

New issue



ZSH Complaints "bad set of key/value pairs for associative array" for Completion of Service Name for systemctl #8751

✓ Closed



Kipsora opened on Mar 18, 2020 · edited by Kipsora

Edits ▾ ⋮

Describe the bug

The zsh complaints "_systemctl_unit_state: bad set of key/value pairs for associative array" when I typed in "systemctl enable blu" and then press TAB for completion.

To Reproduce

From a clean install of ohmyzsh:

1. Type "systemctl enable blu" (where I supposed to type "systemctl enable bluetooth.service" as completion)
2. Press TAB
3. See error

Expected behavior

I think the complaints "_systemctl_unit_state: bad set of key/value pairs for associative array" should not be occurred here and the command (service name) should be completed.

Screenshots and/or Recordings

```
$ systemctl enable blue
_systemctl_unit_state: bad set of key/value pairs for associative array
_systemctl_unit_state: bad set of key/value pairs for associative array
_systemctl_unit_state: bad set of key/value pairs for associative array
```



Desktop (please complete the following information):

- OS / Distro: Arch Linux
- Latest ohmyzsh Update?: Yes
- ZSH Version: zsh 5.8 (x86_64-pc-linux-gnu)
- Terminal emulator: gnome-terminal

Additional context

I've also tried to remove the `.zcompdump*` files but it still does not work.



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Kipsora added

Support

on Mar 18, 2020



mcornella added

Topic: completion

on Mar 20, 2020



mcornella on Mar 20, 2020 · edited by mcornella

Edits ▼

Member



The `_systemctl` completion file is distributed by systemd, what version of systemd do you run? (`systemctl --version`)



timsummerer on Mar 20, 2020



I have faced this issue on `systemd 245 (245.2-2-arch)` and previous builds on 245.

mcornella on Mar 20, 2020

Member ...

Try to complete the command, then run `typeset -f -t _systemctl_unit_state` and try to complete it again, then post the output shown.

timsommerer on Mar 20, 2020

...

```
+_systemctl_unit_state:0> typeset -gA _sys_unit_state
+_systemctl_unit_state:0> _sys_unit_state=+_systemctl_unit_state:0> __systemctl list-unit-files 'blue*'
+_systemctl:2> systemctl --full --no-legend --no-pager list-unit-files 'blue*'

+_systemctl_unit_state:0> _sys_unit_state=( bluetooth-mesh.service disabled disabled bluetooth.service enabled disabled bluetooth.target static
disabled ) _systemctl_unit_state: bad set of key/value pairs for associative array

+_systemctl_unit_state:0> typeset -gA _sys_unit_state
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disabled ) _systemctl_unit_state: bad set of key/value pairs for associative array
```



asolopovas on Mar 21, 2020 · edited by asolopovas

Edits ...

zsh 5.8 (x86_64-pc-linux-gnu), systemd 245 (245.2-2-arch)
+1

Kipsora on Mar 21, 2020

Author ...

The `_systemctl` completion file is distributed by systemd, what version of systemd do you run? (`systemctl --version`)

Thanks for the quick reply! I have the similar output to Summerer:

```
$ typeset -f -t _systemctl_unit_state
$ systemctl --version
systemd 245 (245.2-2-arch)
+PAM +AUDIT -SELINUX -IMA -APPARMOR +SMACK -SYSVINIT +UTMP +LIBCRYPTSETUP +GCRYPT +GNUTLS +ACL +XZ +LZ4 +SECCOMP +BLKID +ELFUTILS +KMOD +IDN2 -IDN +PCF
$ systemctl enable blu+_systemctl_unit_state:0> typeset -gA _sys_unit_state
+_systemctl_unit_state:0> _sys_unit_state=+_systemctl_unit_state:0> __systemctl list-unit-files 'blu*'
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+_systemctl_unit_state:0> _sys_unit_state=( bluetooth-mesh.service disabled disabled bluetooth.service disabled disabled bluetooth.target static disabled)
```



mcorbella on Mar 23, 2020

Member ...

Looks like systemd 245 probably changed the output of `systemctl list-unit-files` to add a second column, which is what's being added to the `_sys_unit_state` associative array. This is the output I get in 242 (note there are only 2 columns instead of the 3 you get):

```
$ systemctl --full --no-legend --no-pager list-unit-files 'blu*'
bluetooth.service enabled
bluetooth.target static
```

This is a bug in either [the completion script](#) or the `list-unit-files` subcommand, which changed the output without maintaining backward compatibility. I suggest you open an issue on the systemd repo.



mcornella closed this as completed on Mar 23, 2020



mcornella added **Resolution: not our...** on Mar 23, 2020



timsommerer on Mar 23, 2020



systemd master got a workaround/fix applied. It involves the flag `--no-legend` but I didn't look into the details.
see [systemd issue 15077](#)



mcornella on Mar 23, 2020 · edited by mcornella

Edits ▾

Member



While a fix makes it into a new release, you could redefine the `_systemctl_unit_state` function to only use the first two columns:

```
_systemctl_unit_state() {  
  typeset -gA _sys_unit_state  
  _sys_unit_state=( $(__systemctl list-unit-files "$PREFIX*" | awk '{print $1, $2}') )  
}
```



👍 19



lucki1000 on Apr 18, 2020



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```
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```



Hi,

I have the same issue on Arch Arm where can i redefine this function?



Borderliner on Apr 19, 2020



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  _sys_unit_state=( $(__systemctl list-unit-files "$PREFIX*" | awk '{print $1, $2}') ) }
```



Hi,

I have the same issue on Arch Arm where can i redefine this function?

I think copy/pasting the above function into the bottom of `~/.zshrc` does the job.



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cattyhouse mentioned this on May 27, 2020



[systemctl complete issue and fix zimfw/zimfw#396](#)



rishabhdeepsingh on Nov 8, 2020



Hey guys, I am also facing the same issue, on my MAC terminal. how do I fix it?
I tried adding the above function to my `.zshrc` but didn't work.



mcornella on Nov 8, 2020

Member



If this doesn't happen with systemctl completion you should open a new issue.



huyhoang8398 on Mar 24, 2022



I still having this issue on Ubuntu 20.04 with zsh 5.8 (x86_64-ubuntu-linux-gnu)



mcornella on Mar 24, 2022

Member



The fix hasn't been released yet (will make it into zsh 5.9), look at the above workaround.



ohmyzsh locked and limited conversation to collaborators on Mar 24, 2022

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Assignees

No one assigned

Labels

Resolution: not our issue

Support

Topic: completion

Type

No type

Projects


No projects

Milestone

No milestone

Relationships

None yet

 Code with Copilot Agent Mode

▼

No branches or pull requests

Participants



+3