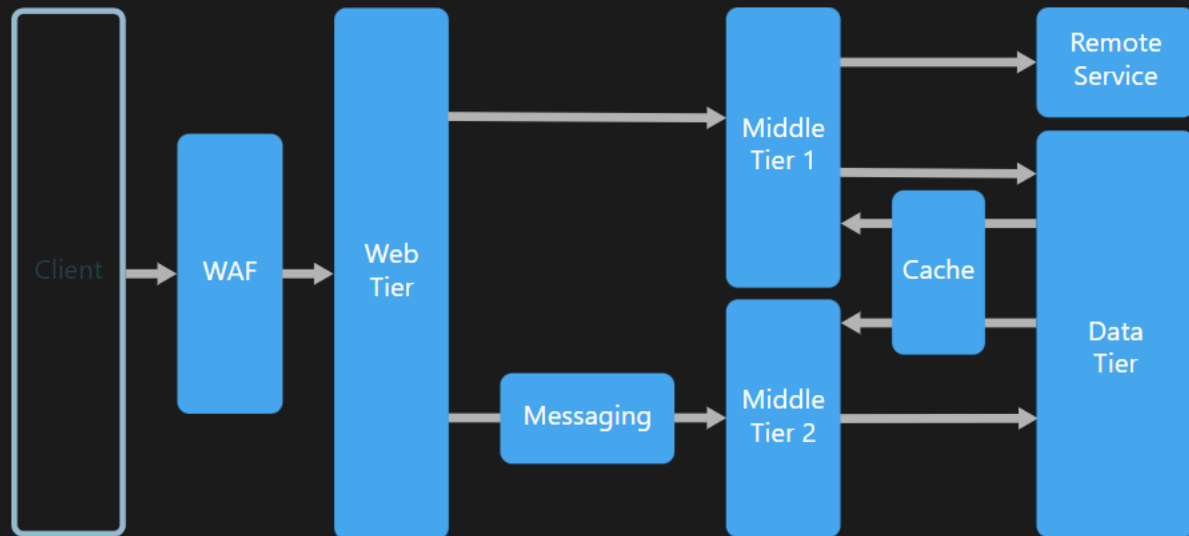
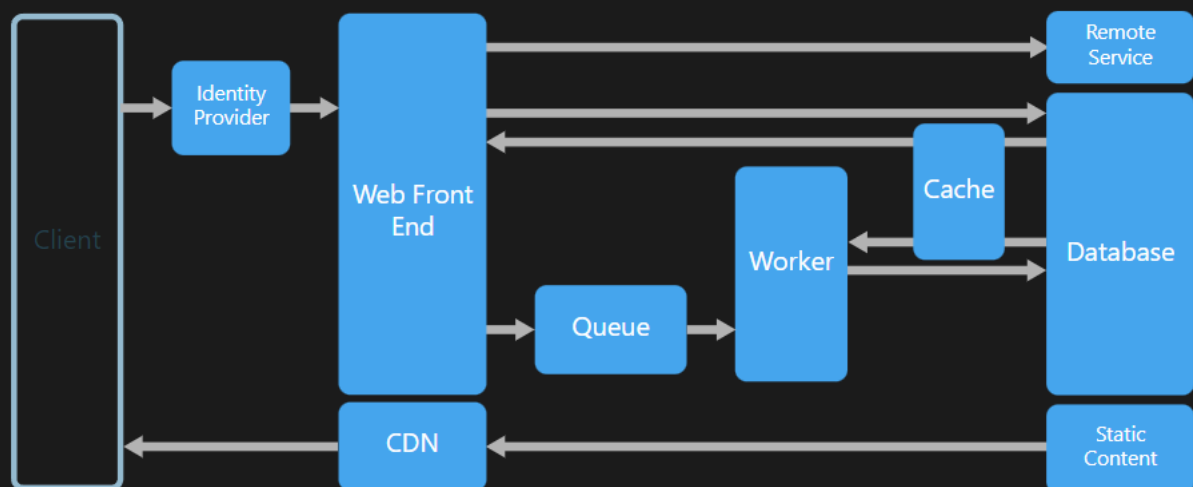


