Construction Of an Online System for Sino-German Cooperation to Cultivate Applied Talents Based on Distributed Networked Cloud Terminals

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Abstract: A new distributed SCADA system architecture is given, including infrastructure, distributed resources and task processing, distributed real-time data processing, and distributed data processing. The foreign language quality of Sino-foreign joint training of applied talents includes not only good foreign language knowledge, but also the application level of foreign language knowledge, cross-cultural communication ability and innovation ability. The reform and innovation of the practical teaching of a Sino-German cooperative logistics management major has established an enterprise-led application-oriented practical teaching system for college students, and analyzed the innovation and application effect of the system. Finally, the accuracy and efficiency of the proposed intelligent monitoring structure system are verified by the actual experimental results.

Keywords: Online System, Sino-German Cooperation, Cultivate Applied Talents, Distributed Networked Cloud Terminals

1. INTRODUCTION
In recent years, the development trend of globalization has not only swept through every corner of the economic field, but also penetrated into the field of higher education like a whirlwind [1]. Sino-foreign joint projects cultivate talents with international vision and international competitiveness to meet the needs of social development. German university education ranks in the forefront of the world [2]. It formed a relatively complete education system in the 1970s, and achieved interoperability at the two levels of basic education and higher education [3]. Comprehensive universities and applied universities can exchange courses and credits, forming a comprehensive system. Orientation three-dimensional education model [4]. Therefore, taking the logistics management major as an example, to explore the practical teaching system of subject education?

How to integrate the important theoretical and current abilities of the construction of communication, innovation and practical application-oriented practical teaching system into the training of students? [5] What kind of meaning should the school provide to the students? The data scale of various centralized power distribution cloud platforms has basically reached tens of millions [6], so the processing efficiency and storage capacity of real-time databases face new challenges and opportunities. However, as a localized education model in China, due to the relatively short development time It is short, the experience of running [7] a school is not rich enough, and there are still some problems on the road of running a school. In order to make its development more rational and standardized; for its existing problems, relevant departments should adopt legal constraints and norms when necessary [8].

The efficient operation of distributed energy optimization scheduling relies on advanced communication technology, which supports the coordinated operation of multiple distributed energy resources, the participation of user-side demand response [9], and flexible transactions. With the development of the ubiquitous power Internet of Things, more and more power devices are being connected to the power grid. However [10], the interface overhead is huge and the performance is unsatisfactory. In this paper, SALSA is used to analyze the logs of the Hadoop cluster to obtain relevant statistical data. However, due to the large delay of log analysis, it cannot well meet the real-time requirements of the monitoring system [11]. Foreign language quality refers to people's ability to master foreign language and use it properly through learning foreign language. In the process of Sino-foreign joint training of applied talents, the cultivation of foreign language quality is an important part [12].

The purpose of students learning foreign languages cannot stop at preparing for exams. At present, there are nearly 400 students in this major [13], and 60 of them go to Germany for exchange study. Two classes of students have successfully graduated, and half of them have obtained undergraduate degree certificates from both universities. Graduates go on to study for a master's degree [14]. Xiao Huaiyun discussed the feasibility and guarantee projects of attracting college students' logistics design competition in the important undergraduate teaching of practicing the German model and building a high-level application-oriented university [15], comprehensively introducing the advanced German modular teaching model, and taking joint measures to enhance the innovation of college students [16]. Ability and improve practical teaching effectiveness, formulate professional talent training plans, and achieve results in the curriculum system of professional teaching [17]. Compared with centralized real-time databases, distributed real-time databases can distribute and store data in multiple data nodes, which can effectively alleviate the need for a single computer. data processing pressure [18].

Compared with the centralized real-time database, the distributed real-time database can distribute and store data in multiple data nodes, which can effectively relieve the data processing pressure [19] of a single computer. my country's Sino-German cooperation in running schools can be traced back to 1907, which has a history of more than 100 years. In 1907 [20], the then German doctor Erich Paulun established Tongji Medical School in Shanghai Tongji Medical School.
The German Medical School, this move opened a precedent for Sino-German cooperation in running schools [21]. To learn a foreign language, no matter in what way or for what purpose, you must first master the rules of the language. In other words, it is to learn and master the basic elements [22] of the language, such as pronunciation, vocabulary, grammar and so on [23]. This is the basic condition for having a good foreign language quality [24]. Without rules, a circle cannot be achieved, and a strict management system is a necessary means to ensure the smooth progress of the Sino-foreign cooperative education [25].

2. THE PROPOSED METHODOLOGY

2.1 The Distributed Networking Cloud Terminal

In the early stage of project operation, Wuhan Business School emphasized the ability of application-oriented materialization in accordance with the relevant system of the Ministry of Education of my country. Among them, the basic ability refers to having the characteristics of German, mathematics and flow management undergraduates, which is to cultivate specialized and practical logistics talents, and the basic computer application ability; the instrumental ability refers to mastering the logistics management and the basis for the research on the ability requirements of the logistics post group. In the above, the technology of statistics, evaluation and optimization in the response process is designed, which can be used for a comprehensive practical teaching system of logistics management, distributed resources and task processing. Among them, distributed resource management can be divided into node state management and resource state management, etc. It is mainly responsible for monitoring the online and offline state of server nodes and the usage of hardware resources.

