



Linux Ubuntu 26.04 Manual Pages on command 'ansible.1'

\$ man ansible.1

ansible(1) System administration commands ansible(1)

Name

ansible - Define and run a single task 'playbook' against a set of hosts

SYNOPSIS

```
usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD]
               [--become-user BECOME_USER] [-K | --become-password-file BECOME_PASSWORD_FILE] [-i
INVENTORY] [--list-hosts] [-l SUBSET] [--flush-cache] [-P POLL_INTERVAL] [-B SECONDS]
[-o] [-t TREE] [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION] [-T
TIMEOUT] [--ssh-common-args SSH_COMMON_ARGS] [--sftp-extra-args SFTP_EXTRA_ARGS]
[--scp-extra-args SCP_EXTRA_ARGS] [--ssh-extra-args SSH_EXTRA_ARGS] [-k | --connec?
tion-password-file CONNECTION_PASSWORD_FILE] [-C] [-D] [-e EXTRA_VARS] [--vault-id
VAULT_IDS] [-J | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS] [-M MOD?
ULE_PATH] [--playbook-dir BASEDIR] [--task-timeout TASK_TIMEOUT] [-a MODULE_ARGS] [-m
MODULE_NAME] pattern
```

DESCRIPTION

is an extra-simple tool/framework/API for doing 'remote things'. this command allows you to
define and run a single task 'playbook' against a set of hosts

COMMON OPTIONS

host pattern

--become-method 'BECOME_METHOD'

privilege escalation method to use (default=sudo), use ansible-doc -t become -l to list
valid choices.

--become-password-file 'BECOME_PASSWORD_FILE', --become-pass-file 'BECOME_PASSWORD_FILE'

Become password file

--become-user 'BECOME_USER'

run operations as this user (default=root)

--connection-password-file 'CONNECTION_PASSWORD_FILE', --conn-pass-file 'CONNECTION_PASS?
WORD_FILE'

Connection password file

--flush-cache

clear the fact cache for every host in inventory

--list-hosts

outputs a list of matching hosts; does not execute anything else

--playbook-dir 'BASEDIR'

Since this tool does not use playbooks, use this as a substitute playbook directory. This
sets the relative path for many features including roles/ group_vars/ etc.

--private-key 'PRIVATE_KEY_FILE', --key-file 'PRIVATE_KEY_FILE'

use this file to authenticate the connection

--scp-extra-args 'SCP_EXTRA_ARGS'

specify extra arguments to pass to scp only (e.g. -l)

--sftp-extra-args 'SFTP_EXTRA_ARGS'

specify extra arguments to pass to sftp only (e.g. -f, -l)

--ssh-common-args 'SSH_COMMON_ARGS'

specify common arguments to pass to sftp/scp/ssh (e.g. ProxyCommand)

--ssh-extra-args 'SSH_EXTRA_ARGS'

specify extra arguments to pass to ssh only (e.g. -R)

--task-timeout 'TASK_TIMEOUT'

set task timeout limit in seconds, must be positive integer.

--vault-id

the vault identity to use. This argument may be specified multiple times.

--vault-password-file, --vault-pass-file

vault password file

--version

show program's version number, config file location, configured module search path, mod?
ule location, executable location and exit

-B 'SECONDS', --background 'SECONDS'

run asynchronously, failing after X seconds (default=N/A)

-C, --check

don't make any changes; instead, try to predict some of the changes that may occur

-D, --diff

when changing (small) files and templates, show the differences in those files; works

great with --check

-J, --ask-vault-password, --ask-vault-pass

ask for vault password

-K, --ask-become-pass

ask for privilege escalation password

-M, --module-path

prepend colon-separated path(s) to module library (default={{ ANSIBLE_HOME ~ "/plugins/modules:/usr/share/ansible/plugins/modules" }}). This argument may be specified multiple times.

-P 'POLL_INTERVAL', --poll 'POLL_INTERVAL'

set the poll interval if using -B (default=15)

-T 'TIMEOUT', --timeout 'TIMEOUT'

override the connection timeout in seconds (default depends on connection)

-a 'MODULE_ARGS', --args 'MODULE_ARGS'

The action's options in space separated k=v format: -a 'opt1=val1 opt2=val2' or a json string: -a '{"opt1": "val1", "opt2": "val2"}

-b, --become

run operations with become (does not imply password prompting)

-c 'CONNECTION', --connection 'CONNECTION'

connection type to use (default=ssh)

-e, --extra-vars

set additional variables as key=value or YAML/JSON, if filename prepend with @. This argument may be specified multiple times.

-f 'FORKS', --forks 'FORKS'

specify number of parallel processes to use (default=5)

-h, --help

show this help message and exit

-i, --inventory, --inventory-file

specify inventory host path or comma separated host list. This argument may be specified multiple times.

`-k, --ask-pass`

ask for connection password

`-l 'SUBSET', --limit 'SUBSET'`

further limit selected hosts to an additional pattern

`-m 'MODULE_NAME', --module-name 'MODULE_NAME'`

Name of the action to execute (default=command)

`-o, --one-line`

condense output

`-t 'TREE', --tree 'TREE'`

log output to this directory

`-u 'REMOTE_USER', --user 'REMOTE_USER'`

connect as this user (default=None)

`-v, --verbose`

Causes Ansible to print more debug messages. Adding multiple `-v` will increase the verbosity, the builtin plugins currently evaluate up to `-vvvvvv`. A reasonable level to start is `-vvv`, connection debugging might require `-vvvv`. This argument may be specified multiple times.

INVENTORY

Ansible stores the hosts it can potentially operate on in an inventory. This can be an YAML file, ini-like file, a script, directory, list, etc. For additional options, see the documentation on <https://docs.ansible.com/>.

ENVIRONMENT

The following environment variables may be specified.

`ANSIBLE_INVENTORY` -- Override the default ansible inventory sources

`ANSIBLE_LIBRARY` -- Override the default ansible module library path

`ANSIBLE_CONFIG` -- Specify override location for the ansible config file

Many more are available for most options in `ansible.cfg`

For a full list check <https://docs.ansible.com/>. or use the `ansible-config` command.

FILES

`/etc/ansible/hosts` -- Default inventory file

`/etc/ansible/ansible.cfg` -- Config file, used if present

~/.ansible.cfg -- User config file, overrides the default config if present

./ansible.cfg -- Local config file (in current working directory) assumed to be 'project specific' and overrides the rest if present.

As mentioned above, the ANSIBLE_CONFIG environment variable will override all others.

AUTHOR

Ansible was originally written by Michael DeHaan.

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SEE ALSO

ansible-config (1), ansible-console (1), ansible-doc (1), ansible-galaxy (1), ansible-inventory (1), ansible-playbook (1), ansible-pull (1), ansible-vault (1)

Extensive documentation is available in the documentation site: <<<https://docs.ansible.com>>>. IRC and mailing list info can be found in file CONTRIBUTING.md, available in: <?<https://github.com/ansible/ansible>>>

Ansible 2.20.1

ansible(1)