



Manage AutoSupport messages

ONTAP 9.6 REST API reference

NetApp
April 02, 2024

Table of Contents

- Manage AutoSupport messages 1
 - Support AutoSupport messages endpoint overview 1
 - Retrieve AutoSupport message history 11
 - Create and send an AutoSupport message 17

Manage AutoSupport messages

Support AutoSupport messages endpoint overview

Overview

This API is used to invoke and retrieve AutoSupport messages from the nodes in the cluster.

This API supports POST and GET calls. A POST call is used to invoke AutoSupport and a GET call is used to retrieve AutoSupport messages.

Examples

Invoking an AutoSupport on all nodes in the cluster

The following example invokes an AutoSupport on every node in the cluster. Note that AutoSupport is invoked on all nodes in the cluster if the `node` param is omitted. Also, note that the `subject` line is the same when invoking on all nodes.

By default, the response is an empty object. If `return_records=true` is passed in the request, the response includes information about the node and the index of the invoked AutoSupport message.

```
# The API:
POST /support/autosupport/messages

# The call:
curl -X POST "https://<mgmt-
ip>/api/support/autosupport/messages?return_records=true" -H "accept:
application/hal+json" -H "Content-Type: application/json" -d "{
  \"message\": \"test_msg\", \"type\": \"all\"}"

# The response:
201 CREATED
{
  "num_records": 2,
  "records": [
    {
      "index": 4,
      "node": {
        "name": "node1",
        "uuid": "092e0298-f250-11e8-9a05-005056bb6666",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/092e0298-f250-11e8-9a05-
005056bb6666"
          }
        }
      }
    }
  ]
}
```

```

    }
  },
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/092e0298-f250-11e8-9a05-005056bb6666/4"
    }
  }
},
{
  "index": 2,
  "node": {
    "name": "node2",
    "uuid": "e47d2630-f250-11e8-b186-005056bb5cab",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/e47d2630-f250-11e8-b186-005056bb5cab"
      }
    }
  },
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/e47d2630-f250-11e8-b186-005056bb5cab/2"
    }
  }
}],
"_links": {
  "self": {
    "href": "/api/support/autosupport/messages/"
  }
}
}
}

```

Invoking an AutoSupport on a single node

The following examples invoke an AutoSupport on a single node in the cluster. Note that AutoSupport is invoked on all nodes in the cluster if the `node` param is omitted. You can specify the node-name with either `node` or `node.name` parameter. You can also specify UUID of the node with the `node.uuid` parameter.

By default, the response is an empty object. If `return_records=true` is passed in the request, the response includes information about the node and the index of the invoked AutoSupport message.

```

# The API:
POST /support/autosupport/messages

# The call:
curl -X POST "https://<mgmt-
ip>/api/support/autosupport/messages?return_records=true" -H "accept:
application/hal+json" -H "Content-Type: application/json" -d "{
 \"message\": \"test_msg\", \"type\": \"test\", \"node\": \"node1\"}"

# The response:
201 CREATED
{
  "num_records": 1,
  "records": [
    {
      "index": 8,
      "node": {
        "name": "node1",
        "uuid": "092e0298-f250-11e8-9a05-005056bb6666",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/092e0298-f250-11e8-9a05-
005056bb6666"
          }
        }
      },
      "_links": {
        "self": {
          "href": "/api/support/autosupport/messages/092e0298-f250-11e8-
9a05-005056bb6666/8"
        }
      }
    }
  ],
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/"
    }
  }
}

# The call:
curl -X POST "https://<mgmt-
ip>/api/support/autosupport/messages?return_records=true" -H "accept:
application/hal+json" -H "Content-Type: application/json" -d "{
 \"message\": \"test_msg\", \"type\": \"test\", \"node.name\": \"node2\"}"