State Grid Corporation of China introduced the concept of cloud computing platform into the power system, and pointed out that the cloud computing platform has a significant supporting role in improving the energy efficiency of power grid application business according to the application of cloud computing platform in different applications of the power system. Energy optimal scheduling provides a verification platform for models and algorithms. This paper builds a cloud platform for distributed energy optimal scheduling based on Cloudera. The platform architecture takes the pilot application of distributed energy optimal scheduling as the design goal. Since the advent of the Internet, surveillance technologies and strategies have also evolved. With the development of the Internet, related monitoring has also changed from the initial local area network monitoring to the regional network monitoring, and then to the current cloud monitoring, which basically is to continuously improve service efficiency and resource utilization while meeting the continuous needs of users.

The overall level of the institutions that cooperate and exchange with the German side is low. It is not difficult for us to understand the reason: because Hefei College itself is positioned as a “local, applied, and internationalized” school, although it is a major feature of the college. Language is the carrier of culture, and it is also cultural. In part, a specific language is always rooted in a specific culture, and cultural differences are bound to be reflected in the language.

2.2 The Sino-German Cooperation to Cultivate Applied Talents

Mainly through company visits, graduation internships, and full-time experimental teachers to develop experimental projects. Sino-German Logistics takes measures such as cultivating co-construction of majors, entrepreneurs entering classrooms or logistics design competitions, etc., to cultivate students’ practical ability, the ability to integrate theory with practice, and innovation. Construction and improvement of logistics management and engineering virtual simulation, experimental teaching center and physical experimental teaching center. For most scheduling control systems, SCADA data processing modules are in the form of one master and multiple backups, that is, only the master node processes data in real time, and the rest The node is basically in a standby state. It can form a virtual, abstract and dynamically scalable resource pool, and then provide services such as storage capacity, computing power and development platform on demand through the Internet. Residents’ electricity consumption time is usually concentrated, and electricity consumption habits will change with temperature, humidity, weather and other factors, resulting in unpredictable electricity consumption behavior. For ordinary residents, air conditioners, washing machines, and electric water heaters usually consume a lot of power. The strength extension function has managed the number of instances of each application in the cloud platform. Improve the efficient use of cloud platform resources by controlling the number of instances, and realize the self-management and adaptive functions of the cloud platform.

2.3 Build An Online System for Cultivating Applied Talents

The teachers have relevant examination, teaching and overseas study experience. In order to deepen the reform of Chinese education and teaching the machine has broken the record and practiced, learned from the master, and changed the passive practice to the main one. Relatively speaking, the cloud computing system has very good flexibility, and can achieve massive data by adding nodes. Storage and processing requirements, but also increase nodes in the horizontal direction.

On the basis of the cloud computing platform, the overall process of realizing the distributed resource intelligent monitoring system is as follows: firstly, through the acquisition layer, the terminal sensing acquisition system receives the monitoring tasks and optimizes the monitoring strategy, and realizes the energy storage. Distributed energy mainly includes such as Energy equipment such as distributed wind power, distributed photovoltaics, distributed energy storage, and distributed dispatchable units. In this chapter, the characteristics of distributed energy are firstly studied, and the optimal scheduling model of distributed energy is established, which fully considers the economics and environmental protection of distributed energy optimal scheduling. As shown in the figure above, the available memory and available disk are the fixed resource usage of the application on the cloud platform, and are also the resource usage limit of the application on the cloud platform.

CPU usage, used memory and used disk are real-time dynamic resources. In order to cultivate high-level compound application talents with a certain level of scientific research and an international perspective, it is not enough to simply communicate at the undergraduate level; Based on this, it is necessary for the college to vigorously develop the planning
and construction of the master's professional disciplines in the school in light of its own situation. In order to cultivate high-level compound application talents with a certain level of scientific research and an international perspective, it is only through exchanges at the undergraduate level. It is far from enough; based on this, it is necessary for the college to vigorously develop the planning and construction of master's disciplines in the school based on its own situation.

3. CONCLUSIONS

This paper argues that the key technologies of centralization are discussed comprehensively considering the computing elasticity advantages of cloud platforms. In addition to real-time database and SCA-DA system, it also includes elastic event queue and elastic application framework. Doing a good job in Sino-foreign cooperation in running schools mainly lies in three aspects: grasping the key points and cultivating leading talents; From the aspects of cloud computing platform management system, intelligent monitoring architecture and intelligent monitoring implementation method, the overall implementation method of the distributed resource intelligent monitoring structure system scheme is elaborated. To lead the way, implement basic team building; integrate resources to build a teaching.

4. REFERENCES


