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| interface | Getting controller state |
| method | GET |

| option parameter | type | required | overview | remarks |
|------------------|--------|----------|----------------------------|---|
| controller | string | N | target controller | "fc": FC "ec": EC "em": EM In case of multiple, concatenate with "+" ex) controller=fc+ec+em If you don't specify, all controllers are subject to acquisition. |
| cluster | string | N | | |
| get_info | string | N | information to be acquired | "os-cpu": CPU utilization of operation system "os-mem": memory usage of operation system "os-disk": disk usage of operation system "os-traffic": TX/RX traffic of operation system "ctr-cpu": CPU utilization of controller "ctr-mem": memory usage of controller "ctr-state": controller status "ctr-receive_req": number of received REST requests "ctr-send_req": number of transmit REST requests In case of multiple, concatenate with "+" ex) get_info=os-cpu+os-mem+ctr-state If you don't specify, all controllers are subject to acquisition. |

URI /v1/MSFcontroller/status

| message | code | body | type | required | null | empty array | overview | remarks |
|---------|------|------------------------------|----------|----------|------|-------------|--|--|
| request | - | - | - | - | - | - | - | - |
| | | service_status | string | N | Y | | Service activation state of the controller as a whole. When the service start state of all controllers is activated, "start" is returned. Otherwise it returns | "Running": activation "Warning": warning Required if "ctr-state" is specified in acquisition information, if acquisition information is omitted |
| | | controller_service_statuses | object[] | N | Y | N | Each controller and its service activation state | Required when the service activation state of the controller as a whole is "warning" |
| | | controller_type | string | Y | N | | Controller type | "fc": FC "ec": EC "em": EM |
| | | cluster_id | string | N | Y | | コントローラが管理するクラスターID | - |
| | | status | object | Y | N | | - | - |
| | | service_status | string | Y | N | | Service activation state | "start-up in progress": Preparing to start up "running": activation "shutdown in progress": Preparing to stop "system switching": Switching system "unknown": Service start state unknown * 1 * 1 If the controller status can not be acquired, the status under that controller status is returned as unknown service activation status |
| | | blockade_status | string | N | Y | | Maintenance shutdown status of the entire controller. When all the controllers are in a maintenance shutdown state with no closure, "No blockage" is returned. If there is even one controller with blocking, "closed" is returned. | "blockade": blocked "none": no obstruction Required if "ctr-state" is specified in acquisition information, if acquisition information is omitted |
| | | controller_blockade_statuses | object[] | N | Y | N | Each controller and its maintenance shutdown state | Required when the maintenance shutdown status of the controller as a whole is "blockade" |
| | | controller_type | string | Y | N | | Controller type | "fc": FC "ec": EC "em": EM |
| | | cluster_id | string | N | Y | | Cluster ID managed by the controller | - |
| | | status | object | N | Y | | - | - |
| | | blockade_status | string | Y | N | | Maintenance blocked state | "blockade": blocked "none": no obstruction * Required if controller type is not "em" |
| | | audit_status | string | Y | N | | Data consistency state | Not applicable in this version "Consistency": consistency "Inconsistency": inconsistency "Executing": Matching |
| | | backup_status | string | Y | N | | Backup processing state | Not applicable in this version "Not running": Not executed "Running": Backing up |
| | | informations | object[] | N | Y | x | OS or controller acquisition information | Required if one of the following is specified in acquisition information "os-cpu": OS CPU usage "os-mem": OS memory usage "os-disk": OS disk usage "os-traffic": OS's NW communication traffic volume (receive / transmit) "ctr-cpu": CPU usage of controller "ctr-mem": memory usage of controller "ctr-receive_req": Number of REST requests received by the controller "ctr-send_req": Number of REST requests sent by the controller When specification of acquisition information is omitted |

