our researchers have been cited **4,000+ times**, and have deep experience in returning business value from science.

Find your **quantum edge**

Hardware-Focused Products

qBraid | **LAB** ›

Easier **quantum software development** in a cloud IDE designed for quantum.

qBraid | **SDK** ›

Multimodal and multi-framework support for **diverse devices and software packages**.

qBraid | **RUNTIME** ›

End-to-end **quantum device access** with **20+ quantum backends** accessible and included.

Community-Focused Products

qBraid | **qBOOK** ›

Instructor-approved **course builder and publisher** with widgets, inbuilt kernels, and LaTeX support.

qBraid | **HAQS** ›

Battle-tested **hackathon platform** empowering student creation and learning in quantum and beyond.



Accessible and powerful.



Jupyter integrated.
vSCode/Cursor compatible.



Github connected.
Repo bridge support.



AWS powered.
Azure incoming.



Gen AI included.
LLM-powered code dev.



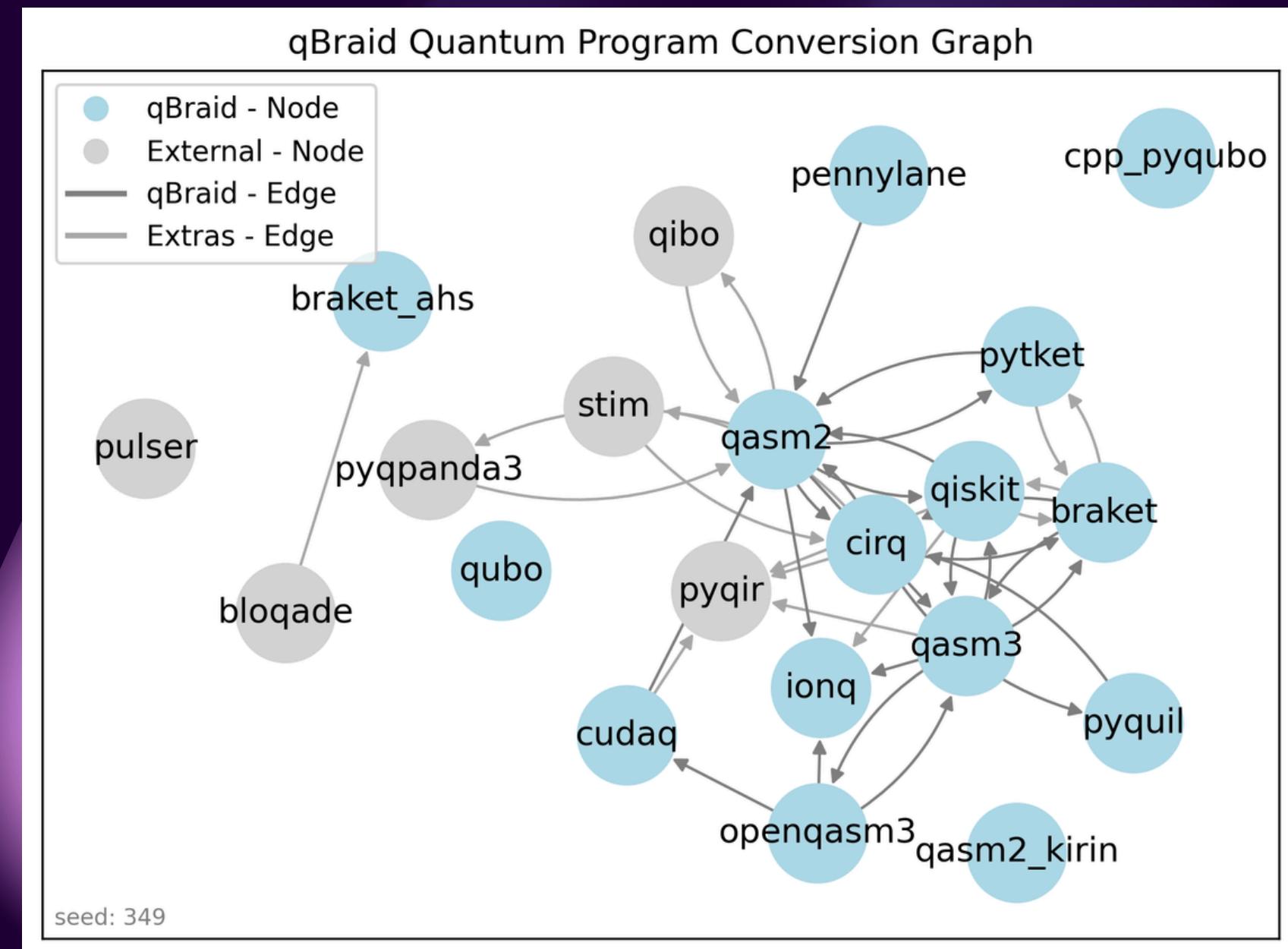
Sharing supported.
Seamless collaboration.



CUDA-Q provided.
GPU connections.

