



# **Manage AutoSupport configuration**

## **ONTAP 9.9.1 REST API reference**

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# Manage AutoSupport configuration

## Support AutoSupport endpoint overview

### Overview

AutoSupport is the NetApp *call home* mechanism. AutoSupport sends configuration details, status details, and error reporting details to NetApp.

This endpoint supports both GET and PATCH calls. GET is used to retrieve AutoSupport configuration details for the cluster and PATCH is used to modify the AutoSupport configuration of the cluster. You can also use GET calls to check AutoSupport connectivity.

### Examples

#### Configuring 'to' addresses

The following example configures AutoSupport to send emails to 'to' addresses.

```
# The API:
PATCH /support/autosupport

# The call:
curl -X PATCH "https://<mgmt-ip>/api/support/autosupport" -H "accept:
application/hal+json" -H "Content-Type: application/json" -d "{ \"to\": [
\"abc@netapp.com\", \"xyz@netapp.com\" ]}"

# The response:
200 OK
{ }
```

#### Configuring 'SMTP' transport

The following example configures AutoSupport to use 'SMTP' transport. The default transport is 'HTTPS'.

```
# The API:
PATCH /support/autosupport

# The call:
curl -X PATCH "https://<mgmt-ip>/api/support/autosupport" -H "accept:
application/hal+json" -H "Content-Type: application/json" -d "{
\"transport\": \"smtp\"}"

# The response:
200 OK
{}
```

---

## Retrieving the AutoSupport configuration

The following example retrieves AutoSupport configuration for the cluster.

```

# The API:
GET /support/autosupport

# The call:
curl -X GET "https://<mgmt-ip>/api/support/autosupport" -H "accept:
application/hal+json"

# The response:
200 OK
{
  "enabled": true,
  "mail_hosts": [
    "mailhost"
  ],
  "from": "Postmaster",
  "to": [
    "abc@netapp.com",
    "xyz@netapp.com"
  ],
  "contact_support": true,
  "transport": "smtp",
  "proxy_url": "",
  "is_minimal": false,
  "_links": {
    "self": {
      "href": "/api/support/autosupport"
    }
  }
}

```

## Retrieving AutoSupport connectivity issues

The following example retrieves AutoSupport connectivity issues for the cluster. The `fields=issues` parameter must be specified, for the response to return connectivity issues. The `corrective_action` section might contain commands which needs to be executed on the ONTAP CLI.

Note that the connectivity check can take up to 10 seconds to complete.

```

# The API:
GET /support/autosupport

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

```

```
# The response:
200 OK
{
  "issues": [
    {
      "node": {
        "name": "node3",
        "uuid": "0ecfd0a6-f1b3-11e8-9d9f-005056bbaadc",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/0ecfd0a6-f1b3-11e8-9d9f-
005056bbaadc"
          }
        }
      },
      "issue": {
        "message": "SMTP connectivity check failed for destination:
mailhost. Error: Could not resolve host - 'mailhost'",
        "code": "53149746"
      },
      "corrective_action": {
        "message": "Check the hostname of the SMTP server",
        "code": "53149746"
      }
    },
    {
      "node": {
        "name": "node3",
        "uuid": "0ecfd0a6-f1b3-11e8-9d9f-005056bbaadc",
        "_links": {
          "self": {
            "href": "/api/cluster/nodes/0ecfd0a6-f1b3-11e8-9d9f-
005056bbaadc"
          }
        }
      },
      "issue": {
        "message": "AutoSupport OnDemand is disabled when \"-transport\" is
not set to \"https\".",
        "code": "53149740"
      },
      "corrective_action": {
        "message": "Run \"system node autosupport modify -transport https
-node <node name>\" to set \"-transport\" to \"https\".",
        "code": "53149740"
      }
    }
  ]
}
```

```

    }
  }
],
"_links": {
  "self": {
    "href": "/api/support/autosupport"
  }
}
}
}

