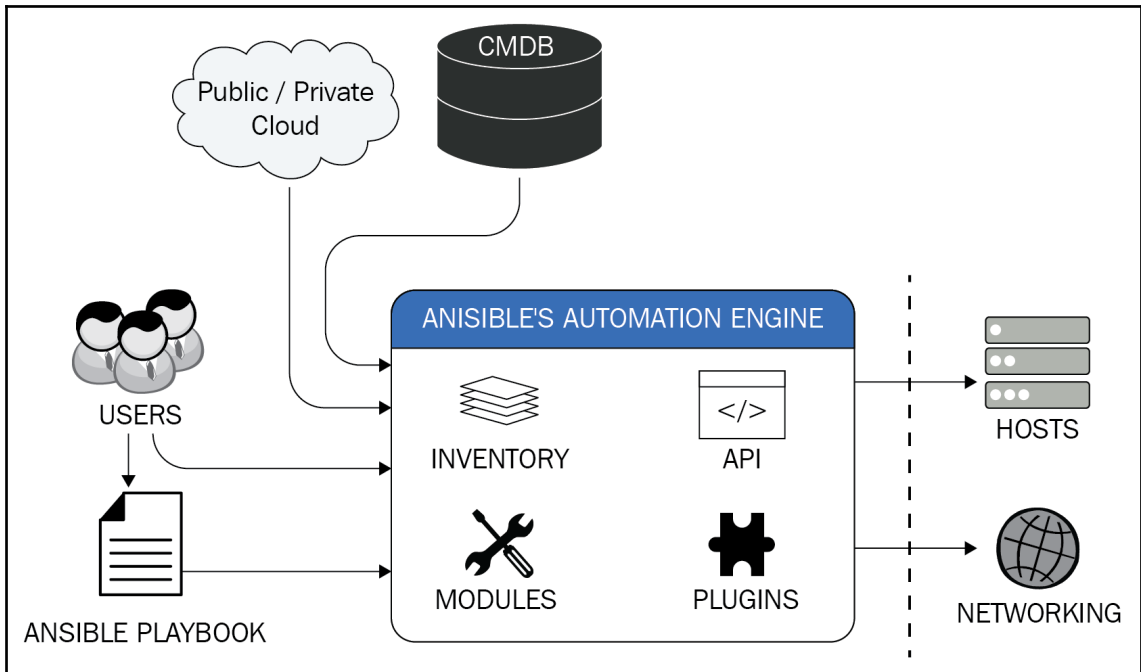


# Graphics Bundle

## Chapter 2: Understanding the Fundamentals of Ansible



# Chapter 5: Consuming and Creating Modules

The screenshot shows the Ansible documentation website. The top navigation bar includes 'Documentation', 'COMMUNITY', 'WEBINARS & TRAINING', and 'BLOG'. The left sidebar is divided into sections: 'Ansible 2.9 latest', 'INSTALLATION, UPGRADE & CONFIGURAT', 'USING ANSIBLE', 'User Guide', and 'Working With Modules'. The main content area displays search results for 's3', listing various AWS-related modules such as `aws_direct_connect_virtual_interface`, `aws_eks_cluster`, `aws_elasticbeanstalk_app`, `aws_glue_connection`, `aws_glue_job`, `aws_inspector_target`, `aws_kms`, `aws_kms_info`, `aws_netapp_cvs_active_directory`, `aws_netapp_cvs_FileSystems`, `aws_netapp_cvs_pool`, `aws_netapp_cvs_snapshots`, `aws_region_info`, `aws_s3`, `aws_s3_bucket_info`, `aws_s3_cors`, `aws_secret`, `aws_ses_identity`, `aws_ses_identity_policy`, `aws_ses_rule_set`, `aws_sgw_info`, `aws_ssm_parameter_store`, `aws_waf_condition`, `aws_waf_info`, and `aws_waf_rule`. A search bar at the bottom right of the results area is labeled 'Search this site'.

