

Kumoco Cloud Manager

Explored Resources & Recommendations

All AWS, Azure, GCP and VMware resources supported by Kumoco Cloud Manager are listed within this document



AWS RESOURCE	ANALYZED RECOMMENDATION
Virtual Machines	<ul style="list-style-type: none">• Downsize (configurable threshold)• Upsize (configurable threshold)• Terminate (configurable threshold)• Regional comparison (same provider)• Provider comparison
Load Balancer	<ul style="list-style-type: none">• Terminate (Health check)• Terminate (Config > 1 RSS target group)
Kubernetes	<ul style="list-style-type: none">• Upsize (>90% CPU)• Downsize (<65% CPU)
Containers (Elastic Container Service)	<ul style="list-style-type: none">• Upsize (Configurable threshold)• Downsize (Configurable threshold)
Storage Volumes	<ul style="list-style-type: none">• Orphaned• Unused (Configurable threshold)
Reserved Instances	<ul style="list-style-type: none">• Volume monitoring• Purchase recommendations
Beanstalk Cloud Formation Templates (CFT) DynamoDB EMR Clusters Lambda Functions OpsWorks / Chef servers Web Apps	<ul style="list-style-type: none">• Metric data retrieval

AZURE RESOURCE	ANALYZED RECOMMENDATION
Virtual machines (inc. Azure Classic/V1)	<ul style="list-style-type: none">• Downsize (configurable threshold)• Upsize (configurable threshold)• Terminate (configurable threshold)• Regional comparison (same provider)• Provider comparison
Kubernetes	<ul style="list-style-type: none">• Upsize (>90% CPU)• Downsize (<65% CPU)• Regional comparison
Reserved Instances	<ul style="list-style-type: none">• Volume monitoring• Purchase recommendations (configurable threshold)• Lease end notification• Termination scheduling on lease end



Containers MSSQL Server MSSQL Database Storage Blobs	<ul style="list-style-type: none">• Metric data retrieval (hourly)
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GCP RESOURCE	ANALYZED RECOMMENDATION
Virtual machines	<ul style="list-style-type: none">• Downsize (configurable threshold)• Upsize (configurable threshold)• Terminate (configurable threshold)• Regional comparison (same provider)• Provider comparison
Spanner	<ul style="list-style-type: none">• Upsize (>90% CPU)• Downsize (<65% CPU)• Regional comparison
BigQuery	<ul style="list-style-type: none">• Flat-rate slot benefit (10k)• Table expiry date monitor
CloudRun	<ul style="list-style-type: none">• 'Min_instance' number• 'Max_instance' incl. overhead number• Move from Tier2 to Tier1
CloudFunction	<ul style="list-style-type: none">• 'Max_instance' number
Serverless (General)	<ul style="list-style-type: none">• Notify 'max_instance' not set
Dataflow	<ul style="list-style-type: none">• 'MaxInstanceWorkers' number• Type (FlexRS > Batch > Streaming)• Remove public IP
Kubernetes	<ul style="list-style-type: none">• Upsize (>90% CPU)• Downsize (<65% CPU)• Regional comparison• Change to E2 machine type
Reserved Instances	<ul style="list-style-type: none">• Volume monitoring• Purchase recommendations

VMware RESOURCE	ANALYZED RECOMMENDATION
Virtual machines	<ul style="list-style-type: none">• Downsize CPU (Configurable threshold)• Upsize CPU (Configurable threshold)• Downsize Memory(Configurable threshold)• Upsize Memory(Configurable threshold)• Terminate (configurable threshold)