



# ListVolumeStatsByVolume

Element Software

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# Table of Contents

- ListVolumeStatsByVolume ..... 1
  - Parameter ..... 1
  - Return value ..... 1
  - Request example ..... 1
  - Response example ..... 1
  - New since version ..... 3

# ListVolumeStatsByVolume

You can use the `ListVolumeStatsByVolume` method to list high-level activity measurements for every volume, by volume. Values are cumulative from the creation of the volume.

## Parameter

This method has the following input parameter:

Name	Description	Type	Default value	Required
<code>includeVirtualVolumes</code>	Virtual volumes are included in the response by default. To exclude virtual volumes, set to false.	boolean	true	No

## Return value

This method has the following return value:

Name	Description	Type
<code>volumeStats</code>	List of volume activity information.	<a href="#">volumeStats</a> array

## Request example

Requests for this method are similar to the following example:

```
{
  "method": "ListVolumeStatsByVolume",
  "params": {},
  "id" : 1
}
```

## Response example

This method returns a response similar to the following example:

```
{
  "id": 1,
  "result": {
```

```
"volumeStats": [
  {
    "accountID": 3,
    "actualIOPS": 0,
    "asyncDelay": null,
    "averageIOPSize": 4096,
    "burstIOPSCredit": 30000,
    "clientQueueDepth": 0,
    "desiredMetadataHosts": null,
    "latencyUsec": 0,
    "metadataHosts": {
      "deadSecondaries": [],
      "liveSecondaries": [
        16
      ],
      "primary": 12
    },
    "nonZeroBlocks": 7499205,
    "readBytes": 159012818944,
    "readBytesLastSample": 0,
    "readLatencyUsec": 0,
    "readOps": 38821489,
    "readOpsLastSample": 0,
    "samplePeriodMsec": 500,
    "throttle": 0,
    "timestamp": "2016-10-17T20:55:31.087537Z",
    "unalignedReads": 0,
    "unalignedWrites": 0,
    "volumeAccessGroups": [
      1
    ],
    "volumeID": 1,
    "volumeSize": 53687091200,
    "volumeUtilization": 0,
    "writeBytes": 52992585728,
    "writeBytesLastSample": 0,
    "writeLatencyUsec": 0,
    "writeOps": 12937643,
    "writeOpsLastSample": 0,
    "zeroBlocks": 5607995
  }
]
}
```

# New since version

9.6

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