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

Unknown directive type "automodule".

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