The screenshot shows the Ansible documentation website. The top navigation bar includes 'Documentation', 's3', '1/19', and links for 'COMMUNITY', 'WEBINARS & TRAINING', and 'BLOG'. The left sidebar is divided into sections: 'Ansible 2.9 latest', 'INSTALLATION, UPGRADE & CONFIGURATION' (with links for 'Installation Guide' and 'Ansible Porting Guides'), 'USING ANSIBLE' (with a 'User Guide' dropdown menu containing links like 'Ansible Quickstart Guide', 'Ansible concepts', 'Getting Started', etc.), and 'Working With Modules'. The main content area displays search results for 's3', listing various modules such as 'route53\_health\_check', 'route53\_info', 'route53\_zone', 's3\_bucket', 's3\_bucket\_notification', 's3\_lifecycle', 's3\_logging', 's3\_sync', 's3\_website', 'sns', 'sns\_topic', 'sqs\_queue', 'sts\_assume\_role', and 'sts\_session\_token'. Below this list, there are sections for 'Atomic' and 'Azure', each with their respective module links. A search bar at the bottom right of the main content area says 'Search this site'.

The screenshot shows the Ansible documentation website. The top navigation bar includes links for ANSIBLEFEST, PRODUCTS, COMMUNITY, WEBINARS & TRAINING, and BLOG. The left sidebar contains a search bar and a list of navigation categories: INSTALLATION, UPGRADE & CONFIGURATION; USING ANSIBLE; CONTRIBUTING TO ANSIBLE; EXTENDING ANSIBLE; COMMON ANSIBLE SCENARIOS; and ANSIBLE FOR NETWORK AUTOMATION. The main content area displays the title 'aws\_s3 – manage objects in S3' with an 'Edit on GitHub' link. Below the title is a list of sections: Synopsis, Requirements, Parameters, Notes, Examples, Return Values, and Status. The 'Synopsis' section contains a bullet point describing the module's functionality. The 'Requirements' section lists the dependencies: boto, boto3, botocore, and python >= 2.6. A search bar is located in the bottom right corner of the page.

Documentation

ANSIBLEFEST PRODUCTS COMMUNITY WEBINARS & TRAINING BLOG

Ansible  
2.9  
latest

Search docs

INSTALLATION, UPGRADE & CONFIGURATION  
Installation Guide  
Ansible Porting Guides

USING ANSIBLE  
User Guide

CONTRIBUTING TO ANSIBLE  
Ansible Community Guide

EXTENDING ANSIBLE  
Developer Guide

COMMON ANSIBLE SCENARIOS  
Public Cloud Guides  
Network Technology Guides  
Virtualization and Containerization Guides

ANSIBLE FOR NETWORK AUTOMATION  
Ansible for Network Automation

Docs » aws\_s3 – manage objects in S3 [Edit on GitHub](#)

## aws\_s3 – manage objects in S3

- [Synopsis](#)
- [Requirements](#)
- [Parameters](#)
- [Notes](#)
- [Examples](#)
- [Return Values](#)
- [Status](#)

### Synopsis

- This module allows the user to manage S3 buckets and the objects within them. Includes support for creating and deleting both objects and buckets, retrieving objects as files or strings and generating download links. This module has a dependency on boto3 and botocore.

### Requirements

The below requirements are needed on the host that executes this module.

- boto
- boto3
- botocore
- python >= 2.6

Search this site

ansible / ansible Watch 2,047 Star 35,149 Fork 14,227

Code Issues 3,931 Pull requests 1,670 Projects 24 Insights

Ansible is a radically simple IT automation platform that makes your applications and systems easier to deploy. Avoid writing scripts or custom code to deploy and update your applications — automate in a language that approaches plain English, using SSH, with no agents to install on remote systems. <https://docs.ansible.com/ansible/> <https://www.ansible.com/>

python ansible

42,409 commits 43 branches 254 releases 4,137 contributors GPL-3.0

Branch: devel New pull request Create new file Upload files Find file Clone or download


WojciechowskiPiotr and ansibot docker\_host\_facts: Get system-wide information about docker host (#51373) Latest commit e633b93 5 hours ago