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|---|-----|-----------------------|-----------|---|---|---|--|--|
| response | 200 | controller_type | string | Y | N | | Controller type | "fc": FC "ec": EC "em": EM |
| | | cluster_id | string | N | Y | | Cluster ID managed by the controller | - |
| | | host_name | string | Y | N | | Host name of the controller | - |
| | | management_ip_address | string | Y | N | | Controller's management IP address | - |
| | | os | object | N | Y | | Server machine resource information | Required if one of the following is specified in acquisition information "os-cpu": OS CPU usage "os-mem": OS memory usage "os-disk": OS disk usage "os-traffic": OS's NW communication traffic volume (receive / transmit) When specification of acquisition information is omitted |
| | | cpu | object | N | Y | | CPU utilization per unit time | Required if the following information is specified in acquisition information "os-cpu": OS CPU usage When specification of acquisition information is omitted |
| | | use_rate | float | Y | N | | CPU usage of the entire OS | Unit:[%] If information can not be acquired, -1 |
| | | memory | object | N | Y | | Memory usage at a specific time | Required if the following information is specified in acquisition information "os-mem": OS memory usage When specification of acquisition information is omitted |
| | | used | int | Y | N | | Amount of memory used | Unit: [KB] If information can not be acquired, -1 |
| | | free | int | Y | N | | Amount of free memory | Unit: [KB] If information can not be acquired, -1 |
| | | buff_cache | int | Y | N | | Amount of memory allocated for buffer cache and page cache | Unit: [KB] If information can not be acquired, -1 |
| | | swpd | int | Y | N | | Amount of virtual memory used | Unit: [KB] If information can not be acquired, -1 |
| | | disk | object | N | Y | | HDD usage at a specific time | Required if the following information is specified in acquisition information "os-disk": OS disk usage When specification of acquisition information is omitted |
| | | devices | object[] | N | Y | N | Device unit information | Optional if information could not be obtained |
| | | file_system | string | Y | N | | Name of the device where the file system is located | - |
| | | mounted_on | string | Y | N | | Mount point | - |
| | | size | int | Y | N | | Total usable capacity in file system | Unit: [KB] |
| | | used | int | Y | N | | Capacity used | Unit: [KB] |
| | | avail | int | Y | N | | Usable capacity | Unit: [KB] |
| | | traffic | object | N | Y | | Traffic volume per unit time | Required if the following information is specified in acquisition information "os-traffic": OS's NW communication traffic volume (receive / transmit) When specification of acquisition information is omitted |
| | | interfaces | object[] | N | Y | N | Information per interface | Optional if information could not be obtained |
| | | ifname | string | Y | N | | Interface name | - |
| | | rxpck | float | Y | N | | Number of packets received per second | Unit: [packet / s] |
| | | txpck | float | Y | N | | Number of packets sent per second | Unit: [packet / s] |
| | | rxkb | float | Y | N | | Number of bytes received per second | Unit: [KB / s] |
| | | txkb | float | Y | N | | Number of bytes sent per second | Unit: [KB / s] |
| | | controller | object | N | Y | | Information on controllers | Required if one of the following is specified in acquisition information "ctr-cpu": CPU usage of controller "ctr-mem": memory usage of controller "ctr-receive_req": Number of REST requests received by the controller "ctr-send_req": Number of REST requests sent by the controller When specification of acquisition information is omitted |
| | | cpu | float | N | Y | | CPU utilization per unit time (CPU usage rate of controller process) | Required if the following information is specified in acquisition information "ctr-cpu": CPU usage of controller When specification of acquisition information is omitted Unit:[%] If information can not be acquired, -1 |
| | | memory | int | N | Y | | Memory usage at a specific time (memory usage of controller process) | Required if the following information is specified in acquisition information "ctr-mem": memory usage of controller When specification of acquisition information is omitted Unit: [KB] If information can not be acquired, -1 |
| | | receive_request | int | N | Y | | Received REST requests per unit time | Required if the following information is specified in acquisition information "ctr-receive_req": Number of REST requests received by the controller When specification of acquisition information is omitted If information can not be acquired, -1 |
| | | send_request | int | N | Y | | Number of transmission REST requests | Required if the following information is specified in acquisition information "ctr-send_req": Number of REST requests sent by the controller When specification of acquisition information is omitted If information can not be acquired, -1 |
| Refer to the "Error response format" sheet for error response | | | | | | | | |

Body uses JSON format.