```

```

# The response:
201 CREATED
{
  "num_records": 1,
  "records": [
    {
      "index": 4,
      "node": {
        "name": "node2",
        "uuid": "e47d2630-f250-11e8-b186-005056bb5cab",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/e47d2630-f250-11e8-b186-005056bb5cab"
          }
        }
      },
      "_links": {
        "self": {
          "href": "/api/support/autosupport/messages/e47d2630-f250-11e8-b186-005056bb5cab/4"
        }
      }
    }
  ],
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/"
    }
  }
}

# The call:
curl -X POST "https://<mgmt-ip>/api/support/autosupport/messages?return_records=true" -H "accept: application/hal+json" -H "Content-Type: application/json" -d '{"message": "test_msg", "type": "test", "node.uuid": "092e0298-f250-11e8-9a05-005056bb6666"}'

# The response:
201 CREATED
{
  "num_records": 1,
  "records": [
    {

```

```

    "index": 5,
    "node": {
      "name": "node1",
      "uuid": "092e0298-f250-11e8-9a05-005056bb6666",
      "_links": {
        "self": {
          "href": "/api/cluster/nodes/092e0298-f250-11e8-9a05-005056bb6666"
        }
      }
    },
    "_links": {
      "self": {
        "href": "/api/support/autosupport/messages/092e0298-f250-11e8-9a05-005056bb6666/5"
      }
    }
  ],
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/"
    }
  }
}

```

Retrieving AutoSupport messages from all nodes in the cluster

The following example retrieves AutoSupport messages from every node in the cluster. Note that if the *fields=** parameter is not specified, only node, index, and destination fields are returned. Filters can be added on the fields to limit the results.

```

# The API:
GET /support/autosupport/messages

# The call:
curl -X GET "https://<mgmt-
ip>/api/support/autosupport/messages?fields=*&return_timeout=15" -H
"accept: application/hal+json"

# The response:
200 OK
{
  "records": [

```

```

{
  "node": {
    "uuid": "092e0298-f250-11e8-9a05-005056bb6666",
    "name": "node1",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/092e0298-f250-11e8-9a05-005056bb6666"
      }
    }
  },
  "index": 1,
  "destination": "smtp",
  "subject": "USER_TRIGGERED (TEST:test_msg)",
  "state": "ignore",
  "generated_on": "2019-03-28T10:18:04-04:00",
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/092e0298-f250-11e8-9a05-005056bb6666/1/smtp"
    }
  }
},
{
  "node": {
    "uuid": "092e0298-f250-11e8-9a05-005056bb6666",
    "name": "node1",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/092e0298-f250-11e8-9a05-005056bb6666"
      }
    }
  },
  "index": 1,
  "destination": "http",
  "subject": "USER_TRIGGERED (TEST:test_msg)",
  "state": "sent_successful",
  "generated_on": "2019-03-28T10:18:04-04:00",
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/092e0298-f250-11e8-9a05-005056bb6666/1/http"
    }
  }
},

```



```
{
  "node": {
    "uuid": "092e0298-f250-11e8-9a05-005056bb6666",
    "name": "node1",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/092e0298-f250-11e8-9a05-005056bb6666"
      }
    }
  },
  "index": 1,
  "destination": "noteto",
  "subject": "USER_TRIGGERED (TEST:test_msg)",
  "state": "ignore",
  "generated_on": "2019-03-28T10:18:04-04:00",
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/092e0298-f250-11e8-9a05-005056bb6666/1/noteto"
    }
  }
},
{
  "node": {
    "uuid": "e47d2630-f250-11e8-b186-005056bb5cab",
    "name": "node2",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/e47d2630-f250-11e8-b186-005056bb5cab"
      }
    }
  },
  "index": 1,
  "destination": "smtp",
  "subject": "USER_TRIGGERED (TEST:test_msg)",
  "state": "ignore",
  "generated_on": "2019-03-28T10:18:06-04:00",
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/e47d2630-f250-11e8-b186-005056bb5cab/1/smtp"
    }
  }
},
}
```

```

{
  "node": {
    "uuid": "e47d2630-f250-11e8-b186-005056bb5cab",
    "name": "node2",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/e47d2630-f250-11e8-b186-005056bb5cab"
      }
    }
  },
  "index": 1,
  "destination": "http",
  "subject": "USER_TRIGGERED (TEST:test_msg)",
  "state": "sent_successful",
  "generated_on": "2019-03-28T10:18:06-04:00",
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/e47d2630-f250-11e8-b186-005056bb5cab/1/http"
    }
  }
},
{
  "node": {
    "uuid": "e47d2630-f250-11e8-b186-005056bb5cab",
    "name": "node2",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/e47d2630-f250-11e8-b186-005056bb5cab"
      }
    }
  },
  "index": 1,
  "destination": "noteto",
  "subject": "USER_TRIGGERED (TEST:test_msg)",
  "state": "ignore",
  "generated_on": "2019-03-28T10:18:06-04:00",
  "_links": {
    "self": {
      "href": "/api/support/autosupport/messages/e47d2630-f250-11e8-b186-005056bb5cab/1/noteto"
    }
  }
}
}

