

# Azure Database App on VM

Here, we add the popular OpenSource database manager *phpMyAdmin* to our VM from #005.

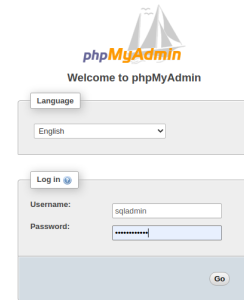
Goal is to see the login screen and working manager under *nginx* on port 443 (https) with *Let's Encrypt* certificate, ingoing and outgoing NSG, attached MySQL-Database (not yet provided here), and initialized *phpmyadmin* database under:

`<your_domain_label>.<location>.cloudapp.azure.com/phpmyadmin/index.php`

Most things are hardwired. Output is your public IP and your FQDN.

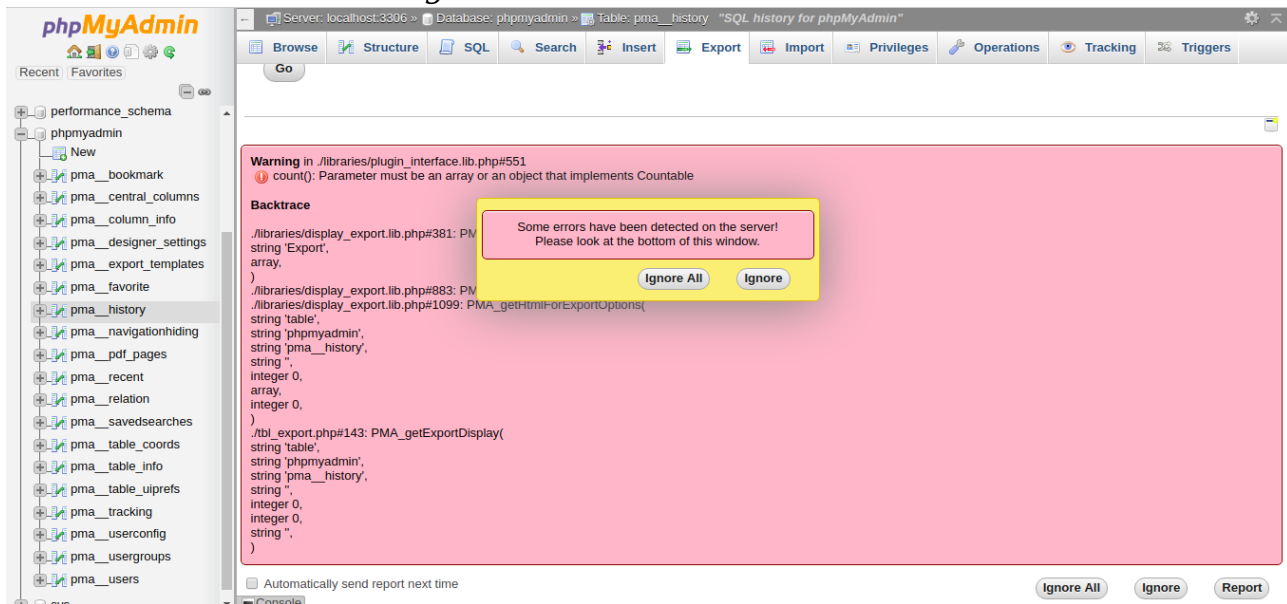
## Attention!

You must provide the needed SQL-server from elsewhere. It is not part of this setup.



## Attention!

There is a bug in current phpMyAdmin. It causes constant error messages because `parameter of count()` is not an array, or some such. Thus, there is a `sed-command` in `install-nginx.sh`.



```
sudo sed -i "s/|s*|((count(\$analyzed_sql_results['select_expr']\)|\)| (\1))/g"  
/usr/share/phpmyadmin/libraries/sql.lib.php
```

You might want to comment it out if you have a version `> phpMyAdmin-4.6.6`

## Attention!

EFF's certbot only allows for **5** CSR per 168h (=7 days). Therefore, there is a line in `install-nginx.sh` which starts with

```
sudo /bin/sh -v -c "/usr/bin/certbot --test-cert --agree-tos ...
```

This does the complete installation of a certificate. But with a dummy. Remove the switch `--test-cert` if you want a valid certificate.

### Things you should change:

Everything in <i>variables.tf</i>	Your custom values
azurerm_resource_group.location	Your location
azurerm_linux_virtual_machine	<i>Standard_&lt;cheapest_SKU&gt;</i>
azurerm_public_ip.domain_name_label	<i>&lt;1st_part_of_your_dns_name&gt;</i>
<i>&lt;your_email&gt;@somewhere (install-nginx.sh)</i>	Your e-mail for certs
<i>&lt;your_FQDN&gt; (install-nginx.sh)</i>	Output FQDN from terraform run
<i>&lt;your_DB_FQDN&gt;</i>	n/a
<i>&lt;your_DB_USER&gt;</i>	n/a
<i>&lt;your_DB_PWD&gt;</i>	n/a