```

## Retrieving AutoSupport configuration and connectivity issues

The following example retrieves AutoSupport configuration and connectivity issues on the cluster. Use `fields=*,issues` parameter to return both configuration and connectivity issues.

```

# The API:
GET /support/autosupport

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

# The response:
200 OK
{
  "enabled": true,
  "mail_hosts": [
    "mailhost"
  ],
  "from": "Postmaster",
  "to": [
    "abc@netapp.com",
    "xyz@netapp.com"
  ],
  "contact_support": true,
  "transport": "smtp",
  "proxy_url": "",
  "is_minimal": false,
  "issues": [
    {
      "node": {
        "name": "node3",
        "uuid": "0ecfd0a6-f1b3-11e8-9d9f-005056bbaadc",
        "_links": {

```

```

    "self": {
      "href": "/api/cluster/nodes/0ecfd0a6-f1b3-11e8-9d9f-005056bbaadc"
    }
  },
  "issue": {
    "message": "SMTP connectivity check failed for destination: mailhost. Error: Could not resolve host - 'mailhost'",
    "code": "53149746"
  },
  "corrective_action": {
    "message": "Check the hostname of the SMTP server",
    "code": "53149746"
  }
},
{
  "node": {
    "name": "node3",
    "uuid": "0ecfd0a6-f1b3-11e8-9d9f-005056bbaadc",
    "_links": {
      "self": {
        "href": "/api/cluster/nodes/0ecfd0a6-f1b3-11e8-9d9f-005056bbaadc"
      }
    }
  },
  "issue": {
    "message": "AutoSupport OnDemand is disabled when \"-transport\" is not set to \"https\".",
    "code": "53149740"
  },
  "corrective_action": {
    "message": "Run \"system node autosupport modify -transport https -node <node name>\" to set \"-transport\" to \"https\".",
    "code": "53149740"
  }
}
],
"_links": {
  "self": {
    "href": "/api/support/autosupport"
  }
}
}
}

```



# Retrieve the AutoSupport configuration

GET /support/autosupport

**Introduced In:** 9.6

Retrieves the AutoSupport configuration of the cluster and if requested, returns connectivity issues with the AutoSupport configuration.

Important note:

- The **issues** field consists of a list of objects containing details of the node that has a connectivity issue, the issue description, and corrective action you can take to address the issue. When not empty, this indicates a connection issue to the **HTTP/S**, **SMTP**, or **AutoSupport On Demand** server.

## Expensive properties

There is an added cost to retrieving values for these properties. They are not included by default in GET results and must be explicitly requested using the `fields` query parameter. See [Requesting specific fields](#) to learn more.

- `issues`

## Related ONTAP commands

- `system node autosupport show -instance`
- `system node autosupport check show-details`

## Learn more

- [DOC /support/autosupport](#)

## Parameters

Name	Type	In	Required	Description
<code>max_records</code>	integer	query	False	Limit the number of records returned.
<code>return_records</code>	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned. <ul style="list-style-type: none"><li>• Default value: 1</li></ul>

Name	Type	In	Required	Description
return_timeout	integer	query	False	<p>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.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>
order_by	array[string]	query	False	Order results by specified fields and optional [asc
desc] direction. Default direction is 'asc' for ascending.	fields	array[string]	query	False

## Response

Status: 200, Ok

Name	Type	Description
contact_support	boolean	Specifies whether to send the AutoSupport messages to vendor support.
enabled	boolean	Specifies whether the AutoSupport daemon is enabled. When this setting is disabled, delivery of all AutoSupport messages is turned off.

