NPM System Health v1.1

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Resource: health_node

A monitored health node

http://{device}/api/npm.health/1.1/health_nodes/items/{id}

JSON

```json
{
  "alert_definition": {
    "alert_severities": [ severity ],
    "alert_type": string,
    "notification_id": any
  },
  "category": string,
  "children": [
    string
  ],
  "current_alert": {
    "severity": {
      "level": integer,
      "name": string
    },
    "status_message": string,
    "timestamp": integer,
    "violations": [
      {
        "name": string,
        "severity": severity
      }
    ]
  },
  "description": string,
  "id": string,
  "name": string,
  "parameters": [ health_parameter ],
  "parent_id": string
}
```

Property Name	Type	Description	Notes
health_node	<object>	A monitored health node	Required properties: [id, parent_id, children, name, description, category, alert_definition, parameters];
health_node.alert_definition	<object>	Information about the alerts that may be sent as a result of problems with this health area.	Read-only; Required properties: [notification_id, alert_type, alert_severities];
health_node.alert_definition. alert_severities	<array of <severity>>	List of supported notification severities	Read-only;
health_node.alert_definition. alert_severities[items]	<severity>	The severity of an alert	
health_node.alert_definition.alert_type	<string>	Type of alert this node generates	Read-only; Values: continuous, discrete, unknown;
health_node.alert_definition. notification_id	<any>	The npm.usernotify notification_id used when sending notifications of a health change for this node. If this is the empty string, this node does not produce alerts or notifications.	Read-only;
health_node.category	<string>	Category this node belongs to	Read-only;
health_node.children	<array of <string>>	A list of node identifiers for which this node is a parent	Read-only;
health_node.children[items]	<string>	The identifier of a child node	Read-only;
health_node.current_alert	<object>	If present, the node is currently in an alert state	Read-only; Required properties: [severity, status_message, violations]; Optional;
severity	<object>	The current severity of the node	Required properties: [level, name];
severity.level	<integer>	The severity level. Higher is more severe.	
severity.name	<string>	Name of the severity	
health_node.current_alert.status_message	<string>	Message describing the reason for the alert	Read-only;
health_node.current_alert.timestamp	<integer>	Time, in UTC seconds, when the node entered this alert state	Read-only; Optional;
health_node.current_alert.violations	<array of <object>>	Violations causing this alert	Read-only;
health_node.current_alert.violations [items]	<object>	One health node violation	Read-only; Required properties: [name, severity];

health_node.current_alert.violations [items].name	*\<string\>*	The name of the sub-object in violation	Read-only;
health_node.current_alert.violations [items].severity	*\<severity\>*	The severity of an alert	
health_node.description	*\<string\>*	The description of this node	Read-only;
health_node.id	*\<string\>*	Internal dotted ID of this health node	Read-only;
health_node.name	*\<string\>*	The name of this node	Read-only;
health_node.parameters	*\<array of \<health_parameter\>\>*	Configurable parameters used to analyze the health of this node	
health_node.parameters[items]	*\<health_parameter\>*	A user-configurable parameter affecting health node behavior	
health_node.parent_id	*\<string\>*	The identifier of this node's immediate parent, if any	Read-only;

Links

health_node: get

GET http://{device}/api/npm.health/1.1/health_nodes/items/{id}

Response Body
Returns a health_node data object.

health_node: set

PUT http://{device}/api/npm.health/1.1/health_nodes/items/{id}

Request Body
Provide a health_node data object.

Response Body
Returns a health_node data object.

Relations

health_node: instances

All health nodes

Related resource
health_nodes

Resource: health_nodes

Available health nodes

http://{device}/api/npm.health/1.1/health_nodes

JSON

```
{
  "items": [ health_node ]
}
```

Property Name	Type	Description	Notes
health_nodes	*\<object\>*	Available health nodes	Required properties: [items];
health_nodes.items	*\<array of \<health_node\>\>*	A single health node	
health_nodes.items[items]	*\<health_node\>*	A monitored health node	

Links

health_nodes: get

GET http://{device}/api/npm.health/1.1/health_nodes

Response Body
Returns a [health_nodes](#) data object.

