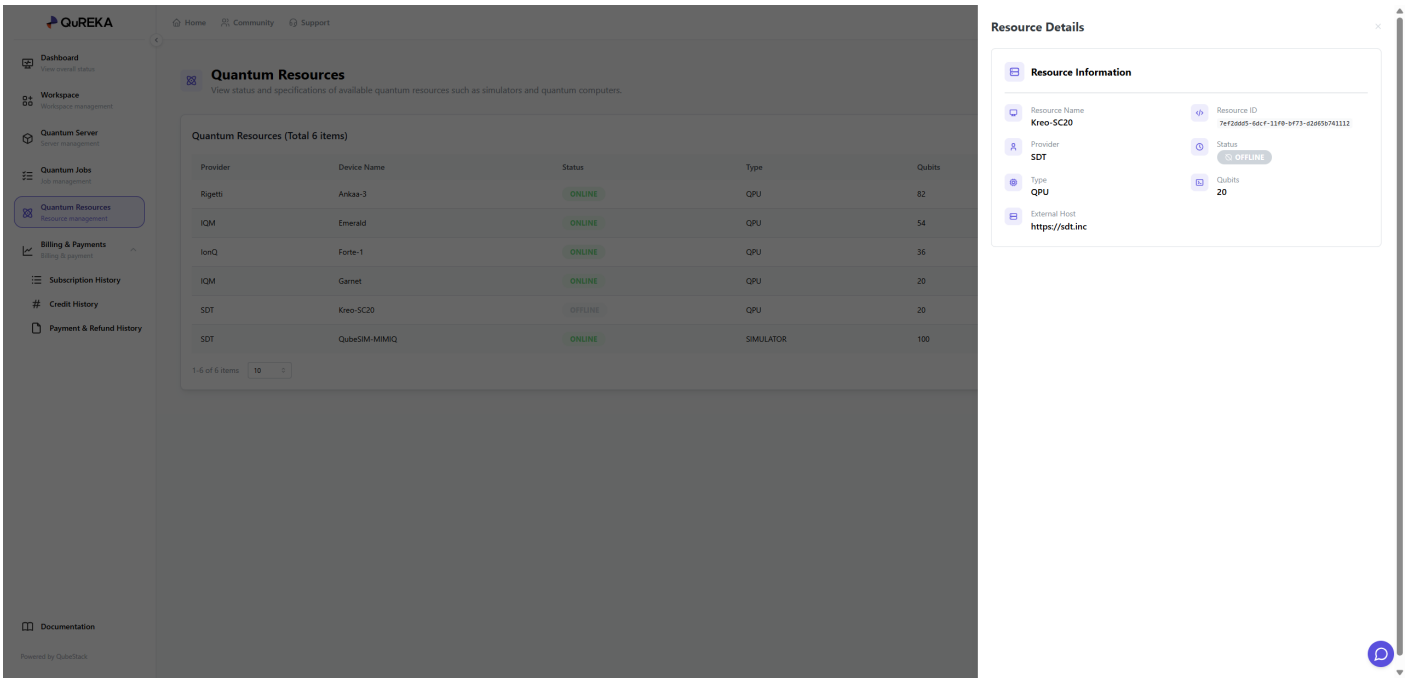
# Quantum Resources

The Quantum Resources page is where you can check the real-time status and detailed specifications of various quantum computers (QPUs) and simulators provided by QuREKA, as well as manage access permissions for each member.




# 1. Quantum Resources List

Key information for all currently available quantum resources is displayed in a list format:

- **Provider**: The supplier providing the quantum resources (e.g., Rigetti, IQM, IonQ, SDT, etc.).
- **Device Name**: The unique name of the specific device.
- **Status**: Indicates the current connection status of the resource.
  - **ONLINE**: The resource is in a normal state, allowing for job submission and execution.
  - **OFFLINE**: The resource is currently unavailable due to maintenance or other reasons.
- **Type**: Distinguishes the type of resource.
  - **QPU**: Actual quantum hardware that performs computations using physical quantum elements.
  - **SIMULATOR**: A virtual execution environment that uses high-performance computing (HPC) resources to mathematically calculate the results of quantum algorithms instead of using an actual quantum computer.

- **Qubits**: The total number of qubits available on the device.
- **Permission**: Shows the current access permission status set for the resource.

# 2. Resource Management

Administrators (Admins) can directly control the resource access permissions visible to workspace members. These can be configured via the More ( ⋮ ) icon on the right side of the list:

- **Admin Only**: Only users with administrator privileges can view the resource and submit jobs.
- **User Accessible**: General workspace members can also view the resource in the list and use it to execute their jobs.

# 3. Resource Details

By clicking on a specific resource, a details panel appears on the right where you can find more in-depth technical information:

- **Resource ID**: A unique ID used to identify the resource within the system.
- **Status**: Provides a detailed view of the resource's current operational status.
- **External Host**: Information regarding the external address where the resource is hosted.

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