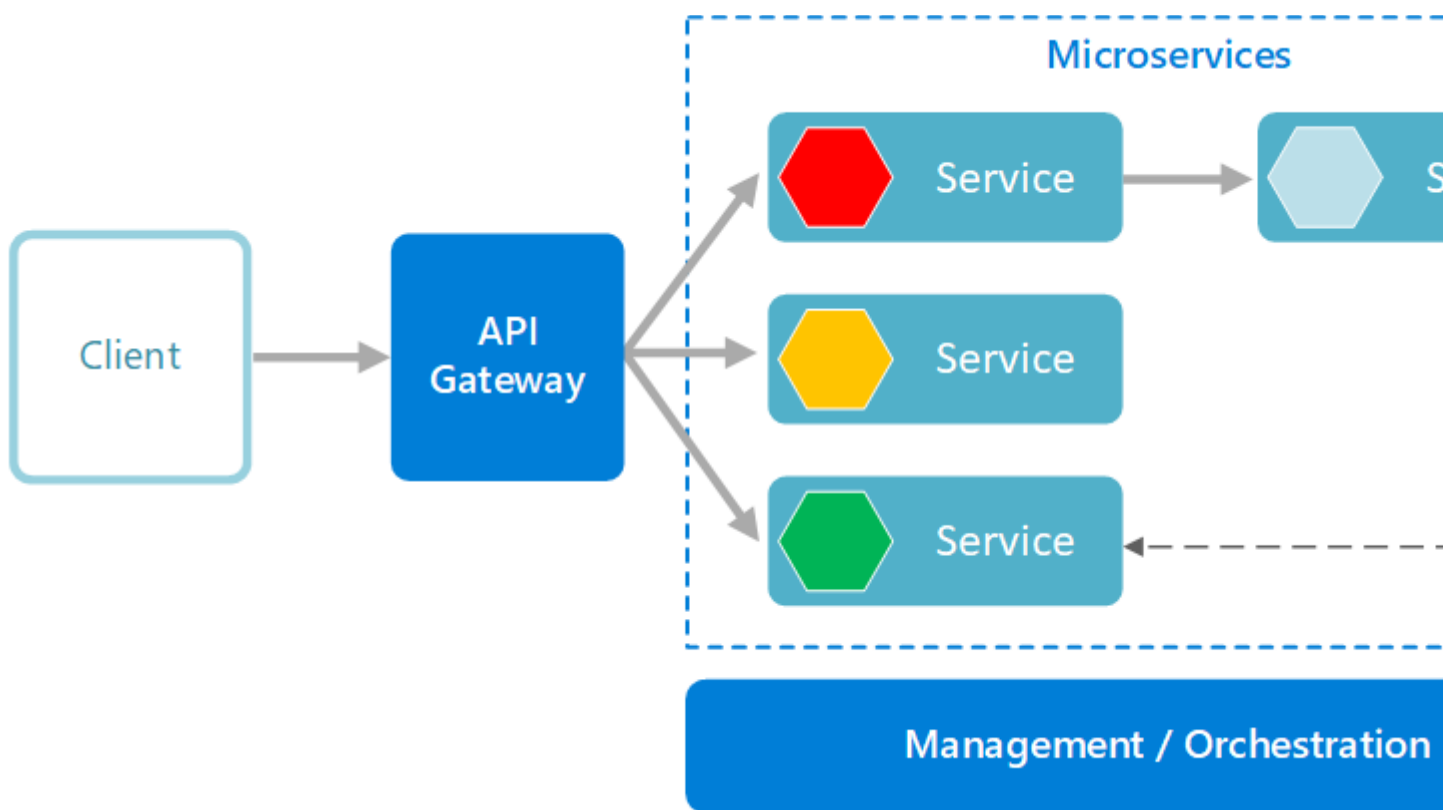
N-tier



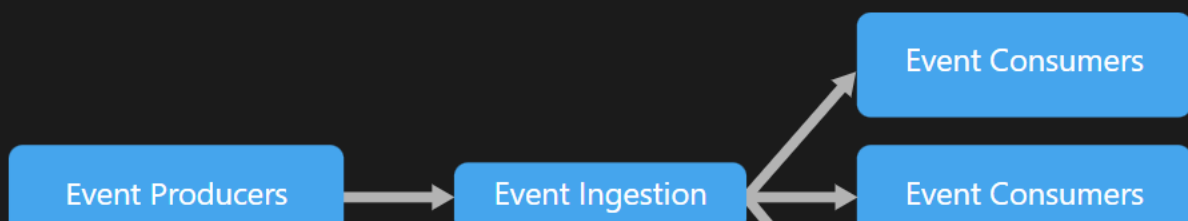
Web-Queue-Worker



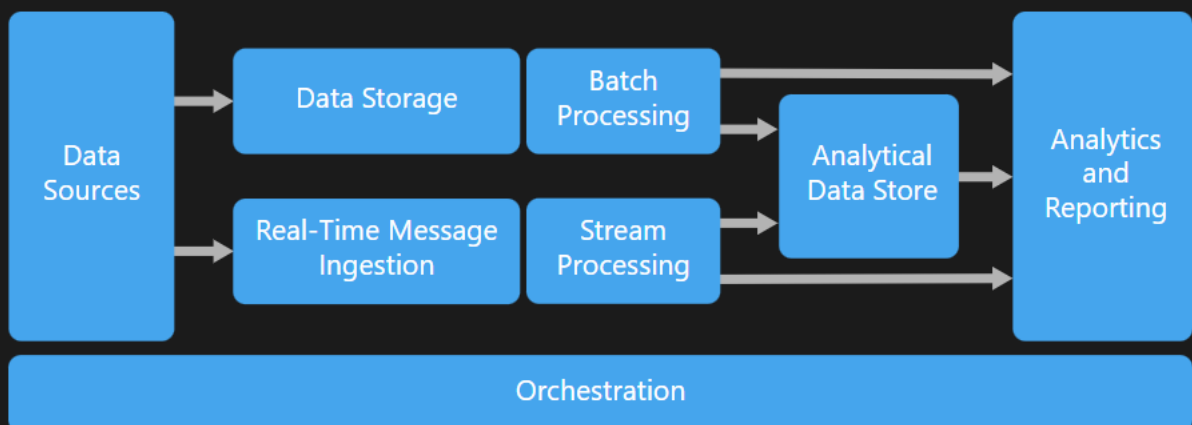
For a purely PaaS solution, consider a **Web-Queue-Worker** architecture. In this style, the application has a web front end that handles HTTP requests and a back-end worker that performs CPU-intensive tasks or long-running operations. The front end communicates to the worker through an asynchronous message queue.



Event-driven architecture



Big Data, Big Compute



Big Data and **Big Compute** are specialized architecture styles for workloads that fit certain specific profiles. Big data divides a very large dataset into chunks, performing parallel processing across the entire set, for analysis and reporting. Big compute, also called high-performance computing (HPC), makes parallel computations across a large number (thousands) of cores. Domains include simulations, modeling, and 3-D rendering.

Big Compute (Azure only and on-premise with Azure for burst capacity)

