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Industrial monitoring device based on Cloud Computing .

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The invention provides an industrial monitoring device composed of monitoring terminal, node server, storage server and central server based on cloud computing, and the node server connects with a plurality of monitoring terminals via the internet; The node server is connected with the central server; the central server is connected with the storage server; The present invention can achieve remote monitoring, and remote collection of data to effectively solve the shortcomings of the existing industrial monitoring device that the monitoring range is small and cannot be monitored in different places, and meet the development needs of industrial automation production, it has a wide range of promotion and application value.

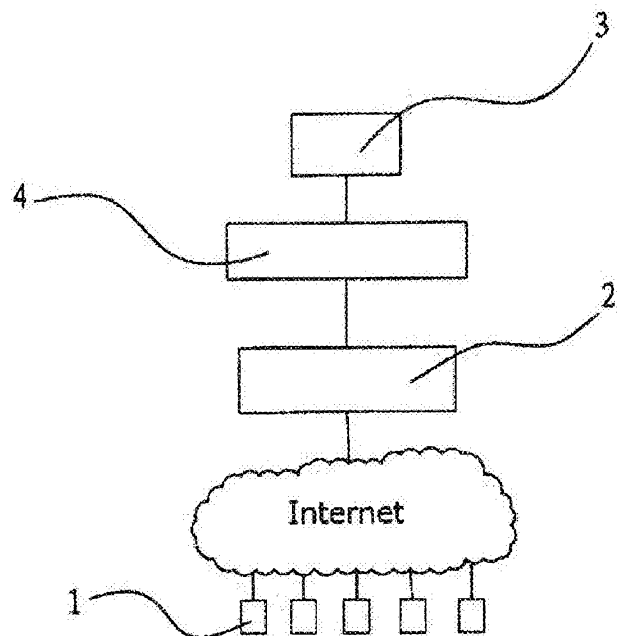


FIGURE 1

Industrial monitoring device based on Cloud Computing

Technology

The invention relates to the field of computer cloud computing, in particular, it is an industrial monitoring device based on Cloud Computing.

Background technology

With the continuous progress of the development of social economy, science and technology, automatic processing equipment has been widely used in various fields of industrial production, a large number of automated production equipment used need to apply monitoring device to achieve control and deployment.

With the globalization of manufacturing development mechanism, an industrial automation enterprise may include several production sites located at different locations, while factors upgrading of modern capacity, including improvement of efficiency, productivity, and manufacturing costs all need collection, analysis and optimization of production information for global manufacturing sites.

The existing industrial monitoring device simply connects the PLC chip of the automatic equipment with the monitoring computer, and the application range is limited, and can only achieve monitoring in a certain area. It is unable to meet the needs of the development of modern industrial production.

The object of the invention is to overcome the shortcomings of the existing technology and provide a monitoring device for remote monitoring industrial automation production equipment based on cloud computing.

Contents of invention

The adopted technical scheme by the invention to solve technical problems: it is an industrial monitoring device composed of monitoring terminal, node server, storage server, central server based on cloud computing, the server nodes and a plurality of monitoring terminal are connected via the Internet; the node server is connected with the central server; the central server is connected with the storage server.

Through the cooperation of the cloud computing architecture, the Internet, the central server and the monitoring terminal, the monitoring data is sent to the central server to be processed and stored in the storage server, so that the monitoring data can be conveniently analyzed and called.

The present invention can achieve remote monitoring, and remote collection of data to

effectively solve the shortcomings of the existing industrial monitoring device that the monitoring range is small and cannot be monitored in different places, and meet the development needs of industrial automation production, it has a wide range of promotion and application value.

Brief description of drawings

Figure 1: The structure diagram provided by the embodiment of the invention.

The labels in the graph are: (1) monitoring terminal; (2) node server; (3) storage server; (4) central server.

Specific implementation

In order to make the purpose, technical scheme and advantages of the present invention more clearly understood, the present invention is further described in conjunction with the drawings and embodiment. It should be understood that the specific embodiment described herein is only intended to explain the present invention but not intended to limit the invention.

Embodiment:

The invention provides an industrial monitoring device composed of monitoring terminal 1, node server 2, storage server 3, central server 4 based on cloud computing, the server node 2 and a plurality of monitoring terminal 1 are connected via the Internet; the node server 2 is connected with the central server 4; the central server 4 is connected with the storage server 3.

Patentansprüche

1. die Erfindung betrifft ein industrielles Überwachungsgerät, das aus einem Überwachungsendgerät, einem Knotenserver, einem Speicherserver und einem auf Cloud-Computing basierenden zentralen Server besteht, der dadurch gekennzeichnet ist, dass: die Serverknoten und eine Mehrzahl Überwachungsendgeräte über das Internet verbunden sind; der Knotenserver mit dem zentralen Server verbunden ist; der zentrale Server mit dem Speicherserver verbunden ist.

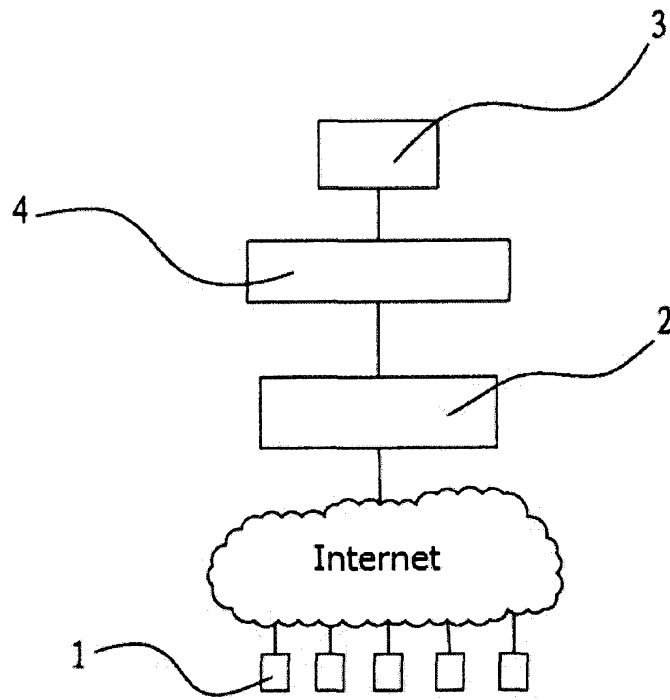


FIGURE 1

Abstract

The invention provides an industrial monitoring device composed of monitoring terminal, node server, storage server and central server based on cloud computing, and the node server connects with a plurality of monitoring terminals via the internet; The node server is connected with the central server; the central server is connected with the storage server; The present invention can achieve remote monitoring, and remote collection of data to effectively solve the shortcomings of the existing industrial monitoring device that the monitoring range is small and cannot be monitored in different places, and meet the development needs of industrial automation production, it has a wide range of promotion and application value.