Amazon Web Services: SL1 Dashboards

Amazon Web Services: SL1 Dashboards PowerPack version 100

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Chapter 1

Introduction

Overview

This manual describes the dashboards and widgets that are included in the *Amazon Web Services: SL1 Dashboards* PowerPack.

The following sections provide an overview of the *Amazon Web Services: SL1 Dashboards* PowerPack:

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Amazon Web Services: SL1 Dashboards PowerPack Contents

The *Amazon Web Services: SL1 Dashboards* PowerPack includes Dashboards that present summary information about AWS devices that are monitored in SL1 with the *Amazon Web Services* PowerPack.

NOTE: These dashboards are intended for use only in the new SL1 user interface and will not load in the classic ScienceLogic platform user interface. To access the new SL1 user interface, type **/ap2** at the end of the URL or IP address you use to access the classic ScienceLogic platform user interface.

NOTE: The *Amazon Web Services: SL1 Dashboards* PowerPack requires a minimum AP2 version of 5.114.6 and minimum widget components version of 2.168.10. You can view the version information on the **Content Management** page (Manage > Content Management) of the new SL1 user interface.

Installing the Required PowerPacks

The *Amazon Web Services: SL1 Dashboards* PowerPack includes dashboards that present AWS device data that is collected by the *Amazon Web Services* PowerPack. Before completing the steps in this manual, you must import and install the following PowerPacks:

- *Amazon Web Services* PowerPack version 112 or greater
- *Amazon Web Services: SL1 Dashboards* PowerPack version 100

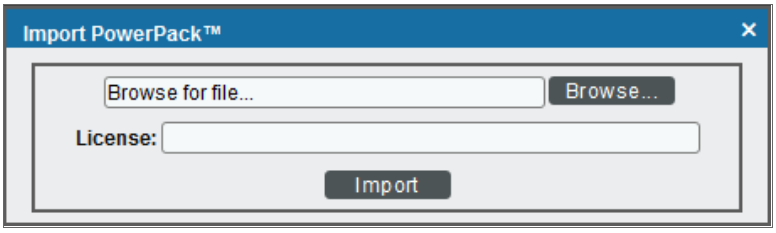
NOTE: For more information about using the *Amazon Web Services* PowerPack, see the ***Monitoring Amazon Web Services*** manual.

TIP: By default, installing a new version of a PowerPack overwrites all content from a previous version of that PowerPack that has already been installed on the target system. You can use the ***Enable Selective PowerPack Field Protection*** setting in the **Behavior Settings** page (System > Settings > Behavior) to prevent new PowerPacks from overwriting local changes for some commonly customized fields. (For more information, see the ***System Administration*** manual.)

To download and install a PowerPack:

1. Download the PowerPack from the ScienceLogic Customer Portal.
2. Go to the **PowerPack Manager** page (System > Manage > PowerPacks).
3. In the **PowerPack Manager** page, click the **[Actions]** button, then select *Import PowerPack*.

4. The **Import PowerPack** dialog box appears:



5. Click the **[Browse]** button and navigate to the PowerPack file.
6. When the **PowerPack Installer** modal page appears, click the **[Install]** button to install the PowerPack.

> **NOTE:** If you exit the **PowerPack Installer** modal page without installing the imported PowerPack, the imported PowerPack will not appear in the **PowerPack Manager** page. However, the imported PowerPack will appear in the **Imported PowerPacks** modal page. This page appears when you click the **[Actions]** menu and select *Install PowerPack*.

Chapter 2

Viewing the Amazon Web Services SL1 Dashboards

Overview

> **NOTE:** This chapter describes dashboards that are included in the *Amazon Web Services: SL1 Dashboards* PowerPack, which is intended for use only in the new SL1 user interface. For information about the dashboards that are included in the *Amazon Web Services: Dashboards*PowerPack for use in the classic ScienceLogic platform user interface, see the ***Monitoring Amazon Web Services*** manual.

