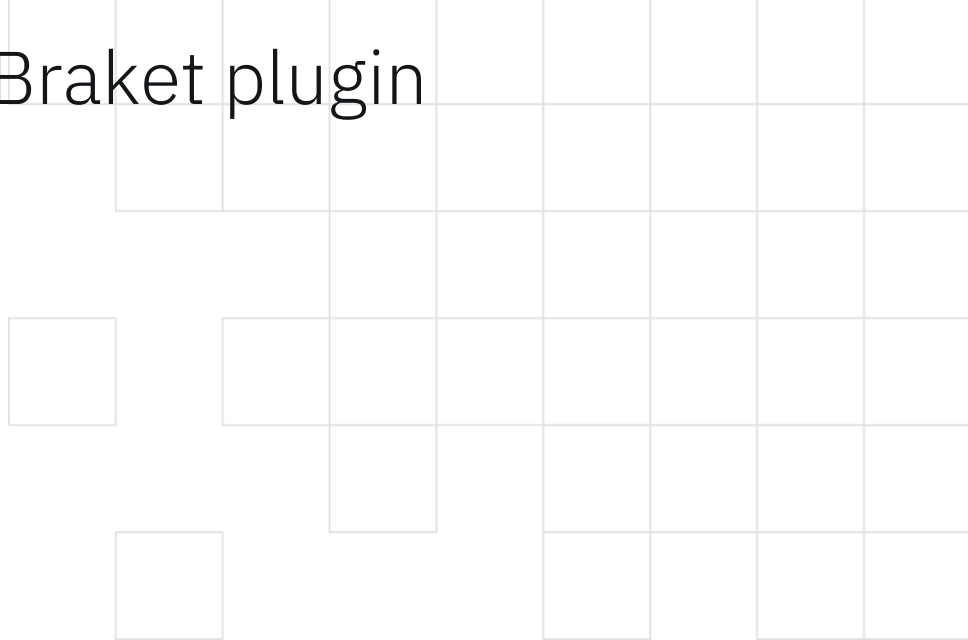


QAMP spring 2022 | Qiskit-Braket plugin

David Morcuende, Iskandar Sitdikov

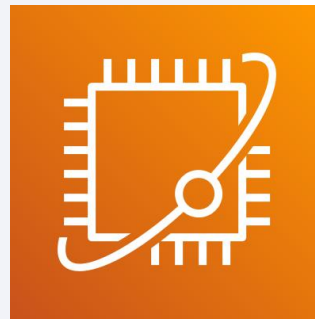


AWS Braket



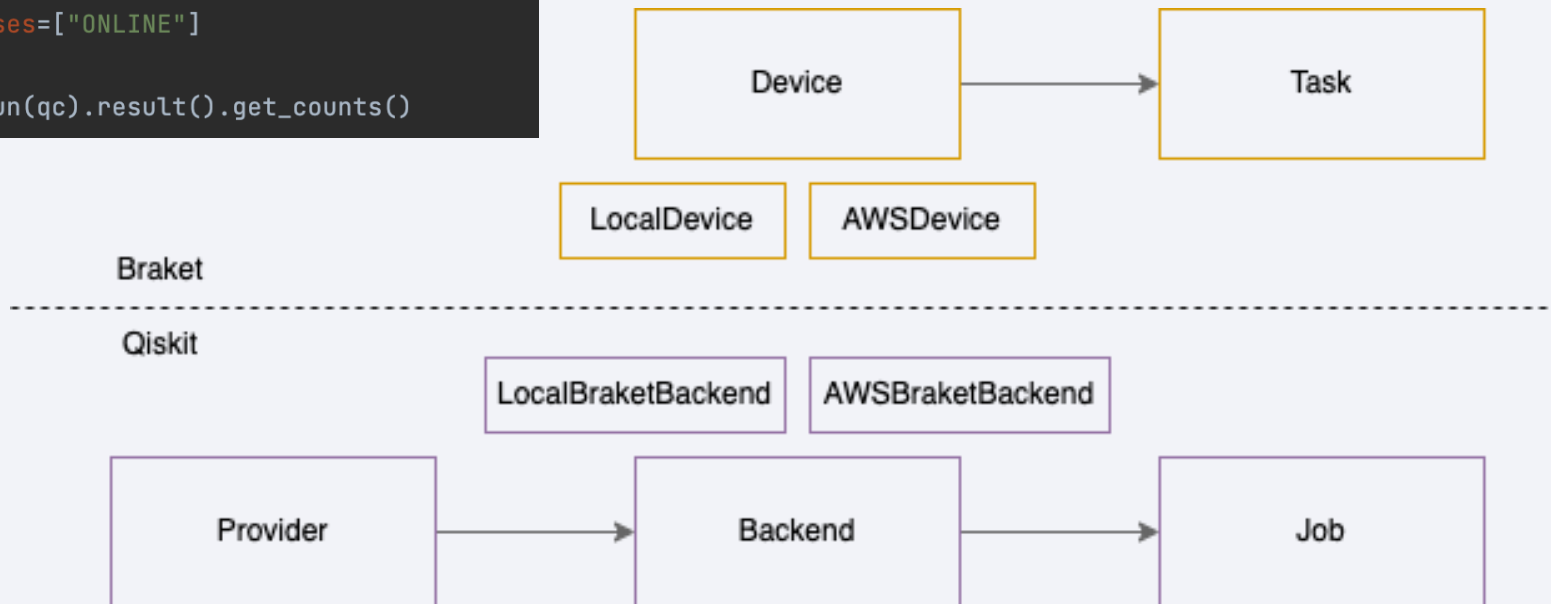
Amazon Braket is a fully managed quantum computing service designed to help speed up scientific research and software development for quantum computing.

