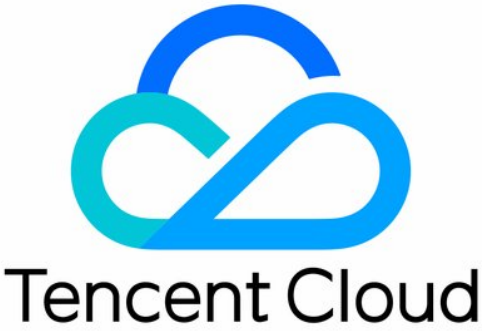
Tencent Cloud Weiling

Product Introduction

Product Documentation



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Product Introduction
Overview

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Tencent Cloud Weiling Overview

Tencent Cloud Weiling is an IoT building operating system well adapted to smart building scenarios. For resources in buildings, such as hardware devices and applications, it provides connection, management, and digital operations services that empower buildings with comprehensive and collaborative smart capabilities. It also offers a secure, efficient, and convenient integrated building management and operation system to building admins, operators, and proprietors. It assists with the digital and smart transformation of the real estate sector, improves the operational efficiency and service quality of buildings, and creates a brand new service model and user experience.

Strengths

High linkage flexibility

Tencent Cloud Weiling allows you to configure diverse building linkage rules based on your actual business needs.

Comprehensive monitoring

Tencent Cloud Weiling can monitor devices, applications, users, and scenarios in buildings in a unified manner and thereby eliminate user blind spots.

Diverse IoT capabilities

- Hardware: Tencent Cloud Weiling supports different quick connection methods such as SDK, MQTT, smart gateway, and soft gateway.
- Application: Tencent Cloud Weiling supports the data connection, permission connection, and hardware control protocols in various industries.
- Service: Tencent Cloud Weiling supports API connection services.

Digital space

Tencent Cloud Weiling digitizes buildings, floors, device spots, and space mappings, transforming buildings into smart spaces, where a rich set of standard space capabilities and services can derive.

Smart building

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Tencent Cloud Weiling integrates diverse AI algorithms to implement smart building response and decision making.

Continuous upgrade

Tencent Cloud Weiling supports continuous cloud-based upgrade and hardware/software separation. It allows the separated uninstallation and upgrade of all software and hardware services as components in buildings so as to implement the high-quality and flexible replacement of building services.

Smart operations and management

- Tencent Cloud Weiling enhances the correlation between systems and solves the problem of business system isolation, which improves the efficiency of building operations and reduces the operating costs.
- Tencent Cloud Weiling provides data support for building operations and helps buildings get smarter by collecting and leveraging business data.
- Tencent Cloud Weiling helps locate problems with smart monitoring, which shortens the response time and accelerates troubleshooting.

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Features

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IoT Capabilities

Tencent Cloud Weiling provides software, hardware, service, and AI access in buildings and supports the modular deployment and automatic upgrade of hardware, software, and services by breaking the traditional software-hardware binding logic. It empowers its own capabilities to buildings in a flexible and standardized way and collaborates with application service providers to create different types of building solutions, so that building services can be continuously upgraded.

Building Management

Tencent Cloud Weiling creates a central management platform for buildings. It breaks through the original isolated relationships in the 5A system and manages devices, applications, and data centrally, thus implementing the central monitoring and management of user permissions, application entries, and data.

Building Operations

Tencent Cloud Weiling provides spatial data display and event-driven working modes and combines space with big data analysis capabilities to create perceptive buildings that can respond and make decisions intelligently.

Building Configuration

Tencent Cloud Weiling breaks the traditional building logic, so that you can customize cross-system linkage events to link devices, data, and applications in buildings for interactions. After simple configurations in the console, you can deliver the linkage logic and make it take effect in minutes, which meets your project's requirements for cross-system linkage features.

Smart Building

With the accumulation and interconnection of various data in buildings, Tencent Cloud Weiling can continuously optimize data algorithms and models to realize self-learning and continuous evolution of the building.

Digital Space

Tencent Cloud Weiling builds data space mappings for buildings. It can create a digital twin of a building based on the devices, applications, services, and data in the building in the unified space dimension, use various terminals as data entries, and make the space the platform for data storage and sharing. In this way, it forms a data ecosystem where spaces, terminals, and data can continuously empower each other and enables buildings to evolve into smart spaces that can derive a wealth of standard space capabilities and services.

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Use Cases

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Linkage Configuration

- Tencent Cloud Weiling enables you to flexibly configure linkages between devices and data in buildings and deliver the linkage logic and make it take effect in minutes.
- For example, for mail delivery robots, you can flexibly and independently configure relevant services such as camera following, access control, and elevator assignment at positions in their track linkages according to your business needs.

Smart Operations

Tencent Cloud Weiling helps you build an event-driven OPS linkage system to improve the efficiency and reduce the labor costs.

Centralized Management

Tencent Cloud Weiling transforms the original chimney system relationships of your enterprise, builds a matrix structure, and realizes the unified monitoring and management of multiple business systems (such as lighting and power consumption management systems), services, devices, and users.

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