

Ansible Reference: Module Utilities

This page documents utilities intended to be helpful when writing Ansible modules in Python.

AnsibleModule

To use this functionality, include `from ansible.module_utils.basic import AnsibleModule` in your module.

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\reference_appendices\ (ansible-devel) (docs) (docsite) (rst)
(reference_appendices)module_utils.rst, line 17)
```

Unknown directive type "autoclass".

```
.. autoclass:: ansible.module_utils.basic.AnsibleModule
   :members:
   :noindex:
```

Basic

To use this functionality, include `import ansible.module_utils.basic` in your module.

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\reference_appendices\ (ansible-devel) (docs) (docsite) (rst)
(reference_appendices)module_utils.rst, line 26)
```

Unknown directive type "automodule".

```
.. automodule:: ansible.module_utils.basic
   :members:
```

Argument Spec

Classes and functions for validating parameters against an argument spec.

ArgumentSpecValidator

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\reference_appendices\ (ansible-devel) (docs) (docsite) (rst)
(reference_appendices)module_utils.rst, line 38)
```

Unknown directive type "autoclass".

```
.. autoclass:: ansible.module_utils.common.arg_spec.ArgumentSpecValidator
   :members:
```

ValidationResult

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\reference_appendices\ (ansible-devel) (docs) (docsite) (rst)
(reference_appendices)module_utils.rst, line 44)
```

Unknown directive type "autoclass".

```
.. autoclass:: ansible.module_utils.common.arg_spec.ValidationResult
   :members:
   :member-order: bysource
   :private-members: _no_log_values # This only works in sphinx >= 3.2. Otherwise it shows all private members w
```

Parameters

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\reference_appendices\ (ansible-devel) (docs) (docsite) (rst)
(reference_appendices)module_utils.rst, line 52)
```

Unknown directive type "automodule".

```
.. automodule:: ansible.module_utils.common.parameters
   :members:

.. py:data:: DEFAULT_TYPE_VALIDATORS

   :class:`dict` of type names, such as ``'str'``, and the default function
   used to check that type, :func:`~ansible.module_utils.common.validation.check_type_str` in this case.
```

Validation

Standalone functions for validating various parameter types.

```
System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-
devel\docs\docsite\rst\reference_appendices\ (ansible-devel) (docs) (docsite) (rst)
(reference_appendices)module_utils.rst, line 65)
```

Unknown directive type "automodule".

```
.. automodule:: ansible.module_utils.common.validation
   :members:
```

Errors

System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\reference_appendices\ansible-devel (docs) (docsite) (rst) (reference_appendices)module_utils.rst, line 72)

Unknown directive type "automodule".

```
.. automodule:: ansible.module_utils.errors
   :members:
   :member-order: bysource
```