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Azure: DNS, CNAME and Certificates

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DNS

The way to register for DNS be it public facing and private facing address is as follows:

- Make sure the resource (VM, LB) configured has a static IP Address
- Register the static IP address using the normal DNS methodology at GSK.
 - Fill up the form (XLS) and open a ticket with GSK to register the domain. *.mpapp.gsk.com, or app.mo.gsk.com
 - XLS to be filled [DNS_Update_template.xls](#)
 - Open a ticket https://servicescatalog.gsk.com/#@loadWidget:newrequest|tab|process_id=4727
 - The step above will register A record in the DNS server. If you also want to do CNAME look at the document below for instructions.
 - <https://docs.microsoft.com/en-us/azure/cloud-services/cloud-services-custom-domain-name-portal>
- For Private Static IP Address there are two ways
 - One configure the LB and get the dynamic IP Address and make it static
 - Or send an email to Platform_Ops we can allocate you a static IP Address.

Certificates

For applications especially for SSL termination needs a signed certificate the process is

- Got to <https://certificates.gsk.com/>
 - The keys that you have generated you can get it signed. One key aspect that might be needed is a Pandora ID, so might have to register the asset in Pandora.
- Azure and managing certificates a good reference is
 - <https://docs.microsoft.com/en-us/azure/cloud-services/cloud-services-configure-ssl-certificate-portal>

Scenario: Server Certification validation failed

If the Marketplace OS is being used and the Application needs to talk to resources like Enterprise GSK GitHub etc and run into errors like the example below:

- Issue – Cannot access VM from Azure, cert issue, git clone fails
 - git clone <https://github.gsk.com/ad735811/ckan.git>
 - Cloning into 'ckan'...
 - fatal: unable to access 'https://github.gsk.com/ad735811/ckan.git': server certificate verification failed. CAfile: /etc/ssl/certs/ca-certificates.crt CRLfile: none

The way to resolve the issue is:

- Go to <https://certificates.gsk.com/>
- At the bottom of the page, click on [CA 2048](#), this will download the cert file
- Open the file in your favorite editor and copy the contents of the file
- Go to your server take a backup of the file /etc/ssl/certs/ca-certificates.crt
- Open the original file /etc/ssl/certs/ca-certificates.crt in your editor (vi) and paste the details copied from step 3 at the bottom of the cert file. Save it and retry the git command again this should work.
- If you are not able to edit file try editing the file in sudo mode (sudo vi /etc/ssl/certs/ca-certificates.crt)

No labels

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