Filter plugins

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Filter plugins manipulate data. With the right filter you can extract a particular value, transform data types and formats, perform mathematical calculations, split and concatenate strings, insert dates and times, and do much more. Ansible uses the :ref:`standard filters <jinja2:builtin-filters>` shipped with Jinja2 and adds some specialized filter plugins. You can :ref:`create custom Ansible filters as plugins <developing_filter_plugins>`.

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\plugins\[ansible-devel][docs][docsite][rst][plugins]filter.rst`**, line 10); *backlink***
>
> Unknown interpreted text role "ref".

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\plugins\[ansible-devel][docs][docsite][rst][plugins]filter.rst`**, line 10); *backlink***
>
> Unknown interpreted text role "ref".

Enabling filter plugins

You can add a custom filter plugin by dropping it into a `filter_plugins` directory adjacent to your play, inside a role, or by putting it in one of the filter plugin directory sources configured in :ref:`ansible.cfg <ansible_configuration_settings>`.

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\plugins\[ansible-devel][docs][docsite][rst][plugins]filter.rst`**, line 17); *backlink***
>
> Unknown interpreted text role "ref".

Using filter plugins

For information on using filter plugins, see :ref:`playbooks_filters`.

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\plugins\[ansible-devel][docs][docsite][rst][plugins]filter.rst`**, line 24); *backlink***
>
> Unknown interpreted text role "ref".

> **System Message: ERROR/3 (**`D:\onboarding-resources\sample-onboarding-resources\ansible-devel\docs\docsite\rst\plugins\[ansible-devel][docs][docsite][rst][plugins]filter.rst`**, line 26)**
>
> Unknown directive type "seealso".
>
> ```
> .. seealso::
>
>    :ref:`about_playbooks`
>        An introduction to playbooks
>    :ref:`inventory_plugins`
>        Inventory plugins
>    :ref:`callback_plugins`
>        Callback plugins
>    :ref:`test_plugins`
>      Test plugins
>    :ref:`lookup_plugins`
>        Lookup plugins
>    `User Mailing List <https://groups.google.com/group/ansible-devel>`_
>        Have a question?  Stop by the google group!
>    :ref:`communication_irc`
>        How to join Ansible chat channels
> ```