Andrew Rochford

Section 1:

FQDN:

arochfordsql.southcentralus.cloudapp.azure.com

arochford.southcentralus.cloudapp.azure.com

A computer screen shot of a blue screen

Description automatically generatedA computer screen shot of a blue screen

Description automatically generated

Section 2:

http://arochford.southcentralus.cloudapp.azure.com

A screen shot of a computer

Description automatically generated<https://arochfordsql.southcentralus.cloudapp.azure.com>

A screenshot of a computer

Description automatically generated

A computer screen with a white background

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Section 3: Networking

1. What are **inbound port rules**? Answer the question and provide a screen shot of your inbound port rules for both servers. Are there differences in inbound rules between the servers? If the servers are the same, should they be the same?
   1. Both servers have the following inbound port rules: 300, 320, 340, 1010, 65000, 65001, 65500. Inbound port rules are set by the administrator in order to allow certain types of traffic to your webserver. These allow for things like remote access.
   2. A screenshot of a computer

      Description automatically generatedA screenshot of a computer

      Description automatically generatedThere’s no difference in port rules for either machines, but I do think they should be different since one is a sql server that would be handling databases.
2. What are outbound port rules? Answer the question and provide a screen shot of your outbound port rules for both servers. Are there differences in outbound rules between the servers? If the servers are the same, should they be the same?
   1. Both servers have the following outbound port rules: 65000, 65001, and 65500. Outbound port rules are just like inbound port rules but they deal with traffic going outbound from your webserver and what’s allowed to leave.
   2. There’s no difference in outbound port rules for either machines, but again, since one is supposed to be used for a database, the rules should reflect that.
3. Private and public IP addresses

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Section 3: Disks

1. Yes; SSE with PMK, it is a server-side encryption with a customer-managed key. And uses 256-bit AES encryption
2. Standard HDD LRS; and other types you can use are SSD and ultra disk.
3. The disk export function gives the user a link to use to export the disk content onto a new drive. This would be great for administrators who want to keep every vm to be identical before deploying to the other users.
4. The export template function is so the same disk can be cloned but without it’s content. If an administrator wants to clone one disk onto multiple machines all with the same setup, they can use the template so each disk is functionally the same.