

Ansible-core 2.13 Porting Guide

This section discusses the behavioral changes between `ansible-core 2.12` and `ansible-core 2.13`.

It is intended to assist in updating your playbooks, plugins and other parts of your Ansible infrastructure so they will work with this version of Ansible.

We suggest you read this page along with [ansible-core Changelog for 2.13](#) to understand what updates you may need to make.

This document is part of a collection on porting. The complete list of porting guides can be found at [ref:porting guides](#) `<porting_guides>`.

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\porting_guides\[ansible-devel][docs][docsite][rst][porting_guides]porting_guide_core_2.13.rst, line 14); [backlink](#)

Unknown interpreted text role "ref".

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Playbook

- **Templating** - You can no longer perform arithmetic and concatenation operations outside of the jinja template. The following statement will need to be rewritten to produce `[1, 2]`:

```
- name: Prior to 2.13
  debug:
    msg: '[1] + {{ [2] }}'

- name: 2.13 and forward
  debug:
    msg: '{{ [1] + [2] }}'
```

- The return value of the `__repr__` method of an undefined variable represented by the `AnsibleUndefined` object changed. `{{ '%r'|format(undefined_variable) }}` returns `AnsibleUndefined(hint=None, obj=missing, name='undefined_variable')` in 2.13 as opposed to just `AnsibleUndefined` in versions 2.12 and prior.
- The `finalize` method is no longer exposed in the globals for use in templating. To convert `None` to an empty string the following expression can be used: `{{ value if value is not none }}`.

Command Line

No notable changes

Deprecated

No notable changes

Modules

- To use `ansible-core 2.13` for module execution, you must use Python 2 version 2.7 or Python 3 version 3.5 or newer. Any code utilizing `ansible.module_utils.basic` will not function with lower Python versions.

Modules removed

The following modules no longer exist:

- No notable changes

Deprecation notices

No notable changes

Noteworthy module changes

No notable changes

Breaking Changes

- `ansible.module_utils.urls.fetch_url` will now return the captured `HTTPError` exception as `r.HTTPError` is a response like object that can offer more information to module authors. Modules should rely on `info['status'] >= 400` to determine if there was a failure, instead of using `r is None` or catching `AttributeError` when attempting `r.read()`.

Plugins

No notable changes

Porting custom scripts

No notable changes

Networking

No notable changes