Amazon Braket provides AWS customers access to quantum computing technologies from multiple quantum hardware providers, including gate-based quantum computers and quantum annealing systems. Learn more about these quantum hardware providers below.



Qiskit-Braket plugin overview

```
backend = AWSBraketProvider().backends(  
    name="Rigetti",  
    statuses=["ONLINE"]  
)[0]  
backend.run(qc).result().get_counts()
```

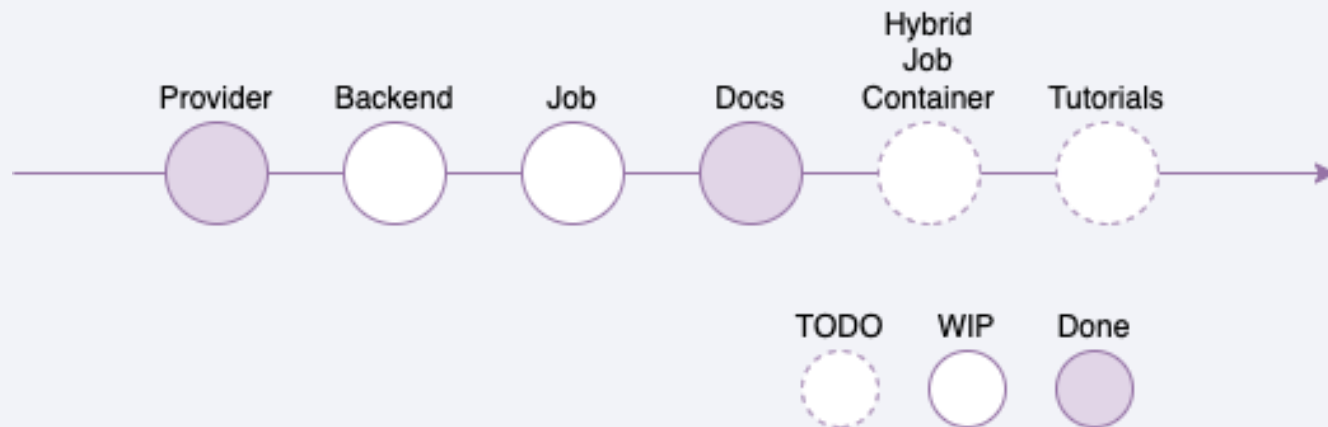


QAMP tasks



- CI: publish to PyPi and Dockerhub on release** enhancement help wanted
#6 opened on Mar 3 by IceKhan13
- Documentation: sphinx docs on github pages** documentation enhancement help wanted
#5 by IceKhan13 was closed 29 minutes ago
- Docs: how-to guide for Qiskit Hybrid Job** documentation enhancement help wanted
#4 opened on Feb 22 by IceKhan13
- Docs: how-to guide for Qiskit-Braket plugin** documentation enhancement help wanted
#3 opened on Feb 22 by IceKhan13
- Implement a Qiskit container for Hybrid Jobs** enhancement help wanted
#2 opened on Feb 22 by IceKhan13
- Plugin sourcecode to use Qiskit Terra with Braket** enhancement help wanted
#1 opened on Feb 22 by IceKhan13

QAMP progress



Links



<https://github.com/qiskit-community/qiskit-braket-plugin>

<https://aws.amazon.com/braket/>