

# 2018-03-22

Thursday, March 22, 2018 18:00

- New data centers (new servers)
- New IPs and Hostnames
- Verify prerequisites:
  - Firewall: communication is open according to "*Portnox Deployment - Prerequisites list.pdf*"
  - Switches and IP Helpers are configured with new Portnox servers (e.g. traps, access list)  
[Operating System](#)
  - Windows 2008 / 2012 64 bit R2 / 2016 - (including the latest service pack and hot fixes)
  - Role of Web Server and Windows Process Activation  
  
[Portnox Servers + Backup servers – Virtual machine](#)
  - VMware or Hyper-V
  - 8 CPU
  - 12GB RAM
  - 150GB free disk space  
  
[SQL Server instance](#)
  - MS SQL 2016 or MS SQL 2014 or MS SQL 2012 or MS SQL 2008
  - Access from all Portnox servers to SQL instance
  - Configuration Database – 500MB Size
  - LOG Database - Database size depends on the retention policy.
- Check for any specific environment requirement
  - Export servers registry (to align past adjustments made)
  - Certificates for new servers (for cluster encrypted communication and/or SSL)
  - Custom scripts
  - Web.config
  - Integration service xml
  - Other
- Version alignment
- License for new servers
- Consider increase of: "network status scan interval"
- DB migration (see "*Database Migration Guide.pdf*")
- Install and add new servers to clusters (see "*Cluster Configuration Guide 2.4.pdf*")
  - Check/update registry from old servers
  - Install certificates according to specific environment requirements
  - Custom scripts
  - Web.config
  - Integration service xml
  - Other
- Move network elements + devices from old enforcers to new via DB. See following queries for reference:
  - Update switches to specific enforcer  
update [AccessLayers].[dbo].[pnConfNetworkEntities]  
set enforcerID = <targetEnforcer>  
where enforcerID = <currentEnforcer>;
  - Update IP Helpers to specific enforcer

```
update [AccessLayers].[dbo].[pnConfIPHelper]
set enforcerID = <targetEnforcer>
where enforcerID = <currentEnforcer>;
```

```
--Update devices to specific enforcer
--***Required after backup takeover is not complete
update [AccessLayers].[dbo].[lgConfDevice]
set enforcerID = <targetEnforcer>
where enforcerID = <currentEnforcer>;
```

--Ports will move after device update and service restart

```
--Update default enforcer
update [AccessLayers].[dbo].[pnConfPortnoxServer]
set defaultEnforcer = <targetEnforcer>
where ID = <currentEnforcer>;
```

- Remove old servers from cluster (see "*Cluster Configuration Guide 2.4.pdf*")