

IBM CLOUD SERVICE

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IBM Watson IoT Platform:

The IBM Cloud® platform combines platform as a service (PaaS) with infrastructure as a service (IaaS) to provide an integrated experience. The platform scales and supports both small development teams and organizations, and large enterprise businesses. Globally deployed across data centers around the world, the solution you build on IBM Cloud® spins up fast and performs reliably in a tested and supported environment.

IBM Watson IoT Platform connects devices, ingests device data and transforms that data into meaningful insights. Watson IoT Platform and its additional add on services enable Clients to capture data for devices, equipment, and machines, to explore this data, and to discover insights on this data that drive better decision making. Watson IoT Platform provides a pre-integrated foundation for industry solution and Client applications built on IoT data. IBM Watson IoT Platform is made up of three fundamental services: Connection Service, Analytics Service, and Block chain Service. All three services have a nonproduction package for proofs of concept and pilot work, as well as a production package for full production deployment.

IBM Cloud offers the most open and secure public cloud for business with a next-generation hybrid cloud platform, advanced data and AI capabilities, and deep enterprise expertise across 20 industries. Solutions are available depending on your needs for working in the public cloud, on-premises, or a combination:

- With public cloud, the resources are made available to you over the public internet. It is a multi-tenant environment, and resources like hardware and infrastructure are managed by IBM®.
- A hybrid cloud solution is a combination of public and private, giving you the flexibility to move workloads between the two based on your business and technological needs. IBM uses Red Hat OpenShift on IBM Cloud, the market-leading hybrid cloud container platform for hybrid solutions that enables you to build once and deploy anywhere. With IBM Cloud Satellite, you can create a hybrid environment that brings the scalability and on-demand flexibility of public cloud services to the applications and data that runs in your secure private cloud.
- Support for multicloud and hybrid multicloud solutions is also available, which makes it easy for you to work with different vendors. IBM Cloud Paks are software products for hybrid clouds that enable you to develop apps once and deploy them anywhere.
- Virtual Private Cloud (VPC) is available as a public cloud service that lets you establish your own private cloud-like computing environment on shared public cloud infrastructure. With VPC, enterprises can define and control a virtual network that is logically isolated from all other public cloud tenants, creating a private, secure place on the public cloud.

IBM Watson IoT Platform Connection Service capabilities include:

- Connection of a wide spectrum of IoT devices
- IoT device registration and management
- User Registration, setup, and authentication
- Ability to create alerts
- Security with TLS authentication support, access control group for devices & gateways
- Data Lifecycle Management
- Solution administration for deployment and device groupings

Additionally:

- Analytics Service enable to enrich, augment and interact with rawdata
- Block chain Service enable to connect with Block chain enabled networks