The following sections describe the dashboards and widgets that are included in the *Amazon Web Services: SL1 Dashboards* PowerPack:

AWS Account Billing Dashboard 7
AWS Application ELB Performance Dashboard 7
AWS DDB Performance Dashboard 8
AWS EBS Performance Dashboard 9
AWS EC2 Performance Dashboard 10
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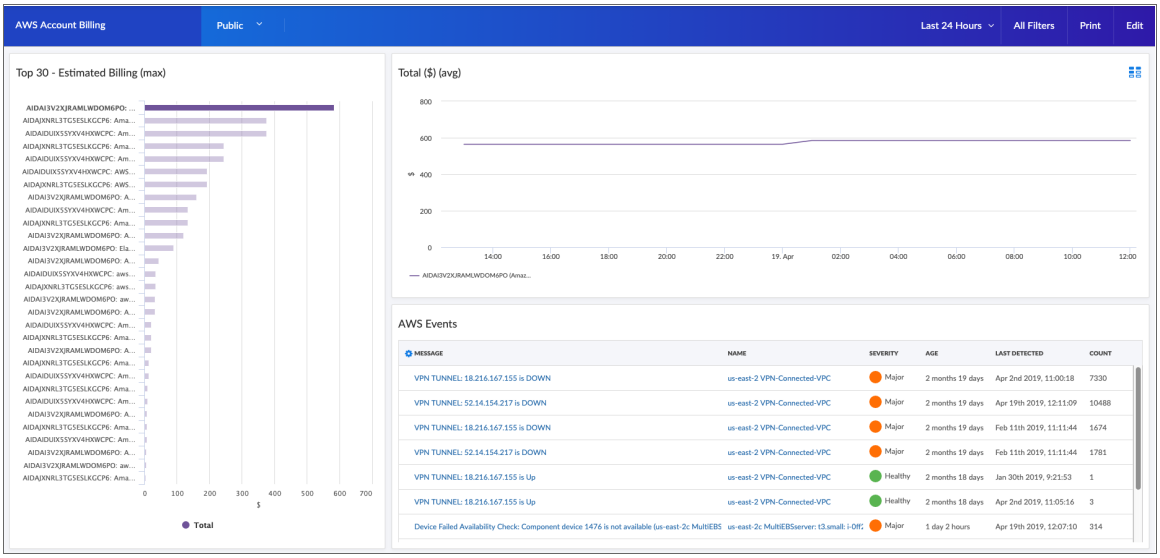
AWS EMR Performance Dashboard 11
AWS Network ELB Performance Dashboard 11
AWS RDS Performance Dashboard 12
AWS SQS Performance Dashboard 13
AWS Storage Gateway Performance Dashboard 14

AWS Account Billing Dashboard

The "AWS Account Billing" dashboard provides summary information about your AWS account billing information:

