**Patch ID: e547a7e & ebd41fd**

**Patch Description:**

**e547a7e**

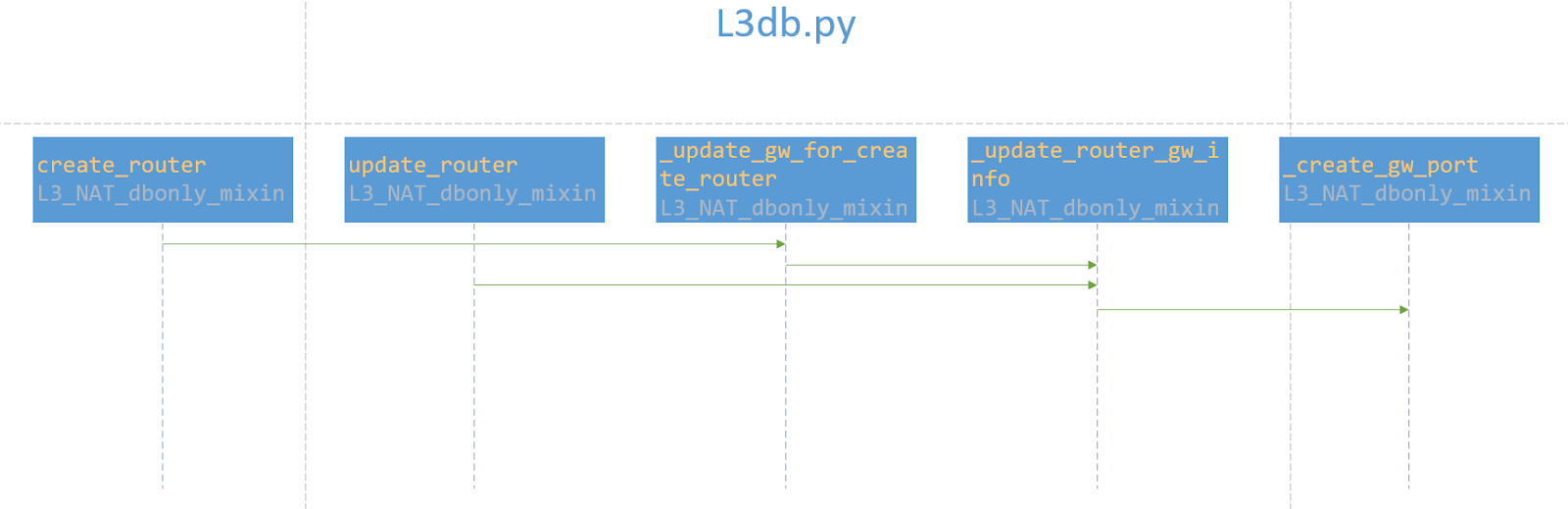
db: fix notify data format for gateway ips  
An upstream commit [1] changed how the gw\_ips passed information thru the notify mechanism.  It changed the data from a dict to a list of IP addresses but missed one line which is causing an exception in the neutron-dynamic-routing subproject in \_handle\_router\_gateway\_after\_create.

[1] efe1c3087c1b47b67acc121b0f31e04c9fa0dd72

**ebd41fd**

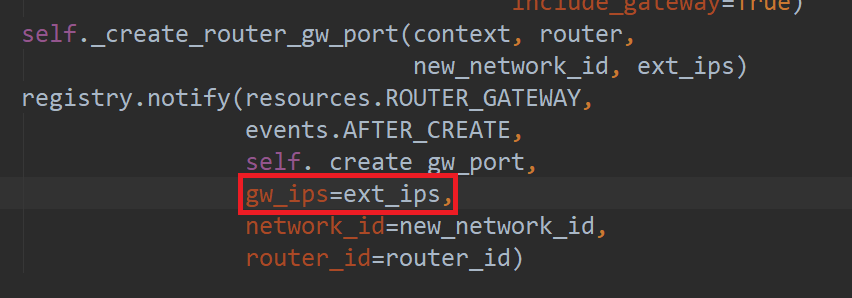
fixup! db: fix notify data format for gateway ips