```

```
],
"num_records": 6,
"_links": {
  "self": {
    "href": "/api/support/autosupport/messages?fields=*&return_timeout=15"
  }
}
}
```

Retrieving AutoSupport messages from a specific node and has 'sent_sucesful' state

The following example retrieves AutoSupport messages from a specific node in the cluster. Note that if the `fields=*` parameter is not specified, only `node`, `index`, and `destination` fields are returned. This example uses a filter on the `node.name` and `state` fields. Similar to this, filters can be added to any fields in the response.

```

# The API:
GET /support/autosupport/messages

# The call:
curl -X GET "https://<mgmt-
ip>/api/support/autosupport/messages?node.name=node1&state=sent_successful
&fields=*&return_timeout=15" -H "accept: application/hal+json"

# The response:
200 OK
{
  "records": [
    {
      "node": {
        "uuid": "092e0298-f250-11e8-9a05-005056bb6666",
        "name": "node1",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/092e0298-f250-11e8-9a05-
005056bb6666"
          }
        }
      },
      "index": 1,
      "destination": "http",
      "subject": "USER_TRIGGERED (TEST:test_msg)",
      "state": "sent_successful",
      "generated_on": "2019-03-28T10:18:04-04:00",
      "_links": {
        "self": {
          "href": "/api/support/autosupport/messages/092e0298-f250-11e8-
9a05-005056bb6666/1/http"
        }
      }
    }
  ],
  "num_records": 1,
  "_links": {
    "self": {
      "href":
"/api/support/autosupport/messages?node.name=node1&state=sent_successful&f
ields=*&return_timeout=15"
    }
  }
}

```

Retrieve AutoSupport message history

GET /support/autosupport/messages

Retrieves AutoSupport message history from all nodes in the cluster.

There can be a short delay on invoked AutoSupport messages showing in history, dependent on processing of other AutoSupports in the queue.

Related ONTAP commands

- `system node autosupport history show`

Learn more

- [DOC /support/autosupport/messages](#)

Parameters

Name	Type	In	Required	Description
node.uuid	string	query	False	Filter by node.uuid
node.name	string	query	False	Filter by node.name
destination	string	query	False	Filter by destination
state	string	query	False	Filter by state
generated_on	string	query	False	Filter by generated_on
index	integer	query	False	Filter by index
subject	string	query	False	Filter by subject
error.message	string	query	False	Filter by error.message
error.code	integer	query	False	Filter by error.code
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.

Name	Type	In	Required	Description
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached.

