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# **Ansible Collection - Systemd**

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**Nov 28, 2023**



## **USAGE**

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**Tip:** Check out the repository on [GitHub](#)

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## INSTALLATION

### 1.1 Ansible

See the [documentation](#) on how to install Ansible.

### 1.2 Dependencies

Systemd must be installed and running on the target system.

### 1.3 Collection

```
# stable version:
ansible-galaxy collection install ansibleguy.systemd

# latest version:
ansible-galaxy collection install git+https://github.com/ansibleguy/collection_systemd.
↪git

# install to specific directory for easier development
cd $PLAYBOOK_DIR
ansible-galaxy collection install git+https://github.com/ansibleguy/collection_systemd.
↪git -p ./collections
```

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**Tip:** Check out the repository on [GitHub](#)

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## SYSTEMD JOURNAL

Service Docs: [Systemd Journalctl](#)

## 2.1 Definition

### 2.1.1 `ansibleguy.systemd.journal`

Module alias: `ansibleguy.systemd.journalctl`

Table 1: Definition

Parameter	Type	Re-quired	Default	Aliases	Comment
<code>unit</code>	list of strings	true	-	<code>u</code> , <code>svc</code> , <code>units</code> , <code>service</code> , <code>services</code>	One or more systemd units to query the protocol for
<code>lines</code>	integer	false	50	<code>l</code> , <code>c</code> , <code>n</code> , <code>count</code>	How many lines to query
<code>reverse</code>	boolean	false	false	<code>rev</code>	-
<code>limit</code>	string	false	-	<code>lim</code>	One of 'system', 'user'. Show messages from system services and the kernel (with <code>-system</code> ). Show messages from service of current user (with <code>-user</code> ). If neither is specified, show all messages that the user can see
<code>since</code>	string	false	-	<code>start</code> , <code>time_since</code> , <code>start_time</code>	Limit the time period to query for. Examples: '1 hour ago', '2 days ago', '2023-03-24 21:15:00'
<code>until</code>	string	false	-	<code>stop</code> , <code>time_until</code> , <code>stop_time</code>	Limit the time period to query for. Examples: '1 hour ago', '2 days ago', '2023-03-24 21:15:00'
<code>fields</code>	string	false	-	<code>fds</code>	A comma separated list of the fields which should be included in the output. This has an effect only for the output modes which would normally show all fields ( <code>verbose</code> , <code>export</code> , <code>json</code> , <code>json-pretty</code> , <code>json-sse</code> and <code>json-seq</code> ), as well as on <code>cat</code>
<code>format</code>	string	false	-	<code>fmt</code>	Controls the formatting of the journal entries that are shown

## 2.2 Examples

### 2.2.1 ansibleguy.systemd.journal

```
- hosts: localhost
gather_facts: no
tasks:
  - name: Example
    ansibleguy.systemd.journal:
      unit: 'example'
      # lines: "
      # reverse: false
      # limit: "
      # since: "
      # until: "
      # fields: "
      # format: "

  - name: Pulling journal for apache2
    ansibleguy.systemd.journal:
      unit: 'apache2.service'
      register: j1

  - debug:
      var: j1.data

  - name: Pulling journal for nginx and haproxy in the last hour
    ansibleguy.systemd.journal:
      unit: ['nginx.service', 'haproxy.service']
      since: '1 hour ago'
      register: j2

  - debug:
      var: j2.data

  - name: Pulling nftables logs from time period
    ansibleguy.systemd.journal:
      unit: ['nftables.service']
      since: '2023-03-24 21:15:00'
      until: '2023-03-24 21:45:00'
      register: j3

  - debug:
      var: j3.data

  - name: Pulling last 100 docker logs in reverse
    ansibleguy.systemd.journal:
      unit: ['docker.service']
      reverse: true
      lines: 100
      register: j4
```

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- debug:  
  var: j4.data
```