



Predix Private Cloud from GE Digital

Optimize your assets, operations, and business securely with on-premises IIoT implementation

Improve industrial assets' performance by utilizing IIoT platform and applications on-premises

Outcomes

PPC provides you the ability to monitor, manage, and optimize your industrial assets and operations on-premises. With PPC, you can:

- Optimize the performance of assets by utilizing asset performance management solutions
- Analyze and provide prescriptive outcomes by running artificial intelligence and machine learning on big data
- Connect and manage edge devices and edge data
- Ingest and store edge device and asset data in a secure environment
- Build custom applications and analytics using native services for niche outcomes
- Scale hardware and software footprint to meet future business growth

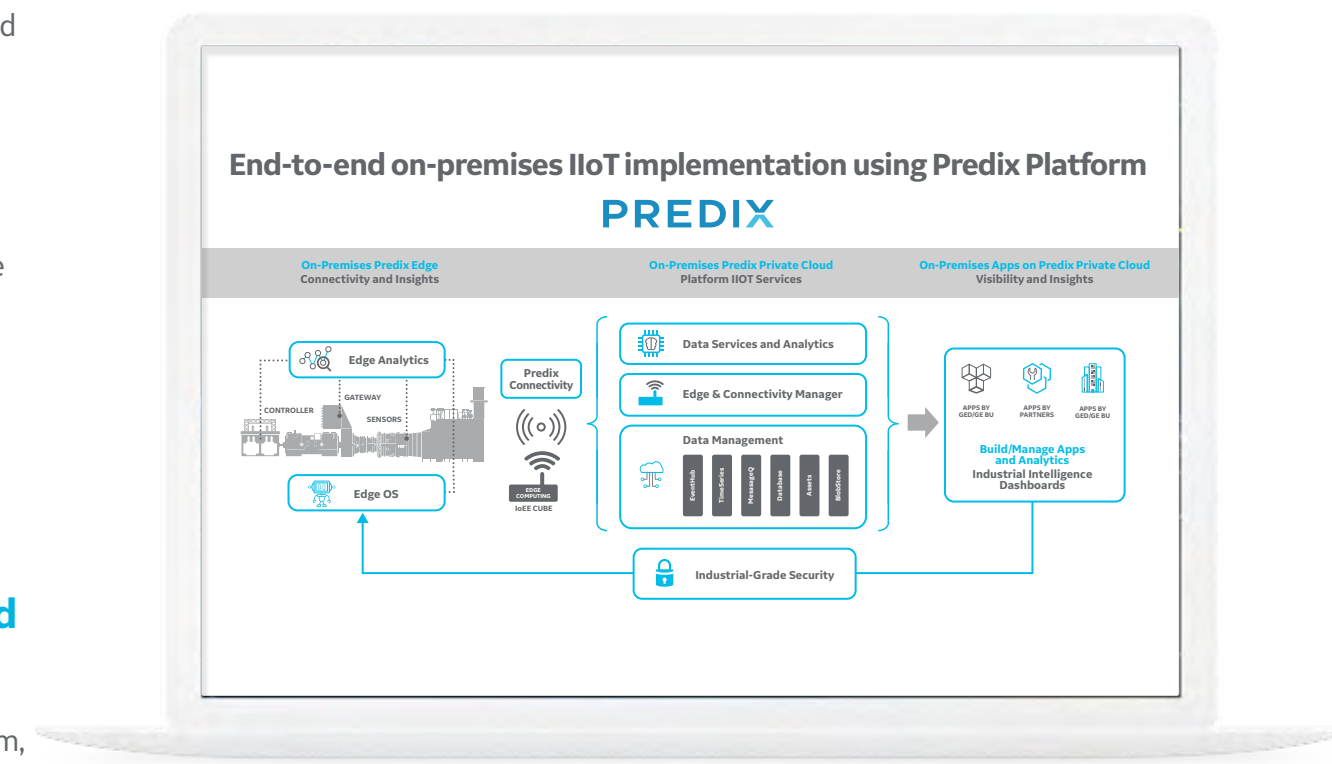
Predix Private Cloud (PPC) is secure, scalable, and hyper converged on-premises Predix Platform deployment at a customer's data center or site. PPC is best suited for customers who demand the capabilities of a Predix public cloud but want the privacy, security, data sovereignty, and data isolation that can only be provided by a private cloud infrastructure. PPC allows asset connectivity, edge device management and control, analytics, machine learning, and big data processing for asset optimization needs. PPC allows customers to build, manage, and deploy industrial applications, built by partners, customers, and GE Digital—like Predix Asset Performance Management.

01 Adhere to regulatory restrictions and guarantee data sovereignty

Leverage Predix Private Cloud's inbuilt "all-in-depth" data, platform, and app security controls. PPC offers self-contained secure environment for your assets and operational data. When you are dealing with sensitive and critical data in your industry like defense, healthcare, or oil and gas, PPC ensures your data stays within your data center and regional or country boundaries for processing. PPC provides you the highest level of security for your intellectual property and protects your data by utilizing sensitive data protection controls.

02 Manage, run, build, and extend apps for asset performance optimization

PPC allows hosting and running pre-built asset performance management applications to monitor the performance, health, and reliability of your industrial assets. Users can build application extensions



for asset monitoring operations and analytical needs that are not standard utilizing native services of the platform. Custom applications can also be built utilizing the availability of the native services on-premise.

03 Scale to meet business needs with high availability and performance

PPC empowers you with complete control of your private cloud environment. You can define development, extension, and deployment of your applications. You can also define the scale of your hardware and software based on your business needs by starting with a small footprint and scaling up as needs increase. High availability and performance levels remain consistent as PPC scales up.





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Features

PPC is a hyper-converged platform that enables you to monitor, manage, and optimize industrial assets and operations utilizing multiple security protocols. Hyperconvergence combines storage, computing, and networking that utilizes virtualized computing, networking, and software defined storage into a cohesive pooled system to increase scalability and reduce deployment complexity. PPC can scale up as business needs grow by adding more computing, storage, and networking capabilities. Automation and orchestration are built into deployment of the various services that are required for running big data analytics and applications on PPC. High availability, multiple redundancy, and performance are built into all layers of PPC.

Benefits

- PPC allows you to grow capacity as your IIoT data growth requires
 - Hyper-converged with single SKU for both storage and compute hardware.
 - Highly scalable: Supports scaling from as small as 6 physical servers up to a maximum of 2000 servers
- PPC is highly available
 - All components/interconnect are fully redundant within a rack. Design can support multiple servers across multiple racks for higher level of failover protection
 - PPC is vendor agnostic: Storage, network, virtualization/containers components are software defined and can run in any x86 hardware
- PPC is fully automated
 - PPC allows automated installation, configuration, and management of all infrastructure components at the push of a button



Predix Private Cloud – Multiple server rack with GE Digital software and certified vendor hardware.

About GE

GE (NYSE: GE) is the world's Digital Industrial Company, transforming industry with software-defined machines and solutions that are connected, responsive and predictive. GE is organized around a global exchange of knowledge, the "GE Store," through which each business shares and accesses the same technology, markets, structure and intellect. Each invention further fuels innovation and application across our industrial sectors. With people, services, technology and scale, GE delivers better outcomes for customers by speaking the language of industry.

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