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statistics volume commands

statistics volume show

Volume throughput and latency metrics

Availability: This command is available to cluster and Vserver administrators at the admin privilege level.

Description

This command continuously displays performance data for volumes at a regular interval. The command output displays data in the following columns:

- Volume - volume name.
- Vserver - vserver name.
- Aggregate - aggregate name.
- Total Ops - total number of operations per second.
- Read Ops - read operations per second.
- Write Ops - write operations per second.
- Other Ops - other operations per second.
- Read (Bps) - read throughput in bytes per second.
- Write (Bps) - write throughput in bytes per second.
- Latency(us) - average latency for an operation in microseconds.

Parameters

[-volume <text>] - Volume
  Selects the volume for which you want to display performance data.

[-vserver <vserver name>] - Vserver
  Selects the vserver for which you want to display performance data.

[-aggregate <text>] - Aggregate
  Selects the aggregate for which you want to display performance data.

[-sort-key <text>] - Column to Sort By
  If this parameter is specified, the command displays statistics sorted by the specified column.

-interval <integer> - Interval
  Specifies, in seconds, the interval between statistics updates. The default setting is 5 seconds.

-iterations <integer> - Iterations
  Specifies the number of iterations the command runs before terminating. The default setting is 1. If the number is 0 (zero), the command continues to run until you interrupt it by pressing Ctrl-C.
-max <integer> - Maximum Number of Instances

Specifies the maximum number of volumes to display. The default setting is 25.

Examples

The following example displays volume statistics:

```
cluster1::> statistics volume show
cluster1 : 12/31/2013 16:00:04

<table>
<thead>
<tr>
<th>Volume</th>
<th>Vserver</th>
<th>Aggregate</th>
<th>Total</th>
<th>Read</th>
<th>Write</th>
<th>Other</th>
<th>Read (Bps)</th>
<th>Write (Bps)</th>
<th>Latency (us)</th>
</tr>
</thead>
<tbody>
<tr>
<td>vol0</td>
<td>-</td>
<td>aggr0</td>
<td>58</td>
<td>13</td>
<td>15</td>
<td>29</td>
<td>310585</td>
<td>3014</td>
<td>39</td>
</tr>
<tr>
<td>vol0</td>
<td>-</td>
<td>aggr0_n0</td>
<td>56</td>
<td>0</td>
<td>11</td>
<td>45</td>
<td>8192</td>
<td>28826</td>
<td>47</td>
</tr>
</tbody>
</table>
```