Type: health_parameter

A user-configurable parameter affecting health node behavior

JSON

```json
{
  "default_value": multiple,
  "description": string,
  "id": string,
  "name": string,
  "parameter_type": string,
  "validations": [ parameter_validation ],
  "value": multiple
}
```

Property Name	Type	Description	Notes
health_parameter	<object>	A user-configurable parameter affecting health node behavior	Required properties: [id, parameter_type, name, description, value, default_value, validations];
health_parameter.default_value	<multiple>	Default parameter value	Read-only;
health_parameter.default_value.anyOf[0]	<integer>		Read-only;
health_parameter.default_value.anyOf[1]	<number>		Read-only;
health_parameter.default_value.anyOf[2]	<boolean>		Read-only;
health_parameter.description	<string>	Explanatory text for this value	Read-only;
health_parameter.id	<string>	Internal identifier for this value	Read-only;
health_parameter.name	<string>	Human name of this parameter	Read-only;
health_parameter.parameter_type	<string>	Basic type identifier of this value	Read-only; Values: integer, number, boolean;
health_parameter.validations	<array of <parameter_validation>>	A list of validations constraining this value	Read-only;
health_parameter.validations[items]	<parameter_validation>	A validation operation to constrain a value	
health_parameter.value	<multiple>	Current parameter value	
health_parameter.value.anyOf[0]	<integer>		
health_parameter.value.anyOf[1]	<number>		
health_parameter.value.anyOf[2]	<boolean>		
health_parameter.oneOf[0]	<object>		
health_parameter.oneOf[0].default_value	<integer>		Optional;
health_parameter.oneOf[0].parameter_type	<string>		Optional; Values: integer;
health_parameter.oneOf[0].value	<integer>		Optional;
health_parameter.oneOf[0].<prop>	<any>		Optional;
health_parameter.oneOf[1]	<object>		
health_parameter.oneOf[1].default_value	<number>		Optional;
health_parameter.oneOf[1].parameter_type	<string>		Optional; Values: number;
health_parameter.oneOf[1].value	<number>		Optional;
health_parameter.oneOf[1].<prop>	<any>		Optional;
health_parameter.oneOf[2]	<object>		
health_parameter.oneOf[2].default_value	<boolean>		Optional;
health_parameter.oneOf[2].parameter_type	<string>		Optional; Values: boolean;
health_parameter.oneOf[2].value	<boolean>		Optional;
health_parameter.oneOf[2].<prop>	<any>		Optional;

Type: parameter_validation

A validation operation to constrain a value

JSON

```
{
  "validation": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
parameter_validation	*<object>*	A validation operation to constrain a value	Required properties: [validation];
*parameter_validation.*validation	*<string>*	The base type of validation to perform	Values: range, parameter;
parameter_validation.<prop>	*<any>*		Optional;
*parameter_validation.*oneOf[0]	*<object>*	Numeric range validation	Required properties: [validation];
*parameter_validation.*oneOf[0].maximum	*<number>*	Optional inclusive maximum allowed numeric value	Optional;
*parameter_validation.*oneOf[0].minimum	*<number>*	Optional inclusive minimum allowed numeric value	Optional;
*parameter_validation.*oneOf[0].validation	*<string>*	Type of validation rule	Values: range;
*parameter_validation.*oneOf[1]	*<object>*	Constrain this value against another parameter	Required properties: [validation, id, constraint];
*parameter_validation.*oneOf[1].constraint	*<string>*	Type of constraint	Values: greater_than, less_than;
*parameter_validation.*oneOf[1].id	*<string>*	Parameter to validate against	
*parameter_validation.*oneOf[1].validation	*<string>*	Type of validation rule	Values: parameter;

Type: severity

The severity of an alert

JSON

```
{
  "level": integer,
  "name": string
}
```

Property Name	Type	Description	Notes
severity	*<object>*	The severity of an alert	Required properties: [level, name];
*severity.*level	*<integer>*	The severity level. Higher is more severe.	
*severity.*name	*<string>*	Name of the severity	