

论文

煤炭企业级电力云构建及电网规划应用实现

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摘要:

将“云计算”和SOA软件构架引入煤炭企业级电力系统, 构建煤炭企业级电力云计算平台, 最大限度地整合当前系统的数据资源和处理资源, 极大提高煤矿电网数据的处理和交互能力, 进而为煤炭企业智能电网建设提供有效的技术支持。在该平台的基础上, 以煤矿电网规划应用服务为例, 阐述了整个服务的实现过程, 为“云计算”应用服务落地提供了新的解决思路。

关键词: 煤炭企业级电力系统; 电网规划; 云计算; SOA

Construction of the coal enterprise class power cloud computing platform and realization of power grid planning application

Abstract:

“Cloud computing” and SOA were brought to build the coal enterprise class power cloud computing platform. Through this platform, data resource and processor resource were integrated maximally. The capability of data interaction and procession will be improved greatly and the platform will be an effective technical support for smart grid. Power grid planning application of coal mine was built as an example based on this platform and the implementation process is elaborated. Cloud computing applications will be on the ground.

Keywords: coal enterprise class power system; power grid planning; cloud computing; SOA

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