**mail - Send an email**

* [Synopsis](http://docs.ansible.com/ansible/latest/mail_module.html#synopsis)
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[**Synopsis**](http://docs.ansible.com/ansible/latest/mail_module.html#id1)

* This module is useful for sending emails from playbooks.
* One may wonder why automate sending emails? In complex environments there are from time to time processes that cannot be automated, either because you lack the authority to make it so, or because not everyone agrees to a common approach.
* If you cannot automate a specific step, but the step is non-blocking, sending out an email to the responsible party to make him perform his part of the bargain is an elegant way to put the responsibility in someone else’s lap.
* Of course sending out a mail can be equally useful as a way to notify one or more people in a team that a specific action has been (successfully) taken.

[**Options**](http://docs.ansible.com/ansible/latest/mail_module.html#id2)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **parameter** | **required** | **default** | **choices** | **comments** |
| attach | no |  |  | A space-separated list of pathnames of files to attach to the message. Attached files will have their content-type set to application/octet-stream. |
| bcc | no |  |  | The email-address(es) the mail is being 'blind' copied to. This is a comma-separated list, which may contain address and phrase portions. |
| body | no | $subject |  | The body of the email being sent. |
| cc | no |  |  | The email-address(es) the mail is being copied to. This is a comma-separated list, which may contain address and phrase portions. |
| charset | no | us-ascii |  | The character set of email being sent |
| from | no | root |  | The email-address the mail is sent from. May contain address and phrase. |
| headers | no |  |  | A vertical-bar-separated list of headers which should be added to the message. Each individual header is specified as header=value (see example below). |
| host | no | localhost |  | The mail server |
| password  (added in 1.9) | no |  |  | If SMTP requires password |
| port | no | 25 |  | The mail server port. This must be a valid integer between 1 and 65534 |
| secure  (added in 2.3) | no | try | * always * never * try * starttls | If always, the connection will only send email if the connection is Encrypted. If the server doesn't accept the encrypted connection it will fail.  If try, the connection will attempt to setup a secure SSL/TLS session, before trying to send.  If never, the connection will not attempt to setup a secure SSL/TLS session, before sending  If starttls, the connection will try to upgrade to a secure SSL/TLS connection, before sending. If it is unable to do so it will fail. |
| subject | yes |  |  | The subject of the email being sent. |
| subtype  (added in 2.0) | no | plain |  | The minor mime type, can be either text or html. The major type is always text. |
| timeout  (added in 2.3) | no | 20 |  | Sets the Timeout in seconds for connection attempts |
| to | no | root |  | The email-address(es) the mail is being sent to. This is a comma-separated list, which may contain address and phrase portions. |
| username  (added in 1.9) | no |  |  | If SMTP requires username |

[**Examples**](http://docs.ansible.com/ansible/latest/mail_module.html#id3)

*# Example playbook sending mail to root*

- mail:

subject: 'System **{{** ansible\_hostname **}}** has been successfully provisioned.'

delegate\_to: localhost

*# Sending an e-mail using Gmail SMTP servers*

- mail:

host: smtp.gmail.com

port: 587

username: username@gmail.com

password: mysecret

to: John Smith <john.smith@example.com>

subject: Ansible-report

body: 'System **{{** ansible\_hostname **}}** has been successfully provisioned.'

delegate\_to: localhost

*# Send e-mail to a bunch of users, attaching files*

- mail:

host: 127.0.0.1

port: 2025

subject: Ansible-report

body: Hello, this is an e-mail. I hope you like it ;-)

from: jane@example.net (Jane Jolie)

to: John Doe <j.d@example.org>, Suzie Something <sue@example.com>

cc: Charlie Root <root@localhost>

attach: /etc/group /tmp/pavatar2.png

headers: 'Reply-To=john@example.com|X-Special="Something or other"'

charset: utf8

delegate\_to: localhost

*# Sending an e-mail using the remote machine, not the Ansible controller node*

- mail:

host: localhost

port: 25

to: John Smith <john.smith@example.com>

subject: Ansible-report

body: 'System **{{** ansible\_hostname **}}** has been successfully provisioned.'

*# Sending an e-mail using Legacy SSL to the remote machine*

- mail:

host: localhost

port: 25

to: John Smith <john.smith@example.com>

subject: Ansible-report

body: 'System **{{** ansible\_hostname **}}** has been successfully provisioned.'

secure: always

*# Sending an e-mail using StartTLS to the remote machine*

- mail:

host: localhost

port: 25

to: John Smith <john.smith@example.com>

subject: Ansible-report

body: 'System **{{** ansible\_hostname **}}** has been successfully provisioned.'

secure: starttls

[**Status**](http://docs.ansible.com/ansible/latest/mail_module.html#id4)

This module is flagged as **stableinterface** which means that the maintainers for this module guarantee that no backward incompatible interface changes will be made.