Introducing Orquestra™, the Quantum Platform by Zapata
Compose quantum workflows and execute them across the full range of quantum technologies

1. **Compose**
   - Build quantum-classical workflows from a library of modules.

   **Software Components:**
   - Orquestra™ Command Line Interface
   - VSCode extension

2. **Conduct**
   - Submit workflows with our command line tool and Orquestra™ Quantum Engine (OQE) will execute tasks and manage data across the appropriate quantum or classical hardware, on premise or in the cloud.

   **Deployment**
   - Zapata Cloud
   - Your Cloud
   - On Premise (2020)

   **Quantum Technologies**
   - Quantum-inspired Classical
   - Quantum Annealers
   - Quantum Simulators
   - Gate Model Quantum Hardware

   **Orquestra™-Compatible Quantum Algorithms and Software Libraries**
   - Qiskit (IBM)
   - Cirq (Google)
   - Forest (Rigetti)
   - pyAQASM (Atos)
   - PennyLane (Xanadu - 2020)
   - Q# (Microsoft - 2020)

   **Software Component:**
   - OQE Server

3. **Record**
   - Results are packaged in a database for direct use or further analysis.

   **Software Component:**
   - Orquestra™ Data Correlation Server

**With Orquestra™ you can:**
- Author workflows in the YAML compatible Zapata Quantum Workflow Language (ZQWL)
- Work in Microsoft VSCode using custom composer extensions
- Submit to Zapata servers with command line tool
- Eliminate library lock-in -- open-source wrappers and circuit translators enable you to mix and match your favorite algorithms from existing quantum libraries
- Deploy to any Kubernetes Cluster
- Run in Orquestra™ Quantum Engine (OQE) hosted in Zapata's cloud, your cloud, or on premise in your datacenter
- Connect to all leading quantum technologies: simulators, quantum inspired classical, annealing & gate model
- Access curated results via a Mongo database
- Enjoy your favorite analysis tools such as Excel, Jupyter, or Tableau

**Organizations use Orquestra™ in two ways:**
- Zapata builds you custom software that runs on the platform.
- Zapata trains your team to develop your own solutions using Orquestra's robust suite of tools.

To request a demo or an invitation to our private beta, contact info@zapatacomputing.com