**MAGIC VARIABLE**

**SPECIAL VARIABLES**

Some variables are not facts or configured through the setup module, but are also automatically set by Ansible. These magic varaibles can also be useful to get information specific to a particular managed host.

**ansible\_check\_mode**

Boolean that indicates if we are in check mode or not

**ansible\_dependent\_role\_names**

The names of the roles currently imported into the current play as dependencies of other plays

**ansible\_diff\_mode**

Boolean that indicates if we are in diff mode or not

**ansible\_forks**

Integer reflecting the number of maximum forks available to this run

**ansible\_inventory\_sources**

List of sources used as inventory

**ansible\_limit**

Contents of the --limit CLI option for the current execution of Ansible

**ansible\_loop**

A dictionary/map containing extended loop information when enabled via loop\_control.extended

**ansible\_loop\_var**

The name of the value provided to loop\_control.loop\_var. Added in 2.8

**ansible\_index\_var**

The name of the value provided to loop\_control.index\_var. Added in 2.9

**ansible\_parent\_role\_names**

When the current role is being executed by means of an include\_role or import\_role action, this variable contains a list of all parent roles, with the most recent role (i.e. the role that included/imported this role) being the first item in the list. When multiple inclusions occur, this list lists the last role (i.e. the role that included this role) as the first item in the list. It is also possible that a specific role exists more than once in this list.

For example: When role A includes role B, inside role B, ansible\_parent\_role\_names will equal to ['A']. If role B then includes role C, the list becomes ['B', 'A'].

**ansible\_parent\_role\_paths**

When the current role is being executed by means of an include\_role or import\_role action, this variable contains a list of all parent roles, with the most recent role (i.e. the role that included/imported this role) being the first item in the list. Please refer to ansible\_parent\_role\_names for the order of items in this list.

**ansible\_play\_batch**

List of active hosts in the current play run limited by the serial, aka ‘batch’. Failed/Unreachable hosts are not considered ‘active’.

**ansible\_play\_hosts**

The same as ansible\_play\_batch

**ansible\_play\_hosts\_all**

List of all the hosts that were targeted by the play

**ansible\_play\_role\_names**

The names of the roles currently imported into the current play. This list does not contain the role names that are implicitly included via dependencies.

**ansible\_playbook\_python**

The path to the python interpreter being used by Ansible on the controller

**ansible\_role\_names**

The names of the roles currently imported into the current play, or roles referenced as dependencies of the roles imported into the current play.

**ansible\_run\_tags**

Contents of the --tags CLI option, which specifies which tags will be included for the current run.

**ansible\_search\_path**

Current search path for action plugins and lookups, i.e where we search for relative paths when you do template: src=myfile

**ansible\_skip\_tags**

Contents of the --skip\_tags CLI option, which specifies which tags will be skipped for the current run.

**ansible\_verbosity**

Current verbosity setting for Ansible

**ansible\_version**

Dictionary/map that contains information about the current running version of ansible, it has the following keys: full, major, minor, revision and string.

**group\_names**

List of groups the current host is part of

**groups**

A dictionary/map with all the groups in inventory and each group has the list of hosts that belong to it

**hostvars**

A dictionary/map with all the hosts in inventory and variables assigned to them

**inventory\_hostname**

The inventory name for the ‘current’ host being iterated over in the play

**inventory\_hostname\_short**

The short version of inventory\_hostname

**inventory\_dir**

The directory of the inventory source in which the inventory\_hostname was first defined

**inventory\_file**

The file name of the inventory source in which the inventory\_hostname was first defined

**omit**

Special variable that allows you to ‘omit’ an option in a task, i.e - user: name=bob home={{ bobs\_home|default(omit) }}

**play\_hosts**

Deprecated, the same as ansible\_play\_batch

**ansible\_play\_name**

The name of the currently executed play. Added in 2.8.

**playbook\_dir**

The path to the directory of the playbook that was passed to the ansible-playbook command line.

**role\_name**

The name of the role currently being executed.

**role\_names**

Deprecated, the same as ansible\_play\_role\_names

**role\_path**

The path to the dir of the currently running role