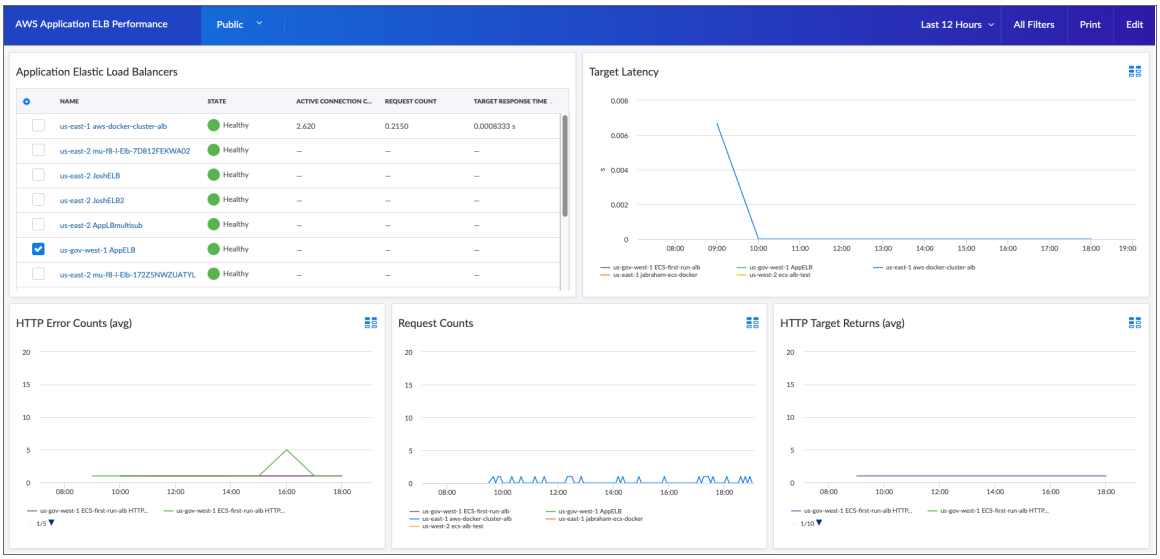


This dashboard includes the following widgets:

- ***Top 30 - Estimated Billing.*** A list of the top 30 AWS services based on the estimated billing amount for each service over the selected time period. This widget controls what data appears in the other widgets. Click a service name to see more billing details for that service in the ***Total ($)*** widget.
- ***Total ($).*** A performance graph that shows the estimated billing amount for the selected service over the selected time period. To select a service, click on its name in the ***Top 30 - Estimated Billing*** widget.
- ***AWS Events.*** A list of events associated with the account that displays the event message, device name, color-coded severity, age, last detected date and time, and count for each event.

AWS Application ELB Performance Dashboard

The "AWS Application ELB Performance" dashboard provides summary information about your AWS Application Elastic Load Balancing (ELB) services:



This dashboard includes the following widgets:

- ***Application Elastic Load Balancers.*** A list of available application ELBs that displays the device name and current health state for each ELB. This widget controls what data appears in the other widgets. To view dashboard data for an ELB, select its checkbox. You can select more than one ELB at a time.
- ***Target Latency.*** A graph displaying the time elapsed, in seconds, after the request left the selected load balancer until a response from the target was received during the selected time period.
- ***HTTP Error Counts.*** A graph displaying the average number of HTTP 400 and 500 response codes generated by the targets during the selected time period.
- ***Request Counts.*** A graph displaying the number of requests received over IPv4 and IPv6 by the selected load balancer during the selected time period.
- ***HTTP Target Returns.*** A graph displaying the average number of HTTP 200 and 300 response codes generated by the targets during the selected time period.

AWS DDB Performance Dashboard

The "AWS DDB Performance" dashboard provides summary information about your AWS DynamoDB (DDB) database tables:

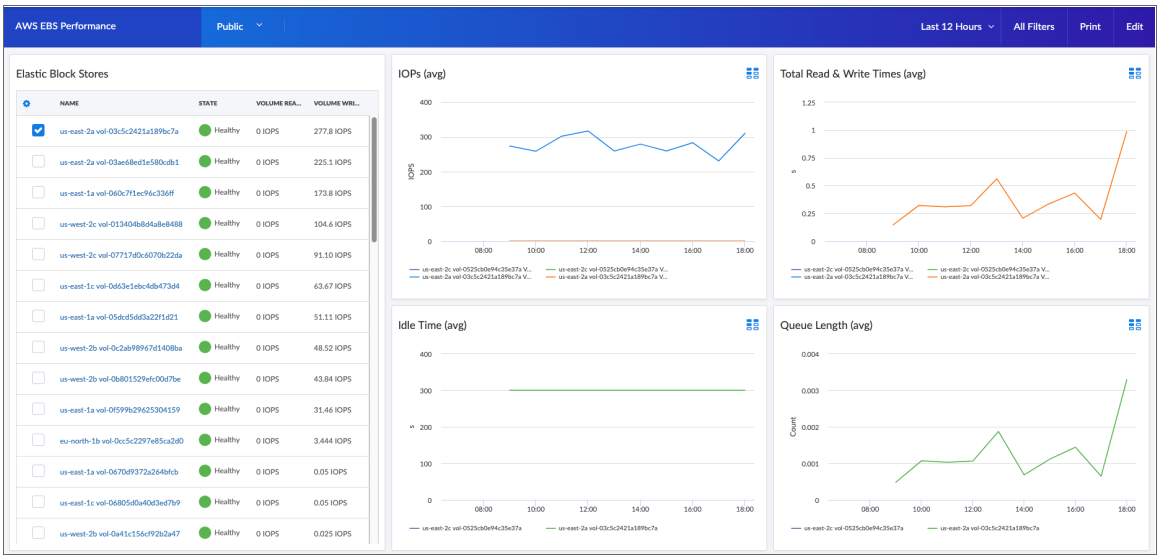
This dashboard includes the following widgets:

- ***DynamoDB Tables.*** A list of available DynamoDB tables that displays the device name and current health state for each table. This widget controls what data appears in the other widgets. To view dashboard data for a table, select its checkbox. You can select more than one table at a time.
- ***Consumed Read & Write Capacity.*** A graph displaying the average provisioned throughput read capacity of the deployment configuration for the selected table, and the average provisioned throughput of consumed write capacity for the selected table, during the selected time period.

- ***User Errors.*** A graph displaying the average number of requests to DynamoDB that generated an HTTP 400 status code during the selected time period.
- ***Successful Request Latency.*** A chart displaying the average number of successful requests to DynamoDB during the selected time period.
- ***System Errors Count.*** A graph displaying the average number of requests to DynamoDB that generated an HTTP 500 status code during the selected time period.

AWS EBS Performance Dashboard

The "AWS EBS Performance" dashboard provides summary information about your AWS Elastic Block Store (EBS) volumes:

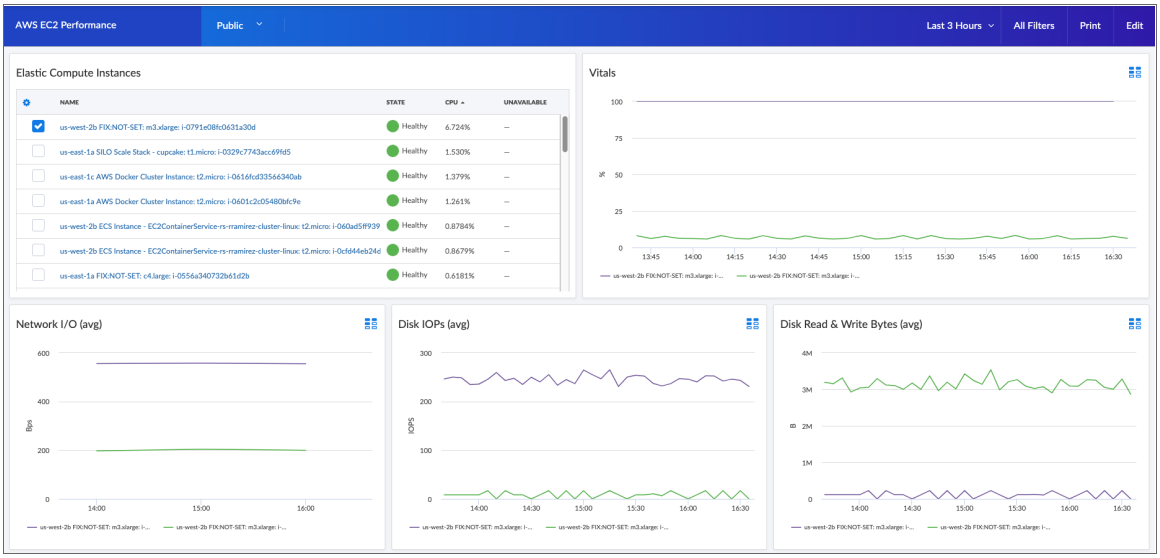


This dashboard includes the following widgets:

- ***Elastic Block Stores.*** A list of available Elastic Block Stores that displays the device name and current health state for each EBS. This widget controls what data appears in the other widgets. To view dashboard data for an EBS, select its checkbox. You can select more than one EBS at a time.
- ***IOPs.*** A graph displaying the average number of read and write operations per second that were completed by the EBS during the selected time period.
- ***Total Read & Write Times.*** A graph displaying the average total time spent by all read and write operations that were completed by the EBS during the selected time period.
- ***Idle Time.*** A graph displaying the average amount of time during which no read or write operations were submitted to the EBS during the selected time period.
- ***Queue Length.*** A graph displaying the average number of read and write operation requests waiting to be completed by the EBS during the selected time period.

AWS EC2 Performance Dashboard

The "AWS EC2 Performance" dashboard provides summary information about your AWS Elastic Compute Cloud (EC2) instance devices:



This dashboard includes the following widgets:

- ***Elastic Compute Instances.*** A list of available Elastic Compute Instances that displays the device name and current health state for each device. This widget controls what data appears in the other widgets. To view dashboard data for a device, select its checkbox. You can select more than one device at a time.
- ***Vitals.*** A graph displaying the memory usage on the selected instance during the selected time period.
- ***Network I/O.*** A graph displaying the average network input and output by the selected instance during the selected time period.
- ***Disk IOPs.*** A graph displaying the average input and output operations per second completed by the selected instance during the selected time period.
- ***Disk Read & Write Bytes.*** A graph displaying the average bytes read from and written to the selected instance during the selected time period.

AWS ELB Performance Dashboard

The "AWS ELB Performance" dashboard provides summary information about your classic AWS Elastic Load Balancing (ELB) services:

This dashboard includes the following widgets:

- ***Elastic Load Balancers.*** A list of available ELBs that displays the device name and current health state for each service. This widget controls what data appears in the other widgets. To view dashboard data for an ELB, select its checkbox. You can select more than one ELB at a time.
- ***Latency.*** A graph displaying the latency across the selected ELB during the selected time period.
- ***HTTP Codes.*** A graph displaying the average number of HTTP response codes generated by instances registered with the selected ELB during the selected time period.
- ***Host Counts.*** A graph displaying the average number of instances registered with the selected ELB during the selected time period.
- ***Counts.*** A graph displaying the average number of requests completed or connections made to the instances registered with the selected ELB during the selected time period.

AWS EMR Performance Dashboard

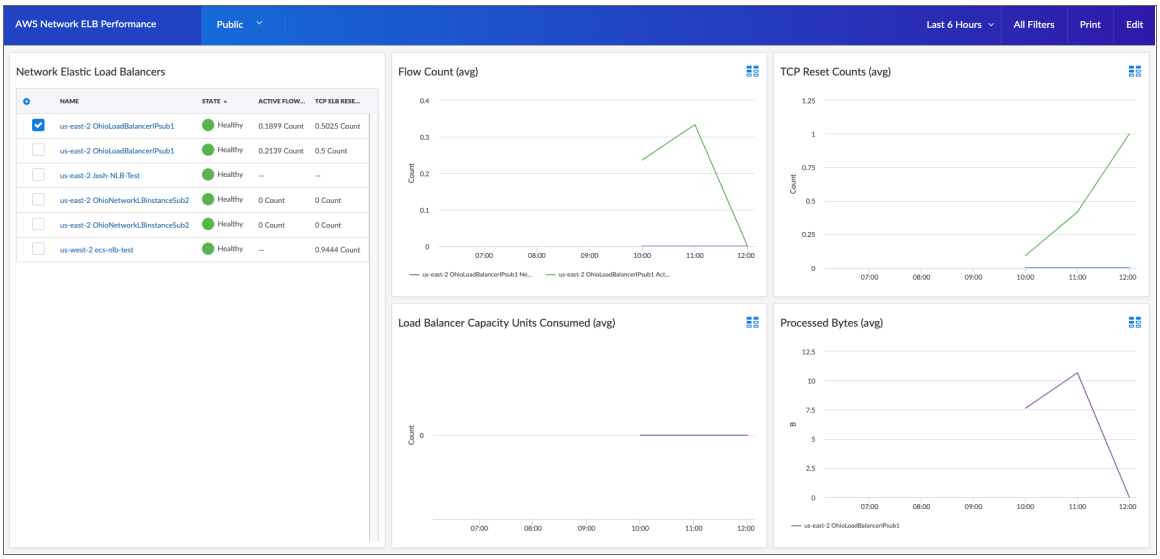
The "AWS EMR Performance" dashboard provides summary information about your AWS Elastic MapReduce (EMR) clusters:

This dashboard includes the following widgets:

- ***Elastic MapReduce Clusters List.*** A list of available EMR clusters that displays the device name and current health state for each cluster. This widget controls what data appears in the other widgets. To view dashboard data for a cluster, select its checkbox. You can select more than one cluster at a time.
- ***Core Running & Pending Nodes.*** A graph displaying the average number of core nodes working or waiting to be assigned in the selected cluster during the selected period of time.
- ***Running Reduce & Map Tasks.*** A graph displaying the number of reduce and map tasks for each job in the selected cluster during the selected time period.
- ***Hadoop Read/Write Bytes.*** A graph displaying the average number of bytes read from and written to all Hadoop filesystems during the selected time period.
- ***Running & Failed Jobs.*** A graph displaying the number of running and failed jobs on the selected cluster during the selected time period.

AWS Network ELB Performance Dashboard

The "AWS Network ELB Performance" dashboard provides summary information about your AWS Network Elastic Load Balancing (ELB) services:



This dashboard includes the following widgets:

- ***Network Elastic Load Balancers.*** A list of available Network ELBs that displays the device name and current health state for each ELB. This widget controls what data appears in the other widgets. To view dashboard data for an ELB, select its checkbox. You can select more than one ELB at a time.
- ***Flow Count.*** A graph displaying the average number of concurrent TCP flows (or connections) from clients to targets for the selected load balancer during the selected time period.
- ***TCP Reset Count.*** A graph displaying the average number of reset (RST) packets generated by the selected load balancer during the selected time period.
- ***Load Balancer Capacity Units Consumed.*** A graph displaying the average number of load balancer capacity units (LCU) used by the selected load balancer during the selected time period.
- ***Processed Bytes.*** A graph displaying the average number of bytes processed by the selected load balancer during the selected time period.

AWS RDS Performance Dashboard

The "AWS RDS Performance" dashboard provides summary information about your AWS Relational Database Service (RDS) instances:

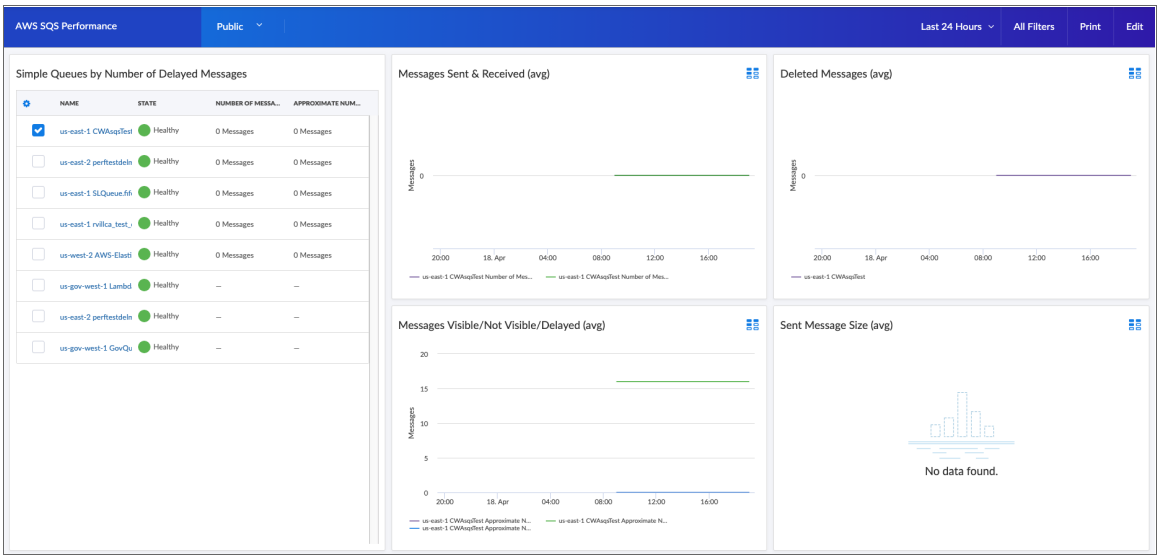
This dashboard includes the following widgets:

- ***Relational Database Instances.*** A list of available RDS instances that displays the device name and current health state for each instance. This widget controls what data appears in the other widgets. To view dashboard data for an instance, select its checkbox. You can select more than one instance at a time.
- ***IOPs.*** A graph displaying the average read and write input/output operations per second for the selected database instance during the selected time period.

- ***Freeable Memory.*** A graph displaying the average available random access memory on the selected instance during the selected time period.
- ***Read & Write Throughput.*** A graph displaying the average number of bytes read from and written to disk per second on the selected database instance during the selected time period.
- ***Read & Write Latencies.*** A graph displaying the average amount of time taken for read and write operations on the selected database instance during the selected time period.

AWS SQS Performance Dashboard

The "AWS SQS Performance" dashboard provides summary information about your AWS Simple Queue Service (SQS) instances:



This dashboard includes the following widgets:

- ***Simple Queues by Number of Delayed Messages.*** A list of available SQS instances, sorted by number of delayed messages, that displays the device name and current health state for each instance. This widget controls what data appears in the other widgets. To view dashboard data for an instance, select its checkbox. You can select more than one instance at a time.
- ***Messages Sent & Received.*** A graph displaying the average number of messages added to or returned by calls to the selected queue during the selected time period.
- ***Deleted Messages.*** A graph displaying the average number of messages deleted from the selected queue during the selected time period.
- ***Messages Visible/Not Visible/Delayed.*** A graph displaying the approximate average number of messages available for retrieval from the queue, sent to a client but not yet deleted, or delayed and not available for reading immediately in the selected queue during the selected time period.
- ***Sent Message Size.*** A graph displaying the average size of messages added to the selected queue during the selected time period.

AWS Storage Gateway Performance Dashboard

The "AWS Storage Gateway Performance" dashboard provides summary information about your AWS storage gateway devices:

This dashboard includes the following widgets:

- ***Storage Gateways.*** A list of available storage gateways that displays the device name and current health state for each device. This widget controls what data appears in the other widgets. To view dashboard data for a device, select its checkbox. You can select more than one device at a time.
- ***Read & Write Times.*** A graph displaying the average number of milliseconds spent to do read or write operations from your on-premises applications for all volumes in the selected storage gateway during the selected time period.
- ***Cloud Bytes Uploaded & Downloaded.*** A graph displaying the average number of compressed bytes that the selected gateway uploaded to or downloaded from AWS during the selected time period.
- ***Working Storage Used.*** A graph displaying the average number of bytes being used in the selected gateway's upload buffer during the selected time period.
- ***Working Storage Free.*** A graph displaying the average amount of unused space in the selected gateway's working storage during the selected time period.

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