

Power Resource Pooling Management SystemV1.0

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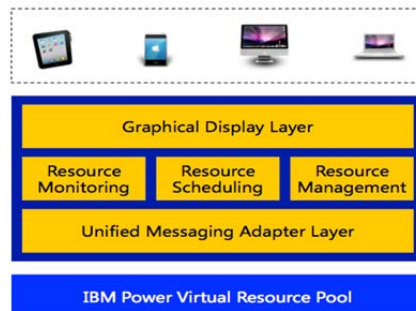
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Abstract. Catering to private clouds market, Power Resource Pooling Management System provides unified management,integrated resource allocation and workflow analysis of Power7 series servers for the customer business department by personalized graphic display.Power Resource Pooling Management System also provides data analysis and user decision support service based on Power Resource Pooling.

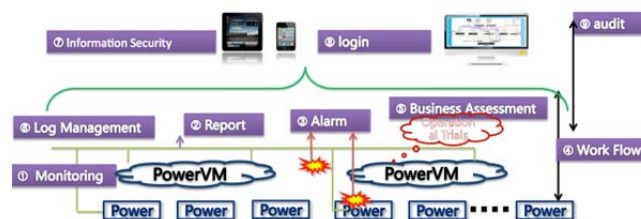
Introduction

Architecture.

Power Resource Pooling Management Systemprovidesaunified management for Power Resource Pooling. Power Resource Pooling Management System uses a graphical display to convert the complex data into the easily obtainable information. Power Resource Pooling Management System providesthestandard,convenient and efficientbusiness application environment and service delivery capability. The platform consists of resource monitoring, resource scheduling, resource management and other core modules.



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 correspondingbusiness 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.
- Workflow Management: Public CloudIndependent Application Approval ProcessManagement and Private Cloud Resources Application and Approval Process Management
- 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 operationand 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.AndResource 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.

ID	Name	Status	Other Details
ACRWAY-QP-09-05	ACRWAY-QP-09-05	Running	192.168.1.1
ACRWAY-QP-09-06	ACRWAY-QP-09-06	Running	192.168.1.2
ACRWAY-QP-09-07	ACRWAY-QP-09-07	Running	192.168.1.3
ACRWAY-QP-09-08	ACRWAY-QP-09-08	Running	192.168.1.4
ACRWAY-QP-09-09	ACRWAY-QP-09-09	Running	192.168.1.5
ACRWAY-QP-09-10	ACRWAY-QP-09-10	Running	192.168.1.6
ACRWAY-QP-09-11	ACRWAY-QP-09-11	Running	192.168.1.7
ACRWAY-QP-09-12	ACRWAY-QP-09-12	Running	192.168.1.8
ACRWAY-QP-09-13	ACRWAY-QP-09-13	Running	192.168.1.9
ACRWAY-QP-09-14	ACRWAY-QP-09-14	Running	192.168.1.10

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 noticeetc.and displays the report generationsituation 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

Graphical Information	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.
Data Analysis	Providing the statistical analysis service and well-understood analysis chart based on monitoring data and virtual environment system.

Decision Support	Providing the resources environment inspection and snapshot retention function for expansion and migration. Realizing intelligent user decision support.
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Unique Customer Value

Providing operation security services for customers 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.

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