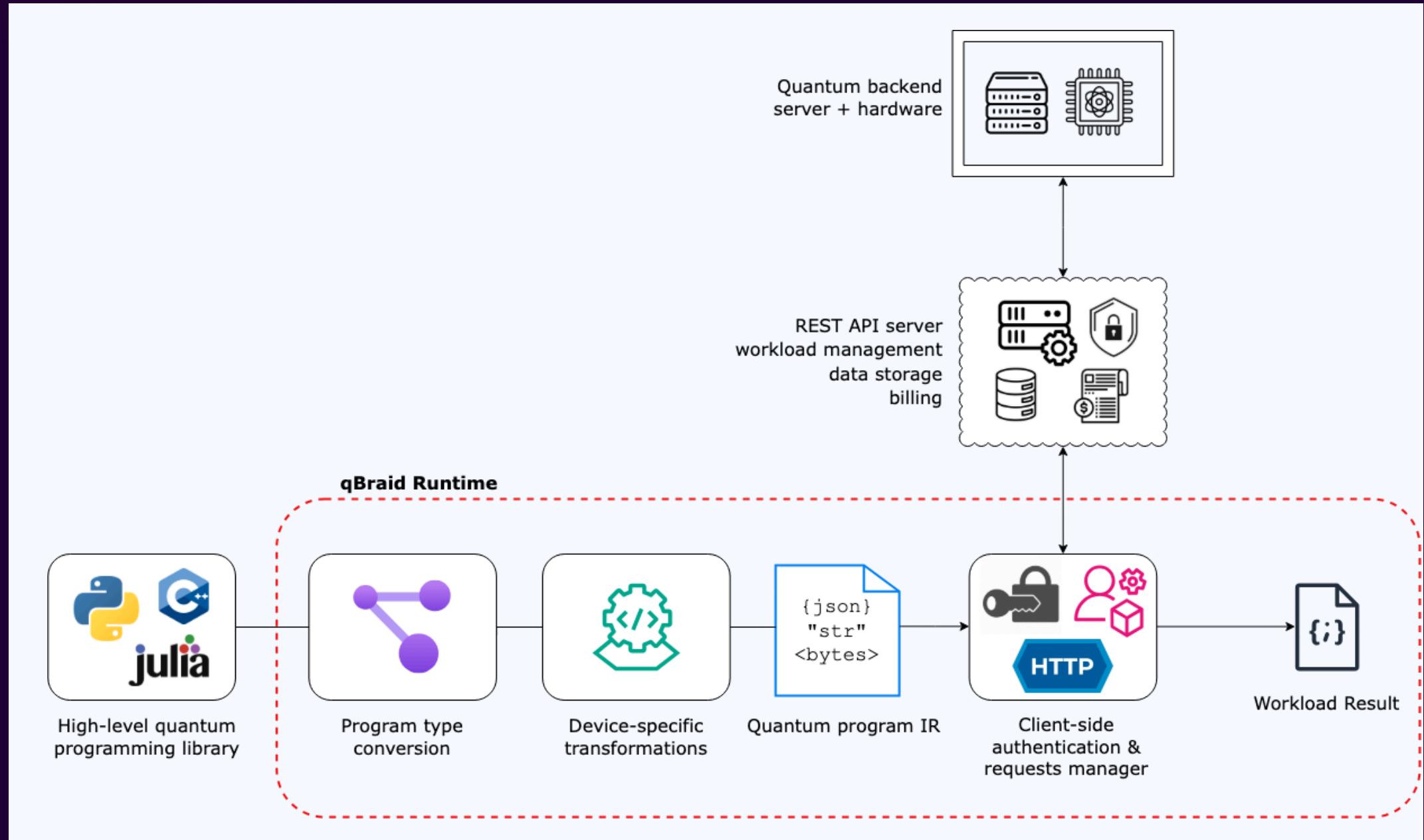
qBraid | SDK

The world's most **comprehensive** transpiler.



qBraid | RUNTIME >

Last-mile delivery for quantum computing.



Connect quantum hardware to our **managed API service** both **on-prem** and **through the cloud**.

Manage **user access**, collect **device usage metrics**, and **deploy new software effortlessly**.

Reach users **where they are**—
managed environments provide
deep flexibility.



Powering *Enterprise Workflows*

```
>>> from qbraid import get_devices  
>>> get_devices()  
Device status updated 0 minutes ago
```

Device ID

Device ID	Status
ab_emu_1Q_lescanne_2020	ONLINE
aws_ionq_aria2	OFFLINE
aws_rigetti_aspen_m3	ONLINE
ibm_q_brisbane	ONLINE
...	

Status

Simplified, unified access to quantum resources that are **enterprise ready**.

Quantum API for global dev

Quantum Jobs

Get Jobs

Create a Job

Single API for QPU Access, GPU Access, and job management

CUDA-Q • C++ Compatible



Fastest Setup of CUDA-Q and Intel Quantum SDK on the market

Local Setup



Extension integration for VSCode, Windsurf and more.

Python Compatible



Write code in familiar frameworks and target any hardware.



Ready-made, customizable quantum computing courses.

A screenshot of a computer interface, likely a web browser or a specialized software window, showing a graph. The graph features a light gray grid and displays two overlapping bell-shaped curves in a dark red/pink color. The curves are centered on the grid, with their peaks aligned horizontally. The interface has a dark purple header bar with standard window controls (minimize, maximize, close) and a white main area containing the graph.

The following is the code for running a very simple quantum program, which you will understand fully in the course (you will have to sign in in order to run the code).



Grow your quantum ecosystem.

Experience

Support

Growth

Exposure

Give students **real-world problem solving**,
24/7 support in quantum computing,
mentorship and advice,
and **access to career opportunities**.



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Visit us!

www.qbraid.com



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