

GI.cloud

Adaptive and Scalable Platform
for High Performance Edge
Computing Services

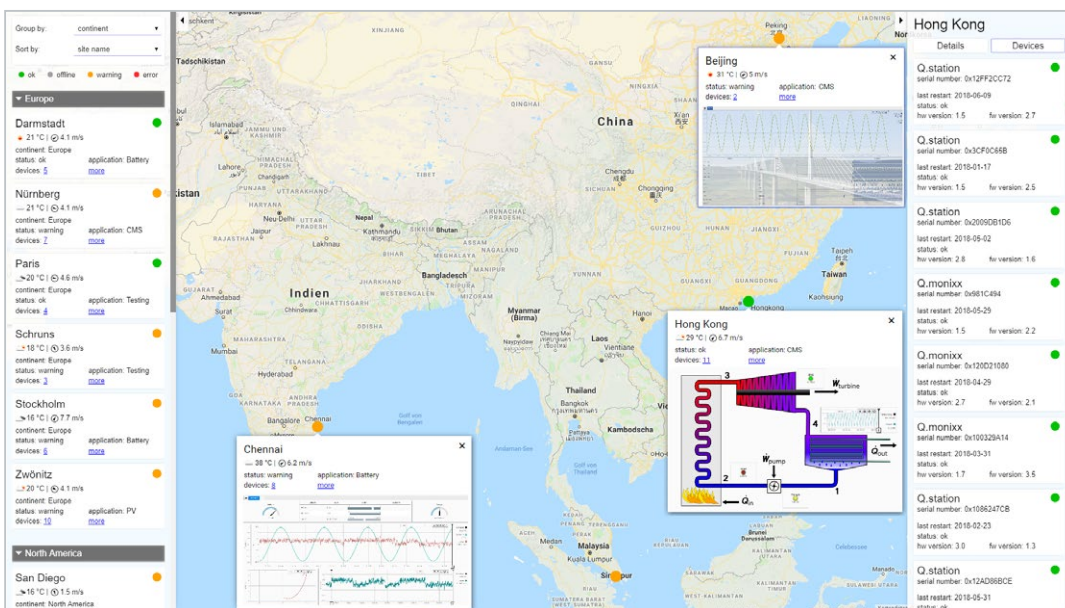


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Adaptive and Scalable Platform for High Performance Edge Computing Services

Substantial demand for high performance edge computing in a growing market

The future brings more distributed and adaptive monitoring and control applications. This change also requires better and faster utilization of data streams. Reliable and distributed data acquisition and exploitation is mandatory. This challenge opens business scenarios for a variety of new services. Technology and market designers understand the need for powerful cloud and edge computing in combination with adaptable high resolution measurement down to micro-seconds (μ s).



GI.cloud cockpit

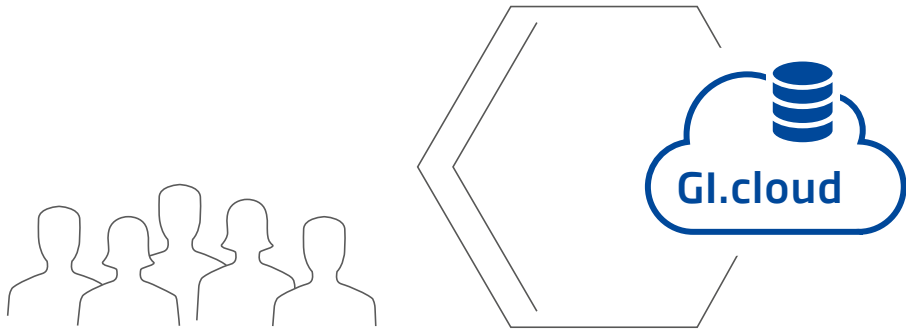
Flexible architecture to meet needs of asset managers and testing organization with proven technology

GI.cloud integrates high resolution measuring, high performance big data analytics and easy data accessibility. The innovative platform combines Gantner's proven edge-type monitoring and control units, an adaptive cloud system and a comprehensive user interface and applications with State of the art APIs.

The flexible configuration of GI.cloud does not only allow customers to build the systems exactly to their needs but also protects their investment: once the powerful edge and scalable cloud modules are installed, together with customizable service plug-ins they will allow to meet higher demands in the future.

Cloud Benefits

- **Seamless combination** of Gantner's edge computing devices with cloud platform solutions (microservices)
- Customisable **user interfaces** with easy Plug-In and feature add-on
- Create your own **dashboard for visualisation**
- APIs designed **for fast integration** into customers platform and data access
- Efficient **time series data processing** (down to micro-seconds) due to scalable platform
- Clustered **hot / cold data storage** for minimum running cost
- **Unlimited data storage** on the device or based on a scalable data stream processing platform (granularity: micro-second to minutes)
- **Continuous integration** of GI.bench services and configurations to cloud level
- Available platforms: cloud, appliance or desktop



Distributed Streaming Platform and Database

- Scalable
- Clustered

User Interface

- Charts, tables, cockpit, dashboard, data export, reporting
- Device & User management, 2-way control

Analytics

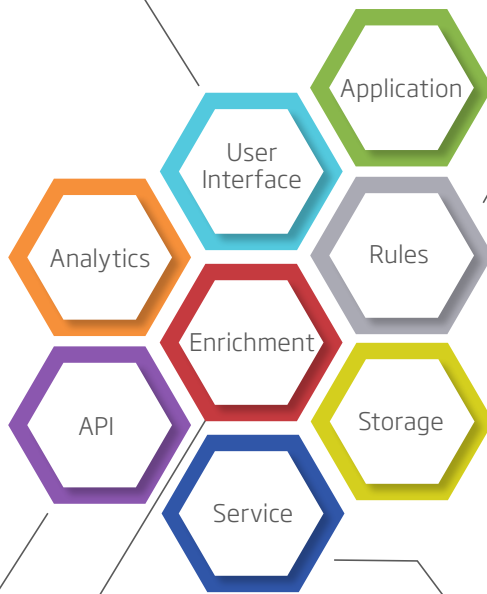
- Specific calculations
- KPIs
- Stream processing
- Meta data
- 3rd party plug-ins

API

- Access to data streams (Binary, REST, GQL API)
- 3rd party integration

Enrichment

- Aggregation
- Event based processing,
- 3rd party clients / Plug-Ins
- Specific and replayable enrichment



Applications

- Designed for testing, aerospace, asset monitoring, industries, condition monitoring, energy control

Rules

- Execution based on different event sources
- Configuration via UI or script, link to AI

Storage

- Real time buffer, distributed streaming platform or database storage available
- Live & historical data access with hot/cold data handling
- Executes backup services

Service

- Provides communication, configuration, data acquisition, authentication service and host all Gantner PlugIns



With GI.cloud our customers are "future - proof" as they are versatile to adapt to increased data acquisition speed, data management and analytics requirements.

For further information and use cases see www.gi-cloud.io

Note: some services limited to edge computing device type, project setup and environment

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