

具有面向服务架构的电力企业资产管理系统模型设计

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摘要

针对企业资产管理(enterprise asset management, EAM)系统在电力行业中的应用, 提出了电力企业EAM系统设计模型, 讨论了该模型各层的设计思想和设计要点, 并运用面向服务的设计方法对系统进行服务粒度的划分, 同时使用Web 服务技术实现与外部系统的接口, 最后结合电力行业设备点巡检管理系统的开发实例阐述了EAM应用系统的设计方法。

关键词 [面向服务架构; 企业资产管理\(EAM\); 服务粒度; Web服务; 电力系统](#)

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Design of Model of Asset Management System Possessing Service-Oriented Architecture for Power Enterprises

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Abstract

Aiming at the application of enterprise asset management (EAM) system in power enterprises, a design model of EAM system for power enterprises is proposed. The design philosophy and highlights for each layer of this model are researched; the division of server size of this EAM system is conducted by use of service-oriented design method; at the same time, the interface of the proposed system with external system is implemented by use of Web service technique. Finally the design method of application system of EAM is expounded by means of developing example of an actual patrol inspection management system for key equipments of power enterprises.

Key words [service-oriented architecture; enterprise asset management \(EAM\); server size; Web service; power system](#)

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