Power Resource Pooling Management System

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Introduction

Architecture.


Product System.

The product body is divided into the three layer architectures:
- Data persistence layer, this layer realizes the integration of Power environmental data.
- Base System layer, this layer provides the main function of product support.
- Business logic layer, this layer combines the usage mode of enterprise resource and provides the corresponding business functions.

Features
- Unified Management
- Unified Display
- Graphical Information: The graphical method displays the information of resource pooling and provides the easily obtainable online information search.
• Alarm Processing: After the system generates alarm information, Power Resource Pooling Management System sends the warning to the upper layers following human organizational structure by message and mail and records the Processing behavior.


• Mobile Internet: Providing the service based on mobile terminal, Meeting the demand for office without restraint.

**Function**

**Resource Monitoring.**

Resource Monitoring is a function module based on graphic operation and providing global topological map view. Resource Monitoring consists of real-time monitoring and resource discovery. Resource Monitoring provides the real-time monitoring of usage of CPU, memory and storage on equipments. And Resource Monitoring provides the warning service by monitoring the running state.

**Resource Management**

Resource Management consists of Resource Allocation, Asset Information, Resource Discovery and Image Management. Resource Allocation allocates virtual machine for the resource manager according to the request and approval of the results. Asset Information provides the related configuration information of physical machines and virtual machines. Resource Discovery shows the abnormal access physical machine list by using monitor software Agent. And then turns them to legal monitoring equipments by logging the asset information. The system administrator maintains Image Management.

**Report Management**

Report Management mainly includes report query and report strategy. Report Management provides the flexible customization of format, generation time and method of giving notice etc. and displays the report generation situation based on strategy settings.
**Event Management**

Event Management mainly includes event query and event strategy. Event Query mainly displays the system log information. The information mainly includes user log, system log and event log. User log records the system user login information, user exit system time and the client IP address information. System log records operation of system interface. Event log records the relevant information of resource alarm. The system administrator can set the event handling process and event alarm level in event strategy.

**Account Management**

Account Management is the process of comprehensive management of all user information in the system. Account Management consists of department establishment and maintenance, position establishment and maintenance, user information establishment, role assignment, authority distribution and the user's account information maintenance.

**Value**

**Comparative Competence Advantage**

<table>
<thead>
<tr>
<th>Graphical Information</th>
<th>Displaying IT infrastructure monitoring data by using graphical method; Providing the graphical information of physical topology, organization charts and data analysis, etc. User can understand intuitively. Enhancing the user experience.</th>
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<tr>
<td>Data Analysis</td>
<td>Providing the statistical analysis service and well-understood analysis chart based on monitoring data and virtual environment system.</td>
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Decision Support

Providing the resources environment inspection and snapshot retention function for expansion and migration. Realizing intelligent user decision support.

Unique Customer Value
Providing operation security services for customer in the same environment.

- Providing unified monitoring and management with graphical display for a variety of hardware and Power Resource Pooling of virtualization technology. User can do routine maintenance conveniently.

- Providing convenient operation security service for user by data analysis and decision support. Providing resource rapid deployment capability services for user.

- Providing graphical display and online chart analysis. Improving the efficient use of manpower. Thus, the work becomes convenient and easy. Operation, management and business team can obtain the information quickly, deploy or adjust the resources and point out the problem.

References


