Standalone CGF Azure Firewall Migration

7.x to 8.2 Upgrade

Prep work (Phase 1)

# ARM Portal

1. Verify the naming convention of the old firewall and new firewalls

2. Gather tags for: VM name, NSG name, os disk name

3. Gather information on RG, Vnet name, subnet, IP’s etc.

4. Gather IP information both prod and temporary IPs

# Control Center

1. Prepare new firewall configs. New clusters, Move, Copy, repos, paste. Done!

2. Verify and Validate

3. Gotchas: Interfaces, routes, VIPs, service properties, Remote Mgmt Tunnel and Firewall rules and Backdoors!!!!!

4. Set the Remote Mgmt tunnel!!!!

5. Verify and Validate for gotchas

6. Export PAR File to safe place and store password for root and PAR

# [Github/powerschool](https://github.com/ntrifiletti/powerschool/)

1. Deploy Standalone firewall script and follow setup
2. Beware this script static assigns the NIC/MIP IP!
3. NEW Firewall now deployed in existing RG.

# (Optional) Firewall Admin

1. These steps will help minimize down time during phase 2.
2. Open Control Center and Open a tab for NEW CGF
3. Manually Copy old firewall rules and Paste into NEW CGF firewall rules
4. Export S2S VPN IKE1 and IKE2 config using Export/Import feature in Firewall admin
5. BGP settings will have to manually copy and pasted.

Surgery (Phase 2)

# ARM Portal

1. Shutdown OLD firewall VM in ARM or Firewall admin

# Firewall Admin

1. Login to NEW Firewall with NEW PIP

2. Change MIP, verify default gw, change Shared IP on MIP

3. Switch to Advanced Mode

4. Select NO – Default Route Via Shared IP under MIP section

5. Verify VPN service IP, double check for remote mgmt etc.

6. Verify Remote Mgmt Access rules in Access rules

7. Send/Activate/FORCE!

8. Firewall Admin will timeout after 60 secs

9. Shutdown firewall via ARM portal

# ARM portal

1. OLD PIP: Disassociate PIP

Wait for commit.

2. OLD NIC: Change IP address to .6 (TEMP IP)

Wait for commit.

3. NEW NIC: Change IP address to .4 AND Disassociate NEW PIP!

Wait for commit.

4. Associate OLD PIP to NEW NIC

Wait for commit.

5. Start NEW CGF VM

# IP AND PIP SWAP COMPLETE

1. Login to NEW CGF with OLD PIP once VM is booted
2. Test basic functionality. Verify network, etc.

# Control Center

1. Verify all the configurations in CC are correct before exporting.
2. Login to Control Center and Export the PAR file for NEW CGF

# Firewall Admin

1. Upload PAR File from CC to NEW CGF via Firewall Admin (or /opt/phion/update on bash)

2. Verify activation (If issues drop on box via ssh)

3. Activate Network Config Change Box/Control

4. Verify remote mgmt to Control Center. Verify operations/networking/access.

5. Verify all box operations, firewall, VPN, AV, updates, etc.

Clean up (Phase3)

# Control Center

1. Verify configuration updates.

2. Fix licensing issues.

3. Verify all operations, access and logging.

# ARM portal – Clean up

1. Clean up unneeded assets in RG like NEW PIP
2. Delete old Azure VM resources no longer needed