

Re: [Ticket#202002040000046] Request for help on VM for msc group project

OTRS System <otrs@doc.ic.ac.uk>

周二 2020/2/4 13:07

收件人: Liu, Fengming <fengming.liu19@imperial.ac.uk>

Dear Fengming,

On 04/02/2020 12:00, Liu Fengming wrote:

> Dear officer,
> I'm a msc student and our team will use VM for group project. Our
> project is a web app doing sentiment analysis on twitter and news. Since our
web
> app will collect feedback from users, we need your help in exposing our VMs to
the
> public. Particularly, we'd like to open 146.169.42.221:8050 and
> 146.169.42.244:8050 to the external network. 42-221 is controlled by me
(Fengming
> Liu, fl719) and 42-244 is controlled by my teammate (Ziyu Zhang, zz1916). Our
> supervisor is Dr. Anandha Gopalan.

Could you move the web services on those two VMs to the standard port 80, or
failing that
the commonly used alternative port 8080, before we lodge a request with ICT
network security
to enable webserver firewall exceptions for those two VMs?

They'll want the websites to be up and running, with reasonable content
explaining their
purpose, BEFORE they conduct a security scan on the web servers and grant a web
access
firewall exception (which will cover ports 80 and 8080, but not 8050). I just
went to
<http://cloud-vm-42-221.doc.ic.ac.uk:8050/> and got a blank page; they'll require
much more
than that.

Next, did you want temporary symbolic names for:

cloud-vm-42-221.doc.ic.ac.uk
and
cloud-vm-42-244.doc.ic.ac.uk

that express their "Twitter sentiment analysis" purpose, and distinguish between the purpose of the two?

> Plus, we may need to use a large amount of storage to collect data (e.g. > twitter data). Therefore, we need 2T storage for both VMs. Please help us enlarge > the storage.
> I'm looking forward to your reply.

2TB of storage for a single VM is a ridiculously large amount (and doubly so for two VMs too, especially as you say in case you "may" need it). Talk with Anandha, and suggest a more modest amount.

In fact, rather than using scarce VM backend storage for some smaller volume of data, I suggest that you store a single copy in your /vol/project/2019/530/g1953004 directory, which is on a 450GB volume (for all projects, not just yours), and which we could expand if necessary by a few hundred GB (but probably NOT by multiple TBs).

Or alternatively you could use the 28TB non-backed up volume known as /vol/bitbucket: create yourself a /vol/bitbucket/g1953004 directory, chgrp it to g1953004 and enable group write and setgid, and store materials ONLY inside that directory. That volume currently has 1.5TB free (but don't use it all!).

Suitable commands to create that directory might be:

```
mkdir /vol/bitbucket/g1953004  
chgrp g1953004 !$
```

```
chmod -R g+rws !$
```

> Regards,
> Michael (Fengming Liu)

Best Wishes

Duncan White <d.white@imperial.ac.uk>

Computing Support Group