VNC ip and port hack in Openstack.

- dharmalingam S

To access the host node ip and port in the novnc, please find the following codes.

i am writing inside the file while getting access from the browser to nova component.
the file will be stored under /tmp/ folder with intance id as the filename.
While loading i am reading the file and showing in the dashboard.

For getting the host node IP of the Vm and port (x.x.x.x:59xx)

Nova-api Component:

modified file: nova/compute/api.py

```
 def get_vnc_console(self, context, instance, console_type):

          -----------------
            connect_info['internal_access_path'], instance.uuid,
            access_url=connect_info['access_url'])
+   try:
+       with open('/tmp/'+instance.uuid, 'w') as tmp_file:
+           data_sock =
instance.uuid+'$'+connect_info['host']+'$'+connect_info['port']+'$'+connect_info['access_url']
+           tmp_file.write(data_sock)
+
+   except Exception as e:
+           print e
        return {'url': connect_info['access_url']}
```

In the horizon:

1. modified file :   openstack_dashboard/dashboards/project/instances/tabs.py

```
class ConsoleTab(tabs.Tab):
        if console_type == "SERIAL":
           console_url = reverse('horizon:project:instances:serial',
                        args=[instance.id])
+          # for vnc ip and port - dharmalingam
+          with open('/tmp/'+instance.id,'r') as tmp_f:
+            data = tmp_f.readlines();
```

```
+            data = data[0].split('$')
+
      except exceptions.NotAvailable:
         exceptions.handle(request, ignore=True, force_log=True)

      return {'console_url': console_url, 'instance_id': instance.id,
-            'console_type': console_type}
+            'console_type': console_type, 'hostip_port': data}
```

2. modified file:
openstack_dashboard/dashboards/project/instances/templates/instances/_detail_console.html

```
@@ -1,14 +1,20 @@
{% load i18n %}
{% load url from future %}

-<h3>{% trans "Instance Console" %}</h3>
+
+
+
+<h3>{% trans "Instance Console" %}</h3> print console_type {{ console_type }}
{% if console_url %}
<p class='alert alert-info'>
{% if console_type != 'SERIAL' %}
{% blocktrans %}If console is not responding to keyboard input: click the grey status bar
below.{% endblocktrans %}
{% endif %}
<a href="{{ console_url }}"  style="text-decoration: underline">{% trans "Click here to show only
console" %}</a><br />
-    {% trans "To exit the fullscreen mode, click the browser's back button." %}</p>
+    {% trans "To exit the fullscreen mode, click the browser's back button." %}<br />
+    {% trans "Note: To access the VM from you vinagre (Remote Desktop viewer), use the
following link."%}<b> {{ hostip_port.1}}:{{hostip_port.2}}
+
+</p>
<iframe id="console_embed" src="{{ console_url }}" style="width:100%;height:100%"></iframe>
```

After modifying the source code of both components just remember to restart the
  * nova-api
  * horizon services.s