.github	Added new AIX and Gitlab members	23 hours ago
bin	Save the command line arguments into a global context	a month ago
changelogs	hashi_vault: add support for userpass authentication (#51538)	7 hours ago
contrib	inventory: vagrant: rename deprecated ansible_ssh_* (#50694)	24 days ago
docs	doc: Correct path of unit tests directory (#51631)	18 hours ago

danieloh30 / ansible Unwatch 1 Star 0 Fork 14,227  
forked from ansible/ansible


Code Pull requests 0 Projects 0 Insights Settings

Filters is:pr is:open Labels Milestones New pull request



### Welcome to Pull Requests!

Pull requests help you collaborate on code with other people. As pull requests are created, they'll appear here in a searchable and filterable list. To get started, you should [create a pull request](#).

 **ProTip!** Type `g p` on any issue or pull request to go back to the pull request listing page.

ansible / ansible

Watch 2,038 Star 36,339 Fork 15,019

Code Issues 3,871 Pull requests 1,687 Projects 25 Insights

First time contributing to ansible/ansible? [Dismiss](#)

If you know how to fix an [issue](#), consider opening a pull request for it. You can read this repository's [contributing guidelines](#) to learn how to open a good pull request.

Filters is:pr is:open Labels 338 Milestones 1 [New pull request](#)

1,687 Open ✓ 30,980 Closed Author Labels Projects Milestones Reviews Assignee Sort

- The module fails on switchport. Check added to fix.** ✓ affects\_2.8 bug core\_review module needs\_triage networking support:community support:core test #54970 opened 8 minutes ago by amuraleedhar
- filters: Add additional Truth values to bool filter** ✗ affects\_2.8 feature needs\_revision needs\_triage small\_patch support:community support:core #54969 opened 38 minutes ago by Akasurde
- Fix handling of inventory and credential options for tower\_job\_launch** ✓ affects\_2.8 bug core\_review module needs\_triage support:community support:core test tower web\_infrastructure #54967 opened 2 hours ago by saito-hideki
- WIP: Add encoding and codepage params to win\_command/win\_shell (#54896)** ✗ WIP affects\_2.8 feature module needs\_revision needs\_triage support:community support:core windows #54966 opened 3 hours ago by h-hirokawa
- WIP - Add unit testing with Pester for PowerShell modules** ✗ WIP affects\_2.8 feature module needs\_triage support:community support:core test windows #54965 opened 4 hours ago by jborean93

# Chapter 6: Consuming and Creating Plugins

The screenshot shows the main page of the `ansible/ansible` repository on GitHub. At the top, it displays the repository name, a 'Watch' button with 2,047 users, a 'Star' button with 35,149 stars, and a 'Fork' button with 14,227 forks. Below this are navigation tabs for 'Code', 'Issues' (3,931), 'Pull requests' (1,670), 'Projects' (24), and 'Insights'. A descriptive paragraph explains that Ansible is a simple IT automation platform. Below the text are tags for 'python' and 'ansible'. A statistics bar shows 42,409 commits, 43 branches, 254 releases, 4,137 contributors, and GPL-3.0 license. A 'Clone or download' button is visible. A list of recent commits is shown, including one by WojciechowskiPiotr and another by ansibot.

ansible / ansible Watch 2,047 Star 35,149 Fork 14,227

[Code](#) [Issues 3,931](#) [Pull requests 1,670](#) [Projects 24](#) [Insights](#)

Ansible is a radically simple IT automation platform that makes your applications and systems easier to deploy. Avoid writing scripts or custom code to deploy and update your applications — automate in a language that approaches plain English, using SSH, with no agents to install on remote systems. <https://docs.ansible.com/ansible/> <https://www.ansible.com/>

[python](#) [ansible](#)

42,409 commits 43 branches 254 releases 4,137 contributors GPL-3.0

Branch: `devel` [New pull request](#) [Create new file](#) [Upload files](#) [Find file](#) [Clone or download](#)

