Analysis and design of solar container cloud network operation model

In this study, the power grid results are modeled based on complex network model, and the power grid environment was scheduled and optimized by multi-objective container cloud scheduling technology. ...

To our knowledge, we first propose a generic framework of GSI-IHSF consisting of four modules, i.e., sky image acquisition, sky image preprocessing, cloud forecasting, and solar forecasting.

This paper proposes an adaptive container auto-scaling method called Asner that includes an improved RL-based algorithm with a dynamic action model to solve the problem of fixed ...

Using STRIDE, we first design a data flow diagram (DFD) of the container system to map its components and their relationship via the flow of data. We then conduct a wide-range of ...

This paper analyzes the present network challenges for container cloud platform, and based on the existing research on container network tool, finding that the existing solutions in network isolation, ...

6. CONCLUSIONS This paper provides a comprehensive analysis of the costs and size for an SLB-based PV-powered solar container designed for EV charging stations located in rural ...

I am a research scientist in Network Research at Alibaba Cloud, and lead the design and implementation of innovations in predicatble network (?????). I am now leading the ...

The absorbing state model also calculates the cumulative probability distribution function. A sensitivity analysis using the design of experiment was also conducted for the hybrid ...

The CCoE should be a cross-functional team that includes representation from infrastructure, applications, operations, and security. One of the key components of a cloud operating model is a ...

The operation of these devices generates extensive volumes of data, necessitating comprehensive processing and the need for real-time analysis to facilitate efficient decision-making ...

Developing an effective objective function is fundamental to optimizing PV system operations within the IEEE 33-bus network. This study prioritizes the maximization of renewable ...

To accommodate such communities, an alternative to Cloud computing and virtualization of whole servers that is gaining widespread adoption is micro-hosting services and ...

Analysis and design of solar container cloud network operation model

Based on the theory of deep reinforcement learning, we define cloud environment, scheduling agent, scheduling actions and scheduling evaluation methods, and establish a learning ...

A comparative analysis of container orchestration tools in cloud computing. In 2022 9th International Conference on Computing for Sustainable Global Development (INDIACom) (pp. 698-703).

Web: https://lpsolar.co.za