

interface	Getting controller state
method	GET

option	parameter	type	required	overview	remarks
	controller	string	x	target controller	"mfc":MFC "fc":FC "ec":EC "em":EM Incase of multiple, concatenate with "+" ex) controller=fc+ec+em If you don't specified, all controllers are subject to acquisition.
	cluster	string	x	target cluster	Incase of multiple, concatenate with "+" ex) cluster=1+2 If you don't specified, all controllers are subject to acquisition.
	get_info	string	x	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 Incase of multiple, concatenate with "+" ex) get_info=os-cpu+os-mem+ctr-state If you don't specified, all controllers are subject to acquisition.

URI	/v1/MSFcontroller/status
-----	--------------------------

message	code	body	type	required	null	empty array	overview	remarks
request			-	-	-	-		
		service_status	string	x	○		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[]	x	○	x	Each controller and its service activation state	Required when the service activation state of the controller as a whole is "warning"
		controller_type	string	○	x		Controller type	"mfc": MFC "fc": FC "ec": EC "em": EM
		cluster_id	string	x	○		Cluster ID managed by the controller	Optional for MFC
		status	object	○	x			-
		service_status	string	○	x		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	x	○		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[]	x	○	x	Each controller and its maintenance shutdown state	Required when the maintenance shutdown status of the controller as a whole is "blockade"
		controller_type	string	○	x		Controller type	"mfc": MFC "fc": FC "ec": EC "em": EM
response	200	cluster_id	string	x	○		Cluster ID managed by the controller	Optional for MFC
		status	object	x	○			-
		blockade_status	string	○	x		Maintenance blocked state	"blockade": blocked "none": no obstruction * Required if controller type is not "em"
		audit_status	string	○	x		Data consistency state	Not applicable in this version "Consistency": consistency "Inconsistency": inconsistency "Executing": Matching
		backup_status	string	○	x		Backup processing state	Not applicable in this version "Not running": Not executed "Running": Backing up
		informations	object[]	x	○	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
		controller_type	string	○	x		Controller type	"mfc": MFC "fc": FC "ec": EC "em": EM
		cluster_id	string	x	○		Cluster ID managed by the controller	Optional for MFC
		host_name	string	○	x		Host name of the controller	-
		management_ip_address	string	○	x		Controller's management IP address	-
response	200	os	object	x	○		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	x	○		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	○	x		CPU usage of the entire OS	Unit: [%] If information can not be acquired, -1
		memory	object	x	○		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	○	x		Amount of memory used	Unit: [KB] If information can not be acquired, -1
		free	int	○	x		Amount of free memory	Unit: [KB] If information can not be acquired, -1
		buff_cache	int	○	x		Amount of memory allocated for buffer cache and page cache	Unit: [KB] If information can not be acquired, -1
		swpd	int	○	x		Amount of virtual memory used	Unit: [KB] If information can not be acquired, -1
		disk	object	x	○		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[]	x	○	x	Device unit information	Optional if information could not be obtained
response	200	file_system	string	○	x		Name of the device where the file system is located	-
		mounted_on	string	○	x		Mount point	-
		size	int	○	x		Total usable capacity in file system	Unit: [KB]
		used	int	○	x		Capacity used	Unit: [KB]
		avail	int	○	x		Usable capacity	Unit: [KB]
		traffic	object	x	○		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[]	x	○	x	Information per interface	Optional if information could not be obtained
		ifname	string	○	x		Interface name	-
		rxpck	float	○	x		Number of packets received per second	Unit: [packet / s]
		txpck	float	○	x		Number of packets sent per second	Unit: [packet / s]
response	200	rxkb	float	○	x		Number of bytes received per second	Unit: [KB / s]
		txkb	float	○	x		Number of bytes sent per second	Unit: [KB / s]
		controller	object	x	○		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	x	○		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
		memory	int	x	○		Memory usage at a specific time (memory usage of controller process)	Unit: [KB] If information can not be acquired, -1
		receive_request	int	x	○		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
		send_request	int	x	○		Number of transmission REST requests	Unit: [KB / s] If information can not be acquired, -1
								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
								Unit: [KB / s] If information can not be acquired, -1
								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

Body uses JSON format.