

## Operating Systems - Bug # 172: Make sure IPv6 is working on a clean ubuntu 18.04 install

<b>Status:</b>	Feedback	<b>Priority:</b>	Normal
<b>Author:</b>	admin	<b>Category:</b>	
<b>Created:</b>	2018-11-13	<b>Assigned to:</b>	
<b>Updated:</b>	2018-12-26	<b>Due date:</b>	
<b>Subject:</b>	Make sure IPv6 is working on a clean ubuntu 18.04 install		
<b>Description:</b>	<p>Ubuntu switched to netplan for network configuration as of 18.04. This seems to write a netplan configuration file <code>/etc/netplan/01-netcfg.yaml</code> containing network settings from the installer environment, but only for IPv4. The result is a VPS that is only configured for IPv4, leaving the user to configure IPv6.</p> <p>Debian guests are still using ifupdown as configured by <code>/etc/network/interfaces</code> and there, IPv6 is expected to work immediately from install.</p> <p>The Ubuntu installer should be fixed to make IPv6 work, either by configuring netplan or reverting to ifupdown.</p>		

### History

#### 2018-11-14 13:49 - admin

Am not getting any feedback on which way I should go with this. Despite me saying I would not personally recommend netplan (or systemd-networkd) for servers, I'm hedging towards having Ubuntu 18.04+ be configured that way because that is what Ubuntu wants to do.

I have to think about what a novice would expect, and generally they would expect an operating system to behave how it would on a bare metal install. Any deviation from the default setup needs to be carefully considered as it will inevitably be a source of confusion. I have a lot of personal views on how things should differ from default configuration but it is not for me to enforce those.

Customers on earlier Ubuntu releases who are using ifupdown (`/etc/network/interfaces`) may be surprised that 18.04 and beyond change to netplan, but at least that is the documented behaviour for Ubuntu, so when they have a problem and search around they should find consistent answers. They can then decide if they want to remove netplan and go back to ifupdown.

If the self-install sticks with netplan then aside from fixing it so it sets up IPv6 and any IPv4 additional addresses, I will also need to update the wiki documentation at <https://tools.bitfolk.com/wiki/IPv6> for the different Ubuntu instructions.

#### 2018-12-26 05:00 - admin

- *Status changed from New to Feedback*

The post-install script of the Ubuntu installer now generates a working netplan config for IPv4 and IPv6. Package netplan.io is installed by default on a new Ubuntu installer, and ifupdown is not present.

The generated `/etc/netplan/01-netcfg.yaml` configures all IPv4 addresses and the `::2/64` IPv6 address. It doesn't add anything for any additional `/56` that customers may have.