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[autosupport_message]	List of messages invoked on the node

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 3,
  "records": {
    "destination": "http",
    "error": {
      "code": "53149746",
      "message": "Could not resolve host: test.com"
    },
    "generated_on": "2019-03-25 17:30:04 -0400",
    "index": 9,
    "message": "invoked_test_autosupport_rest",
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    },
    "state": "sent_successful",
    "subject": "WEEKLY_LOG",
    "type": "test",
    "uri": "http://1.2.3.4/delivery_uri"
  }
}
```

Error

Status: Default, Error

Name	Type	Description
error	error	

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

Name	Type	Description
next	href	
self	href	

error

Last error during delivery attempt. Empty if "status=sent-successful".

Name	Type	Description
code	integer	Error code
message	string	Error message

_links

Name	Type	Description
self	href	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

autosupport_message

Name	Type	Description
destination	string	Destination for the AutoSupport
error	error	Last error during delivery attempt. Empty if "status=sent-successful".

Name	Type	Description
generated_on	string	Date and Time of AutoSupport generation in ISO-8601 format
index	integer	Sequence number of the AutoSupport
message	string	Message included in the AutoSupport subject
node	node	
state	string	State of AutoSupport delivery
subject	string	Subject line for the AutoSupport
type	string	Type of AutoSupport collection to issue
uri	string	Alternate destination for the AutoSupport

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Create and send an AutoSupport message

POST /support/autosupport/messages

Generates and sends an AutoSupport message with the provided input parameters.

Important note:

- By default, the response is an empty object. If `return_records=true` is passed in the request, the response includes information about the node and the index of the invoked AutoSupport message.

Recommended optional properties

- `message` - Message included in the AutoSupport subject. Use to identify the generated AutoSupport message.

Default property values

If not specified in POST, the following default property values are assigned:

- `type` - *all*
- `node.name` or `node.uuid` - Not specifying any of these properties invokes the AutoSupport on all nodes in the cluster.

Related ONTAP commands

- `system node autosupport invoke`

Learn more

- [DOC /support/autosupport/messages](#)

Parameters

Name	Type	In	Required	Description
<code>return_records</code>	boolean	query	False	The default is false. If set to true, the records are returned.

Request Body

Name	Type	Description
<code>destination</code>	string	Destination for the AutoSupport
<code>error</code>	error	Last error during delivery attempt. Empty if "status=sent-successful".

Name	Type	Description
generated_on	string	Date and Time of AutoSupport generation in ISO-8601 format
index	integer	Sequence number of the AutoSupport
message	string	Message included in the AutoSupport subject
node	node	
state	string	State of AutoSupport delivery
subject	string	Subject line for the AutoSupport
type	string	Type of AutoSupport collection to issue
uri	string	Alternate destination for the AutoSupport

Example request

```
{
  "destination": "http",
  "error": {
    "code": "53149746",
    "message": "Could not resolve host: test.com"
  },
  "generated_on": "2019-03-25 17:30:04 -0400",
  "index": 9,
  "message": "invoked_test_autosupport_rest",
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "state": "sent_successful",
  "subject": "WEEKLY_LOG",
  "type": "test",
  "uri": "http://1.2.3.4/delivery_uri"
}
```

Response

Status: 201, Created

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[records]	

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 3,
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "index": 9,
    "node": {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "node1",
      "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
    }
  }
}
```

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
53149748	The destination URI provided for the invoked AutoSupport is invalid
655294464	The message parameter is not supported with performance AutoSupports

Name	Type	Description
error	error	

Example error

```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```

Definitions

See Definitions

error

Last error during delivery attempt. Empty if "status=sent-successful".

Name	Type	Description
code	integer	Error code
message	string	Error message

href

Name	Type	Description
href	string	

_links

Name	Type	Description
self	href	

node

Name	Type	Description
_links	_links	
name	string	
uuid	string	

autosupport_message

Name	Type	Description
destination	string	Destination for the AutoSupport
error	error	Last error during delivery attempt. Empty if "status=sent-successful".
generated_on	string	Date and Time of AutoSupport generation in ISO-8601 format
index	integer	Sequence number of the AutoSupport
message	string	Message included in the AutoSupport subject

Name	Type	Description
node	node	
state	string	State of AutoSupport delivery
subject	string	Subject line for the AutoSupport
type	string	Type of AutoSupport collection to issue
uri	string	Alternate destination for the AutoSupport

records

Name	Type	Description
_links	_links	
index	integer	Sequence number of the generated AutoSupport
node	node	

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP "AS IS" AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.