**Call Flow**

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**Analysis**

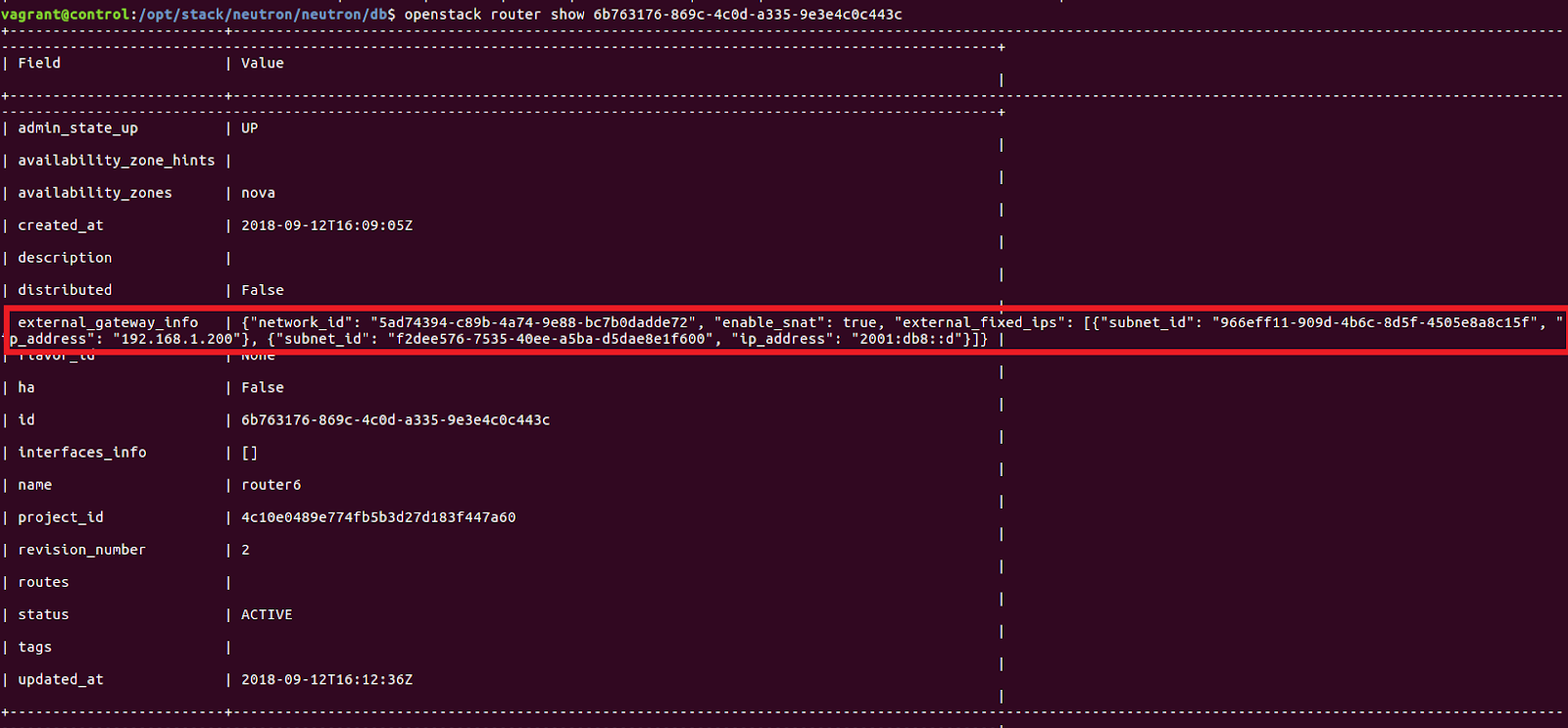
Code for neutron upstream now:



ext\_ips: external\_fixed\_ips

Example:

ext\_ips = [{"subnet\_id": "966eff11-909d-4b6c-8d5f-4505e8a8c15f",  
            "ip\_address": "192.168.1.200"},  
           {"subnet\_id": "f2dee576-7535-40ee-a5ba-d5dae8e1f600",  
            "ip\_address": "2001:db8::d"}]



