

Target Host Errors

Missing Python Libraries

If you have an Ansible playbook that is failing on a target host, it's likely that the Python libraries on the target host, are incompatible with the version of Ansible.

This would present with an error message starting with:

An exception occurred during task execution. To see the full traceback, use `-vvv`. The error was:
ModuleNotFoundError: No module named 'ansible.module_utils.six.moves'

Here's what it would look like when running the playbook from the command line:

```
an exception occurred during task execution. To see the full traceback, use -vvv. The error was: ModuleNotFoundError: No module named 'ansible.module_utils.six.moves'
backups01 | FAILED! => (
  "changed": false,
  "module_stderr": "Connection to 192.168.120.98 closed.\r\n",
  "module_stdout": "Traceback (most recent call last):\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737891224.9444818-3931132-354494919638492/AnsiballZ_ping.py", line 102, in <module>\r\n   ansible_main()\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737891224.9444818-3931132-354494919638492/AnsiballZ_ping.py", line 94, in ansible_main\r\n   invoke_module(zipped_mod, temp_path, ANSIBALLZ_PARAMS)\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737891224.9444818-3931132-354494919638492/AnsiballZ_ping.py", line 37, in invoke_module\r\n   from ansible.module_utils import basic\r\n File \"/tmp/ansible_ping_payload_5h161_mv/ansible_ping_payload.zip/ansible/module_utils/basic.py", line 176, in <module>\r\nModuleNotFoundError: No module named 'ansible.module_utils.six.moves'\r\n",
  "msg": "MODULE FAILURE\r\nSee stdout/stderr for the exact error",
  "rc": 1
}

```

Here's what it would look like when running from RunDeck:

```
TASK [Gathering Facts] *****
fatal: [backups01]: FAILED! => {"ansible_facts": {}, "changed": false, "failed_modules": {"ansible_legacy_setup": {"exception": "Traceback (most recent call last):\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737889307.770781-3929495-28265511356503/AnsiballZ_setup.py", line 102, in <module>\r\n   ansible_main()\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737889307.770781-3929495-28265511356503/AnsiballZ_setup.py", line 94, in ansible_main\r\n   invoke_module(zipped_mod, temp_path, ANSIBALLZ_PARAMS)\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737889307.770781-3929495-28265511356503/AnsiballZ_setup.py", line 37, in invoke_module\r\n   from ansible.module_utils import basic\r\n File \"/tmp/ansible_legacy_setup_payload_2460ikxe/ansible_legacy_setup_payload.zip/ansible/module_utils/basic.py", line 176, in <module>\r\nModuleNotFoundError: No module named 'ansible.module_utils.six.moves'\r\n", "failed": true, "module_stderr": "Connection to 192.168.120.98 closed.\r\n", "module_stdout": "Traceback (most recent call last):\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737889307.770781-3929495-28265511356503/AnsiballZ_setup.py", line 102, in <module>\r\n   ansible_main()\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737889307.770781-3929495-28265511356503/AnsiballZ_setup.py", line 94, in ansible_main\r\n   invoke_module(zipped_mod, temp_path, ANSIBALLZ_PARAMS)\r\n File \"/home/gjwhite/.ansible/tmp/ansible-tmp-1737889307.770781-3929495-28265511356503/AnsiballZ_setup.py", line 37, in invoke_module\r\n   from ansible.module_utils import basic\r\n File \"/tmp/ansible_legacy_setup_payload_2460ikxe/ansible_legacy_setup_payload.zip/ansible/module_utils/basic.py", line 176, in <module>\r\nModuleNotFoundError: No module named 'ansible.module_utils.six.moves'\r\n", "msg": "MODULE FAILURE\r\nSee stdout/stderr for the exact error", "rc": 1}}, "msg": "The following modules failed to execute: ansible_legacy_setup\r\n"}

PLAY RECAP *****
backups01 : ok=0 changed=0 unreachable=0 failed=1 skipped=0 rescued=0 ignored=0

Setting project property: 1737889306641.node.localhost.LocalNodeExecutor.result -> 2
Result: 2
Failed: NonZeroResultCode: Result code was 2
[workflow] finishExecuteNodeStep(localhost): NodeDispatch: NonZeroResultCode: Result code was 2
3: Workflow step finished, result: Dispatch failed on 1 nodes: [localhost: NonZeroResultCode: Result code was 2 + {dataContext=%!tDataContextImpl(map={ContextView(node:localhost)=BaseContext({exec={exitCode=2}}), ContextView(step:3, node:localhost)=BaseContext({exec={exitCode=2}}), base=null})}]
[workflow] Finish step: 3,NodeDispatch

```

You can either downgrade the python library to a compatible version.
Or, upgrade Ansible to a version that is compatible with the Python library on the target host.

See this page for the Python version range that each version of Ansible supports:
https://docs.ansible.com/ansible/latest/reference_appendices/release_and_maintenance.html

Revision #4

Created 26 January 2025 11:47:14 by glwhite

Updated 22 September 2025 00:09:18 by glwhite