Name	Type	Description
from	string	<p>The e-mail address from which the AutoSupport messages are sent. To generate node-specific 'from' addresses, enable '-node-specific-from' parameter via ONTAP CLI.</p> <ul style="list-style-type: none"> <li>• example: <a href="mailto:postmaster@example.com">postmaster@example.com</a></li> <li>• format: email</li> <li>• Introduced in: 9.6</li> </ul>
is_minimal	boolean	Specifies whether the system information is collected in compliant form, to remove private data or in complete form, to enhance diagnostics.
issues	array[ <a href="#">autosupport_issues</a> ]	A list of nodes in the cluster with connectivity issues to HTTP/SMTP/AOD AutoSupport destinations along with the corresponding error descriptions and corrective actions.
mail_hosts	array[string]	The names of the mail servers used to deliver AutoSupport messages via SMTP.
partner_addresses	array[string]	The list of partner addresses.
proxy_url	string	Proxy server for AutoSupport message delivery via HTTP/S. Optionally specify a username/password for authentication with the proxy server.
to	array[string]	The e-mail addresses to which the AutoSupport messages are sent.
transport	string	The name of the transport protocol used to deliver AutoSupport messages.

## Example response

```
{
  "contact_support": 1,
  "enabled": 1,
  "from": "<a href="
mailto:postmaster@example.com">postmaster@example.com</a>",
  "is_minimal": 1,
  "issues": [
    {
      "corrective_action": {
        "code": "53149746",
        "message": "Check the hostname of the SMTP server"
      },
      "issue": {
        "code": "53149746",
        "message": "SMTP connectivity check failed for destination:
mailhost. Error: Could not resolve host - 'mailhost'"
      },
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      }
    }
  ],
  "mail_hosts": [
    "mailhost1.example.com",
    "mailhost2.example.com"
  ],
  "partner_addresses": [
    "<a href="mailto:user1@partner.com">user1@partner.com</a>",
    "<a href="mailto:user2@partner.com">user2@partner.com</a>"
  ],
  "proxy_url": "https://proxy.company.com",
  "to": [
    "<a href="mailto:user1@example.com">user1@example.com</a>",
    "<a href="mailto:user2@example.com">user2@example.com</a>"
  ],
  "transport": "smtp"
}
```

## 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

### autosupport\_connectivity\_corrective\_action

Name	Type	Description
code	string	Corrective action code
message	string	Corrective action message. The corrective action might contain commands which needs to be executed on the ONTAP CLI. <ul style="list-style-type: none"><li>• example: Check the hostname of the SMTP server</li><li>• readOnly: 1</li><li>• Introduced in: 9.6</li></ul>

### autosupport\_connectivity\_issue

Name	Type	Description
code	string	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\_issues

Name	Type	Description
corrective_action	<a href="#">autosupport_connectivity_corrective_action</a>	
issue	<a href="#">autosupport_connectivity_issue</a>	
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.

## Update AutoSupport configuration for an entire cluster

PATCH `/support/autosupport`

**Introduced In:** 9.6

Updates the AutoSupport configuration for the entire cluster.

### Related ONTAP commands

- `system node autosupport modify`

### Learn more

- [DOC /support/autosupport](#)

### Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	<p>The default is false. If set to true, the records are returned.</p> <ul style="list-style-type: none"> <li>• Default value:</li> </ul>

## Request Body

Name	Type	Description
contact_support	boolean	Specifies whether to send the AutoSupport messages to vendor support.
enabled	boolean	Specifies whether the AutoSupport daemon is enabled. When this setting is disabled, delivery of all AutoSupport messages is turned off.
from	string	<p>The e-mail address from which the AutoSupport messages are sent. To generate node-specific 'from' addresses, enable '-node-specific-from' parameter via ONTAP CLI.</p> <ul style="list-style-type: none"> <li>• example: <a href="mailto:postmaster@example.com">postmaster@example.com</a></li> <li>• format: email</li> <li>• Introduced in: 9.6</li> </ul>
is_minimal	boolean	Specifies whether the system information is collected in compliant form, to remove private data or in complete form, to enhance diagnostics.
issues	array[ <a href="#">autosupport_issues</a> ]	A list of nodes in the cluster with connectivity issues to HTTP/SMTP/AOD AutoSupport destinations along with the corresponding error descriptions and corrective actions.



