

Management

Resource Optimizer



Recommend Rightsizing of Resources

Resource Optimizer analyzes resources running on Samsung Cloud Platform to provide Rightsizing recommendations and identify Idle resources. By resizing resources and removing idle resources, the service helps reduce workload costs and optimize performance.



Data-Driven Rightsizing

The Resource Optimizer recommends optimal specifications for Virtual Server, Block Storage, and database resources based on utilization data recently collected by ServiceWatch. Users can flexibly set thresholds and headroom criteria for CPU and memory utilization. Long-term usage analysis is possible by extending the lookback period from 14 days to 32 or 93 days.



Idle Resource Identification

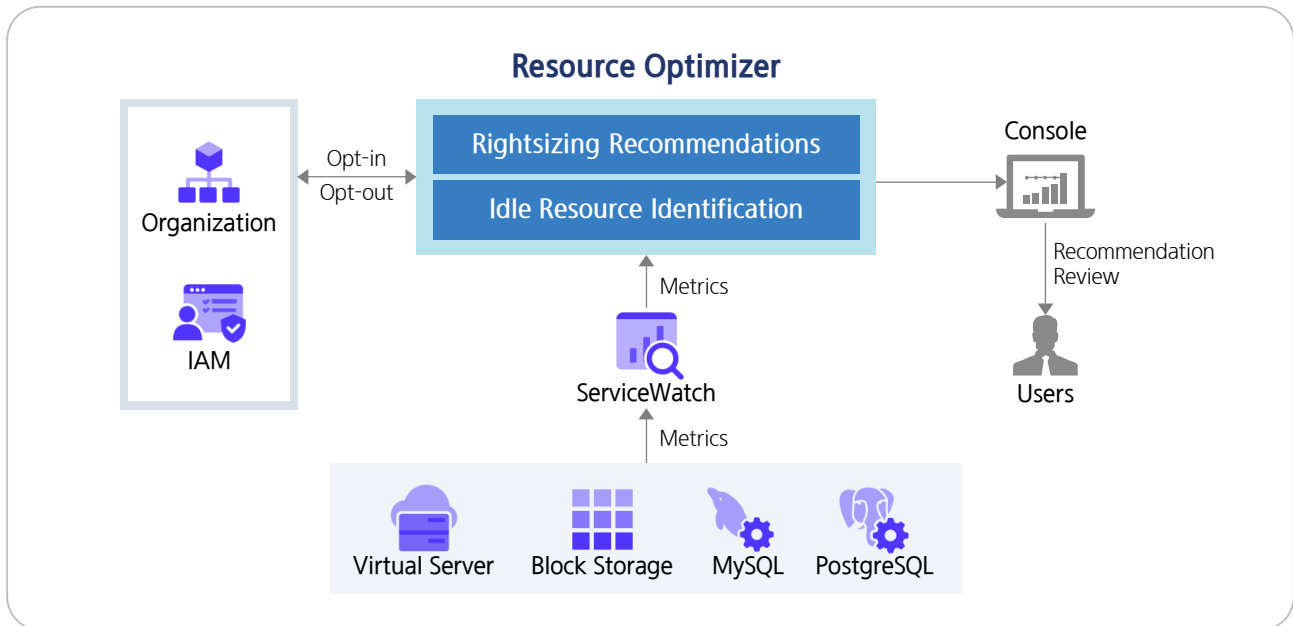
Identifies resources with extremely low utilization to prevent unnecessary costs. The service notifies users to review the removal of long-unattached resources, including Virtual Server instances, Block Storage volumes, and database instances, helping reduce infrastructure costs.



View Analysis Results

Users can configure optimization criteria independently at both the organization and account levels. Analysis results can be viewed through the dashboard using account and region filters.

Service Architecture



Key Features

- **Service opt-in/opt-out**
 - Select an individual account or all member accounts in an organization based on the login account type
 - When opt-in is enabled, resource utilization metrics are analyzed through integration with ServiceWatch
 - When opt-out is enabled, all recommendations and analysis data for the account are deleted
- **Setting analysis criteria**
 - Configure and manage optimization criteria by organization, account, region, and resource type
 - Configure CPU utilization, memory utilization, threshold, and headroom
 - View analysis results and idle resources through the dashboard
- **Rightsizing recommendations**
 - Resources : Virtual Server instances, Block Storage volumes, and database instances
 - Lookback period : 14 days(default), 32 days, or 93 days(using long-term infra metric)
 - Utilization metrics : Server CPU utilization, memory utilization, disk read/write throughput and IOPS, network inbound/outbound throughput, and more
 - Evaluate resource status and provide recommended options
- **Identifying idle resources**
 - Identify storage volumes or extremely low utilization servers that are not connected to servers for a long time
 - Use tag scanning and account/region filters to identify idle resources that need to be managed
 - Provides cause and rationale for resource idle and guides resource deletion

