



# Manage AutoSupport messages

## ONTAP 9.7 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

Use this API to invoke and retrieve AutoSupport messages from the nodes in the cluster.

This API supports POST and GET calls. Use a POST call to invoke AutoSupport and a GET call 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` parameter 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` parameter 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. You can add filters 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
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned.
order_by	array[string]	query	False	Order results by specified fields and optional [asc
desc] direction. Default direction is 'asc' for ascending.	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

Name	Type	In	Required	Description
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.	return_timeout	integer	query	False

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	Number of records
records	array[ <a href="#">autosupport_message</a> ]	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	<a href="#">href</a>	
self	<a href="#">href</a>	

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	<a href="#">href</a>	

node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

autosupport\_message

Name	Type	Description
destination	string	Destination for the AutoSupport
error	<a href="#">error</a>	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	<a href="#">node</a>	
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[ <a href="#">error_arguments</a> ]	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

Creates 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 this to identify the generated AutoSupport message.

## Default property values

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

- `type` - *all*
- `node.name` or `node.uuid` - Not specifying these properties invokes 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>	<a href="#">error</a>	Last error during delivery attempt. Empty if "status=sent-successful".

<b>Name</b>	<b>Type</b>	<b>Description</b>
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	<a href="#">node</a>	
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
<a href="#">_links</a>	<a href="#">_links</a>	
num_records	integer	Number of records
records	array[ <a href="#">records</a> ]	

## 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	<a href="#">href</a>	

node

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	
uuid	string	

autosupport\_message

Name	Type	Description
destination	string	Destination for the AutoSupport
error	<a href="#">error</a>	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	<a href="#">node</a>	
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
<a href="#">_links</a>	<a href="#">_links</a>	
index	integer	Sequence number of the generated AutoSupport
node	<a href="#">node</a>	

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

#### error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	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.