WojciechowskiPiotr and ansibot `docker_host_facts: Get system-wide information about docker host (#51373)` Latest commit `e633b93` 5 hours ago

<code>.github</code>	Added new AIX and Gitlab members	23 hours ago
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<code>docs</code>	<code>doc: Correct path of unit tests directory (#51631)</code>	18 hours ago

The screenshot shows the pull request page for a forked repository `danieloh30/ansible`. It indicates it was forked from `ansible/ansible`. The page shows 'Unwatch' (1), 'Star' (0), and 'Fork' (14,227) buttons. Navigation tabs include 'Code', 'Pull requests' (0), 'Projects' (0), 'Insights', and 'Settings'. A search filter is set to 'is:pr is:open'. A 'New pull request' button is present. The main content area features a 'Welcome to Pull Requests!' message with an icon of two people shaking hands. The message explains that pull requests help with collaboration and provides a link to 'create a pull request'. A 'ProTip!' at the bottom suggests using 'g' or 'p' on any issue or pull request to return to the listing page.

danieloh30 / ansible forked from ansible/ansible Unwatch 1 Star 0 Fork 14,227

[Code](#) [Pull requests 0](#) [Projects 0](#) [Insights](#) [Settings](#)

[Filters](#)  [Labels](#) [Milestones](#) [New pull request](#)

### Welcome to Pull Requests!

Pull requests help you collaborate on code with other people. As pull requests are created, they'll appear here in a searchable and filterable list. To get started, you should [create a pull request](#).

**ProTip!** Type `g` `p` on any issue or pull request to go back to the pull request listing page.

ansible / ansible Watch 2,038 Star 36,339 Fork 15,019

< Code Issues 3,871 **Pull requests 1,687** Projects 25 Insights

**First time contributing to ansible/ansible?** Dismiss ...

If you know how to fix an [issue](#), consider opening a pull request for it. You can read this repository's [contributing guidelines](#) to learn how to open a good pull request.

Filters  Labels 338 Milestones 1 New pull request

1,687 Open ✓ 30,980 Closed Author Labels Projects Milestones Reviews Assignee Sort

- The module fails on switchport. Check added to fix.** ✓ affects\_2.8 bug core\_review module needs\_triage networking support:community support:core test #54970 opened 8 minutes ago by amuraleedhar 1
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# Chapter 12: Getting Started with Ansible Tower

### NEW PROJECT

DETAILS PERMISSIONS JOB TEMPLATES SCHEDULES

\* NAME DESCRIPTION \* ORGANIZATION

\* SCM TYPE

CANCEL SAVE

### NEW PROJECT

DETAILS PERMISSIONS JOB TEMPLATES SCHEDULES

\* NAME DESCRIPTION \* ORGANIZATION

\* SCM TYPE

#### SOURCE DETAILS

\* SCM URL ? SCM BRANCH/TAG/COMMIT SCM CREDENTIAL

#### SCM UPDATE OPTIONS

CLEAN ?  
 DELETE ON UPDATE ?  
 UPDATE REVISION ON LAUNCH ?

CANCEL SAVE

### NEW INVENTORY ✕

**DETAILS** PERMISSIONS GROUPS HOSTS SOURCES COMPLETED JOBS

\* NAME  DESCRIPTION  \* ORGANIZATION

INSIGHTS CREDENTIAL  INSTANCE GROUPS

VARIABLES  **YAML** JSON EXPAND

1	---
---	-----

### CREATE HOST ON ✕

**DETAILS** FACTS GROUPS COMPLETED JOBS

\* HOST NAME  DESCRIPTION

VARIABLES  **YAML** JSON EXPAND

1	---
---	-----

### CREATE SOURCE ✕

**DETAILS** SCHEDULES

\* NAME  DESCRIPTION  \* SOURCE

#### SOURCE DETAILS

CREDENTIAL  \* PROJECT  \* INVENTORY FILE

VERBOSITY  UPDATE OPTIONS

- OVERWRITE
- OVERWRITE VARIABLES
- UPDATE ON LAUNCH
- UPDATE ON PROJECT CHANGE

ENVIRONMENT VARIABLES

1 ---

CANCEL SAVE

### NEW JOB TEMPLATE ✕

DETAILS
PERMISSIONS
COMPLETED JOBS
SCHEDULES
ADD SURVEY

**\* NAME** ?

DESCRIPTION ?

