Businesses use blockchain to digitize workflows they share with other organizations, such as moving physical assets across supply chains. The anatomy of blockchain apps is similar across use cases. Here, we use Azure Blockchain Service as the foundational managed blockchain network and build a consortium application that can ingest signals from relevant user interfaces and communicate ledger data to consuming apps across the consortium.

1. Relevant apps, devices, and data sources send events or data to a message broker (Azure Service Bus).
2. The distributed ledger technology (DLT) consumer Logic App fetches the data from the Service Bus and sends to transaction builder which builds and signs the transaction.
3. The signed transaction gets routed to Azure Blockchain Service (fully managed Ethereum consortium network) via a ledger-specific Logic App connector.
4. The DLT watcher Logic App gets confirmation of the transaction commitment to the blockchain and sends the confirmed blockchain transactions to off-chain databases and storage.
5. Information is analyzed and visualized using tools such as Power BI by connecting to off-chain database (Azure SQL Database).
6. Message broker sends ledger data to consuming business process applications.