Name	Type	Description
mail_hosts	array[string]	The names of the mail servers used to deliver AutoSupport messages via SMTP.
partner_addresses	array[string]	The list of partner addresses.
proxy_url	string	Proxy server for AutoSupport message delivery via HTTP/S. Optionally specify a username/password for authentication with the proxy server.
to	array[string]	The e-mail addresses to which the AutoSupport messages are sent.
transport	string	The name of the transport protocol used to deliver AutoSupport messages.

## Example request

```
{
  "contact_support": 1,
  "enabled": 1,
  "from": "<a href="
mailto:postmaster@example.com">postmaster@example.com</a>",
  "is_minimal": 1,
  "issues": [
    {
      "corrective_action": {
        "code": "53149746",
        "message": "Check the hostname of the SMTP server"
      },
      "issue": {
        "code": "53149746",
        "message": "SMTP connectivity check failed for destination:
mailhost. Error: Could not resolve host - 'mailhost'"
      },
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      }
    }
  ],
  "mail_hosts": [
    "mailhost1.example.com",
    "mailhost2.example.com"
  ],
  "partner_addresses": [
    "<a href="mailto:user1@partner.com">user1@partner.com</a>",
    "<a href="mailto:user2@partner.com">user2@partner.com</a>"
  ],
  "proxy_url": "https://proxy.company.com",
  "to": [
    "<a href="mailto:user1@example.com">user1@example.com</a>",
    "<a href="mailto:user2@example.com">user2@example.com</a>"
  ],
  "transport": "smtp"
}
```

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
8650862	The SMTP mail host provided cannot be empty
8650863	A maximum of 5 SMTP mail hosts can be provided
8650864	A maximum of 5 email addresses can be provided
8650865	A maximum of 5 partner email addresses can be provided
53149727	The proxy URI provided is invalid
53149728	The mailhost URI provided is invalid

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

### autosupport\_connectivity\_corrective\_action

Name	Type	Description
code	string	Corrective action code
message	string	Corrective action message. The corrective action might contain commands which needs to be executed on the ONTAP CLI. <ul style="list-style-type: none"><li>• example: Check the hostname of the SMTP server</li><li>• readOnly: 1</li><li>• Introduced in: 9.6</li></ul>

### autosupport\_connectivity\_issue

Name	Type	Description
code	string	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\_issues

Name	Type	Description
corrective_action	<a href="#">autosupport_connectivity_corrective_action</a>	
issue	<a href="#">autosupport_connectivity_issue</a>	
node	<a href="#">node</a>	

#### autosupport

Name	Type	Description
contact_support	boolean	Specifies whether to send the AutoSupport messages to vendor support.
enabled	boolean	Specifies whether the AutoSupport daemon is enabled. When this setting is disabled, delivery of all AutoSupport messages is turned off.
from	string	<p>The e-mail address from which the AutoSupport messages are sent. To generate node-specific 'from' addresses, enable '-node-specific-from' parameter via ONTAP CLI.</p> <ul style="list-style-type: none"> <li>• example: <a href="mailto:postmaster@example.com">postmaster@example.com</a></li> <li>• format: email</li> <li>• Introduced in: 9.6</li> </ul>
is_minimal	boolean	Specifies whether the system information is collected in compliant form, to remove private data or in complete form, to enhance diagnostics.
issues	array[ <a href="#">autosupport_issues</a> ]	A list of nodes in the cluster with connectivity issues to HTTP/SMTP/AOD AutoSupport destinations along with the corresponding error descriptions and corrective actions.
mail_hosts	array[string]	The names of the mail servers used to deliver AutoSupport messages via SMTP.

Name	Type	Description
partner_addresses	array[string]	The list of partner addresses.
proxy_url	string	Proxy server for AutoSupport message delivery via HTTP/S. Optionally specify a username/password for authentication with the proxy server.
to	array[string]	The e-mail addresses to which the AutoSupport messages are sent.
transport	string	The name of the transport protocol used to deliver AutoSupport messages.

#### 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.

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