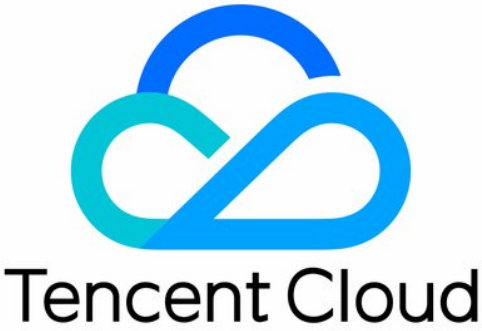
Tencent Cloud TI Platform

Product Introduction

Product Documentation



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Product Introduction
Overview

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TI Platform Overview

Tencent Cloud TI Platform (TI Platform) is a one-stop machine learning service platform designed for AI engineers. It empowers AI development throughout the entire process from data preprocessing, model building, model training to model evaluation. Preconfigured with diverse algorithm components, it supports multiple algorithm frameworks to adapt to different AI use cases.

TI Platform Pricing

TI Platform is postpaid (pay-as-you-go). For details, see Purchase Guide.

Other Relevant Products

Tencent Cloud COS is a distributed storage service. It will be applied to all processes involved in TI Platform, including storage and read of training data, intermediate result data, and model files. For more information, see Cloud Object Storage.

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Benefits to Customers

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Tencent Cloud TI Platform brings technical and business benefits.

Technical Benefits

- TI Platform's highly available, distributed GPU server cluster in the cloud meets the performance requirements of large-scale deep learning model training and is readily available after purchase anytime.
- Its GPU-based distributed machine learning platform is compatible with mainstream open-source machine learning frameworks such as TensorFlow, PyTorch, and PySpark, allowing you to flexibly define algorithm modules.

Business Benefits

- TI Platform is optimized in terms of the deep learning model training algorithms in the distributed GPU server cluster, greatly accelerating model training.
- It can save your time in building a machine learning platform by yourself and managing physical resources, so that you can focus on modeling that creates more business value.
- Its quick model deployment feature enables seamless connection between user-trained models and real businesses. In addition, it also features grayscale release and traffic distribution, which can help you flexibly perform upgrade and release operations in actual business scenarios and reduce the risks of version switching.

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Use Cases

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Tencent Cloud TI Platform offers complete framework and built-in algorithm support, which allows it to easily deal with various custom modeling scenarios based on machine learning and deep learning. The following describes some of its use cases.

Financial Risk Management

With increasingly diversified criminal methods, financial institutions have been plagued by lagged risk identification and stubbornly high bad debt losses. To address this, TI Platform can build risk monitoring models based on massive amounts of high-quality risk data to increase the timeliness, accuracy, and coverage of risk management. This greatly reduces the risks, losses, and management costs of financial institutions throughout the entire process from pre-loan credit line approval, mid-loan transaction fraud prevention, to post-loan debt collection.

Marketing Recommendation

How to accurately reach target customers and increase customer conversion has always been a concern of businesses. TI Platform can train matching models based on historical transaction data to predict the optimal matches between customers and products in different scenarios. This improves marketing effects, reduces marketing costs,

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attracts potential customers, and achieves cross-selling.

Industrial Quality Inspection

Conventional industrial quality inspection is labor-intensive, costly, and prone to omissions. Tencent Cloud TI Platform detects and classifies product defects based on device parameters and production images. This digitizes quality control, saving labor costs and lowering omission rates.

Algorithm Competition

An increasing number of AI algorithm competitions have been held along with the boom of the AI industry. One of the challenges faced by organizers has always been how to provide a unified tool to support the work habits of different

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teams and the concurrency of thousands of participants. The abundant algorithms and framework components built into Tencent Cloud TI Platform meet the needs of different users, and high-performance, stable clusters support large-scale training tasks.

Smart Property Management

With the improvement of people's living standards, property owners have higher requirements for property management and are challenged by high labor costs. TI Platform intelligently recognizes entering and leaving vehicles and all garbage dumps based on image recognition algorithms, which empowers smart property management for reduced labor costs and increased owner satisfaction.

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