

What do customers need from an industrial application platform?

The advantages of adopting a platform strategy for Industrial Internet of Things (IIoT) initiatives are well understood. General cloud service providers offer infrastructure as a service (IaaS) compute, storage, and other system services, leaving it to the customer to integrate and manage these generic services while also building their own IIoT support services and applications.

Predix Platform is a purpose-built IIoT application platform as-a-service (PaaS), including an integrated infrastructure layer as well as IIoT-optimized services such as data management, analytics, and machine learning. Predix Platform customers can leverage this complete platform to speed app development, produce timely results, and simplify operational management.

Predix Platform value includes

Connectivity

Secure connectivity from assets to edge, and from edge to cloud. Support for OT protocols, harsh industrial environments, and bi-directional communications across edge/cloud.

Interoperability

Services are designed to interoperate within the platform. Service orchestration and automation provided across infrastructure and platform services. This provides guardrails for application developers and owners.

Data management

Designed to support scalable, extensible industrial use cases. Data pipeline includes data ingestion, filtering, and tag mapping across multiple data types (e.g. time series, images, SQL etc).

Security

Defense-in-depth across every layer of the platform. Authentication, authorization, user management, end-to-end tenancy, data privacy, and other services help reduce risks associated with applications.

