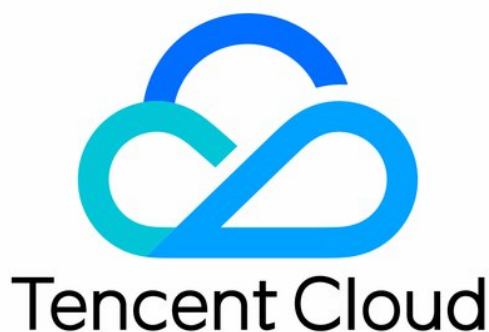


Digital and Intelligent Medical Imaging Platform Product Introduction Product Documentation



Copyright Notice

©2013-2025 Tencent Cloud. All rights reserved.

Copyright in this document is exclusively owned by Tencent Cloud. You must not reproduce, modify, copy or distribute in any way, in whole or in part, the contents of this document without Tencent Cloud's the prior written consent.

Trademark Notice



All trademarks associated with Tencent Cloud and its services are owned by Tencent Cloud Computing (Beijing) Company Limited and its affiliated companies. Trademarks of third parties referred to in this document are owned by their respective proprietors.

Service Statement

This document is intended to provide users with general information about Tencent Cloud's products and services only and does not form part of Tencent Cloud's terms and conditions. Tencent Cloud's products or services are subject to change. Specific products and services and the standards applicable to them are exclusively provided for in Tencent Cloud's applicable terms and conditions.