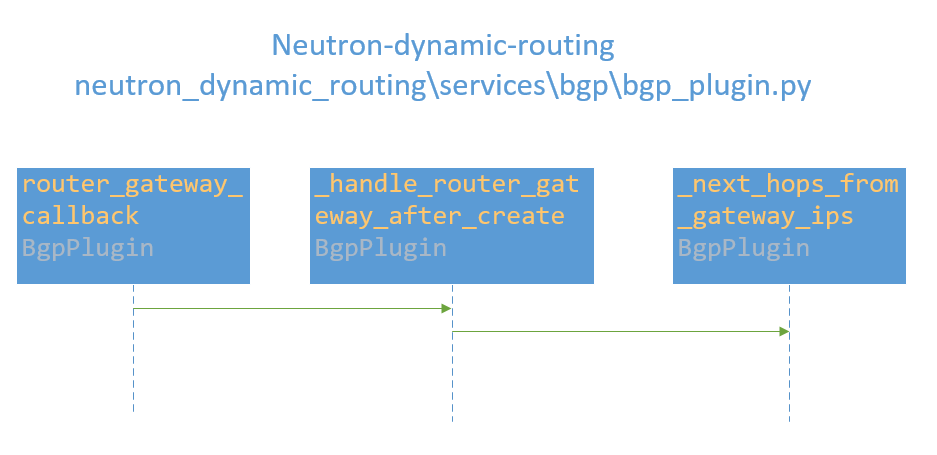
gw\_ips: gateway\_ips

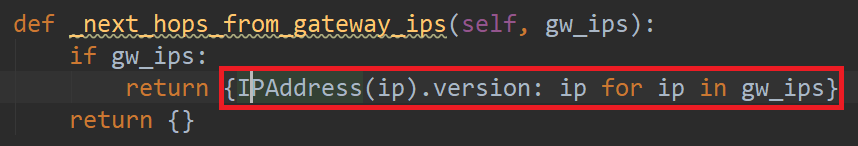
gw\_ips = [x['ip\_address'] for x in router.gw\_port.fixed\_ips]

Example:

gw\_ips = ['192.168.1.200', '2001:db8::d']

bgp\_plugin in the project neutron-dynamic-routing will subscribe the topic and process the event.





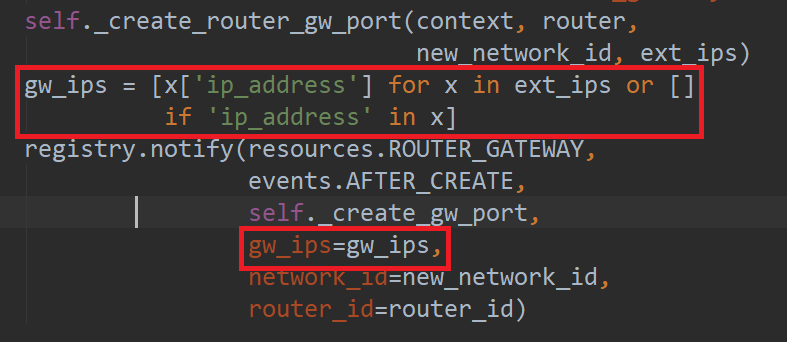
Function \_next\_hops\_from\_gateway\_ips process the gw\_ips finally. If the ext\_ips are sent as gw\_ips, then function  \_next\_hops\_from\_gateway\_ips can’t process it. “TypeError: unhashable type: 'dict'” will occur.

Example:

ext\_ips = [{"subnet\_id": "966eff11-909d-4b6c-8d5f-4505e8a8c15f",  
            "ip\_address": "192.168.1.200"},  
           {"subnet\_id": "f2dee576-7535-40ee-a5ba-d5dae8e1f600",  
            "ip\_address": "2001:db8::d"}]

gw\_ips = ['192.168.1.200', '2001:db8::d']

The code should be fixed in this way:



**Summary**

* It’s a bug for neutron upstream and should be fixed.