**\* JOB TYPE** ?  PROMPT ON LAUNCH

Run

**\* INVENTORY** ?  PROMPT ON LAUNCH

Q

**\* PROJECT** ?

Q

**\* PLAYBOOK** ?

Choose a playbook

CREDENTIAL ?  PROMPT ON LAUNCH

Q

FORKS ?

0

LIMIT ?  PROMPT ON LAUNCH

**\* VERBOSITY** ?  PROMPT ON LAUNCH

0 (Normal)

JOB TAGS ?  PROMPT ON LAUNCH

SKIP TAGS ?  PROMPT ON LAUNCH

LABELS ?

INSTANCE GROUPS ?

Q

JOB SLICING ?

1

TIMEOUT ?

0

SHOW CHANGES ?  PROMPT ON LAUNCH

OFF

OPTIONS

- ENABLE PRIVILEGE ESCALATION ?
- ALLOW PROVISIONING CALLBACKS ?
- ENABLE CONCURRENT JOBS ?
- USE FACT CACHE ?

EXTRA VARIABLES ? YAML JSON  PROMPT ON LAUNCH

1 ---

LAUNCH
CANCEL
SAVE

### TEMPLATES 1

Q
KEY
+

Hello World	Job Template	<div style="display: flex; justify-content: space-around;"> <div style="width: 10px; height: 10px; background-color: #28a745;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> <div style="width: 10px; height: 10px; background-color: #ccc;"></div> </div>	<span style="background-color: #007bff; color: white; padding: 2px 5px;">Compact</span> <span style="padding: 2px 5px;">Expanded</span> <span style="padding: 2px 5px;">Name (Ascending)</span> <span style="float: right;">v</span>
		<span style="font-size: 1.2em;">✈</span> <span style="font-size: 1.2em; margin-left: 10px;">📄</span> <span style="font-size: 1.2em; margin-left: 10px;">🗑</span>	

ITEMS 1 - 1

**DETAILS**

STATUS ● Successful

STARTED 6/23/2019 7:20:20 PM

FINISHED 6/23/2019 7:20:29 PM

JOB TEMPLATE Hello World

JOB TYPE Run

LAUNCHED BY admin

INVENTORY Test Inventory

PROJECT ● Samples Repo

REVISION 347e44f

PLAYBOOK hello\_world.yml

ENVIRONMENT /var/lib/awx/venv/ansible

EXECUTION NODE awx

INSTANCE GROUP tower

EXTRA VARIABLES YAML | JSON EXPAND

1 ---

Hello World

PLAYS 1 | TASKS 2 | HOSTS 1 | ELAPSED 00:00:00

SEARCH Q KEY

```

1
2 PLAY [Hello World Sample] ***** 19:20:25
3
4 TASK [Gathering Facts] ***** 19:20:25
5 ok: [localhost]
6
7 TASK [Hello Message] ***** 19:20:29
8 ok: [localhost] => {
9   "msg": "Hello World!"
10 }
11
12 PLAY RECAP ***** 19:20:29
13 localhost : ok=2  changed=0  unreachable=0  failed=0  skipped=0  rescu
14 ed=0  ignored=0
                    
```

**NEW USER** ✕

DETAILS ORGANIZATIONS TEAMS PERMISSIONS

FIRST NAME

LAST NAME

\* ORGANIZATION

\* EMAIL

\* USERNAME

\* PASSWORD

\* CONFIRM PASSWORD

USER TYPE

CANCEL SAVE

**NEW ORGANIZATION** ✕

DETAILS USERS PERMISSIONS

\* NAME

DESCRIPTION

INSTANCE GROUPS

CANCEL SAVE