Contents

Product Introduction

Overview

Strengths

Use Cases

Product Introduction

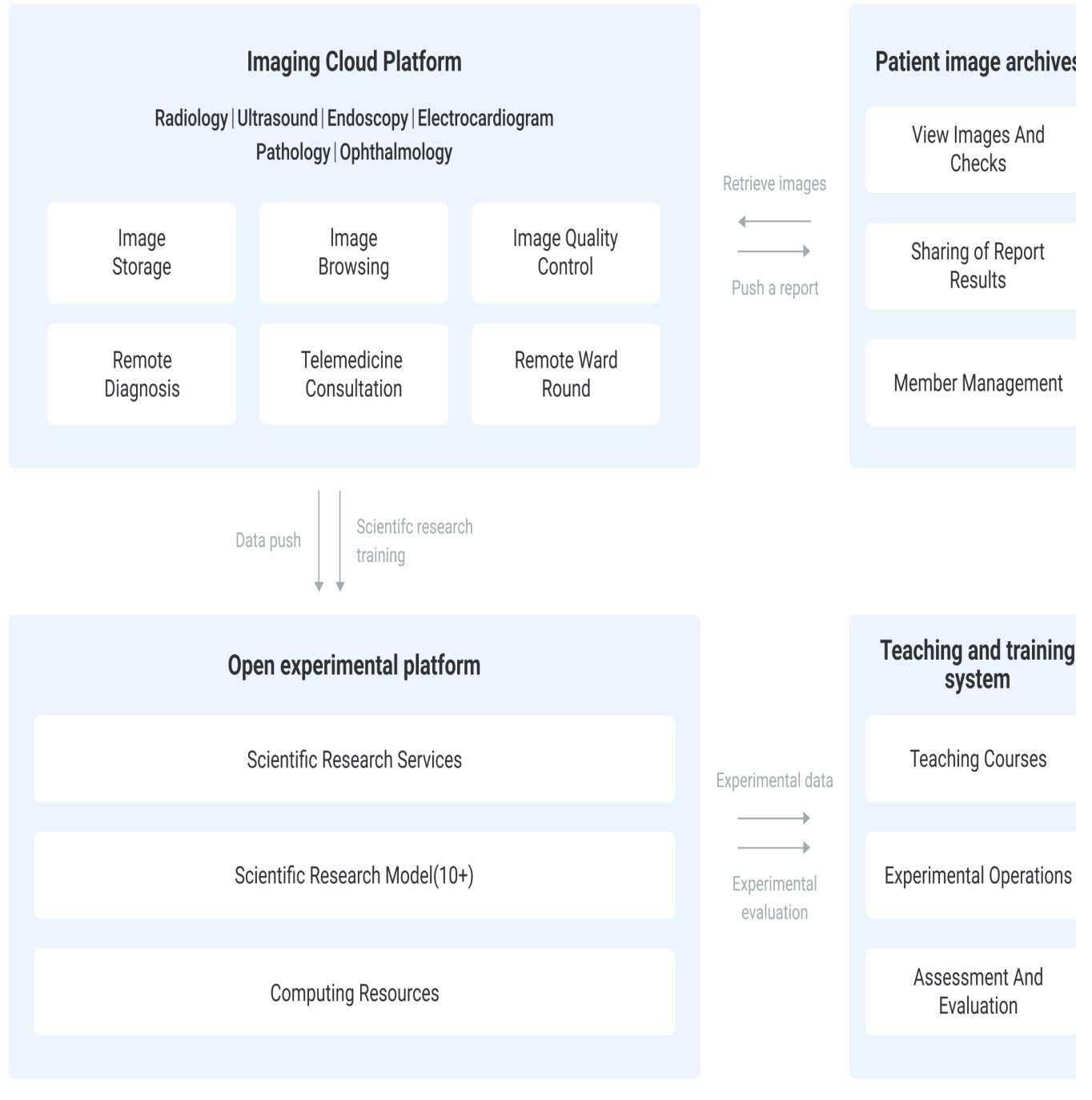
Overview

Last updated : 2025-03-07 17:07:27

The Digital and Intelligent Medical Imaging Platform (AIMIS), based on Tencent Cloud's powerful storage and computing capabilities, provides cloud storage and applications for digital medical imaging data for the healthcare industry. It covers multidisciplinary imaging such as radiology, ultrasound, ECG, pathology, endoscopy, and ophthalmology. The platform builds rich telemedicine applications on the cloud, including remote diagnosis, remote consultation, remote teaching, remote ward rounds, and cloud film, helping medical alliances, medical communities, and private medical groups achieve cross-hospital data interconnection and reduce costs and increase efficiency. For businesses and institutions with scientific research needs, the Opening Experimental Platform provides a one-stop medical AI open innovation service platform. Leveraging the platform's powerful computing resources, it can meet the security management and efficient annotation of various medical imaging data. It also has nearly a hundred commonly used clinical algorithm models built-in, accelerating clinical imaging research and product R&D, and promoting innovation cooperation and achievement transformation in medical AI.

The product architecture diagram of the Digital and Intelligent Medical Imaging Platform is as follows:

Digital and Intelligent Medical Imaging Platform



Strengths

Last updated : 2025-03-07 17:07:27

Diverse Applications

The platform covers the storage and application of multi-disciplinary medical imaging data, including radiology, ultrasound, ECG, pathology, endoscopy, and ophthalmology. It also builds rich telemedicine application features, including remote diagnosis, remote ward rounds, remote teaching, and imaging quality control. Additionally, it can be integrated with Tencent Meeting and WeCom to create an integrated solution for industry, academia, research, and management.

Efficiency and Intelligence

The Opening Experimental Platform provides one-stop technical services from data processing, data annotation, data quality control to algorithm design and scenario validation.

Flexible Deployment

The platform offers flexible deployment methods, quickly adapting to different brands of in-hospital PACS and directly connecting with medical imaging devices for transmission. A professional delivery and implementation team provides standardized local delivery or remote deployment, including preliminary on-site research, on-site deployment, and API integration. It also offers year-round 7*24 hotline, 5*8 online fault diagnosis and resolution, operation and maintenance assurance, software maintenance, and system optimization services.

Security and Reliability

The platform holds over 70 authoritative certifications, including ISO, HIPAA, Level 3 cybersecurity classified protection, and Trusted Cloud for Medical Imaging. It is fully secured by an international first-class technical team, covering network security, application security, data security, business security, host security, and management security. Customer data is isolated, and user data and business data are protected with advanced encryption algorithms.

Use Cases

Last updated : 2025-03-07 17:07:27

Regional Medical Consortium, Medical Community

By building a regional medical imaging platform, optimize the allocation of local medical resources and improve convenience for residents seeking medical services.

Medical Group, Private Medical Group

By building an internal imaging platform for the medical group, achieve data interconnection between different hospitals, provide cloud film value-added services for patients, and enhance the overall influence and recognition of the medical group.

Single Hospital, Imaging Center

By storing hospital imaging data in the cloud, reduce the cost of building physical server rooms within the hospital, and flexibly expand in the cloud, lowering hospital operation costs and achieving cost reduction and efficiency improvement.

Internet Hospital

By integrating cloud films with internet hospitals, combine cloud films with scenarios such as online consultations to enhance the overall benefits of the hospital.