AD Health Checks

1. Computer is reachable (test-netconnection)
2. Responding to remote powershell requests
3. Required Port Ranges Open
   1. RPC High Ports TCP 49152-65535 2008 r2 higher
   2. RPC Low Ports TCP 1025-5000 2008 r2 higher and 2003 and lower
   3. ADWS TCP 9389
   4. ADMG TCP 9389
   5. Global Catalog TCP 3268-3269
   6. ICMP (ping echo response)
   7. LDAP TCP 389
   8. LDAP UDP 389
   9. LDAP SSL TCP 636
   10. IPSec ISAKmp UDP 500
   11. Nat-T UDP 4500
   12. RPC TCP 135
   13. SMB TCP 445
4. Services
   1. DNS
   2. Certificate Service
      1. Web Portal
      2. Test Issuing a certificate
   3. DHCP Service
      1. Ports
         1. DHCP Server UDP 67
         2. MADCAP UDP 2535
         3. DHCP Failover TCP 647
      2. Get scope information and address lease information
   4. DFS
      1. Ports
         1. NetBIOS Datagram Service UDP 138
         2. NetBIOS Session Service TCP 139
      2. Replication
         1. RPC TCP 5722
   5. DLTS (Distributed Link Tracking Server)
   6. DTS
   7. Event Log
   8. Group Policy
   9. Kerberos Key Distribution Center
      1. Ports
         1. Kerberos TCP 88
         2. Kerberos UDP 88
         3. Kerberos Password TCP 464
         4. Kerberos Password UDP 464
         5. DC Locator UDP 389
   10. Netlogon
       1. Ports
          1. NetBIOS UDP 137,138
          2. NetBIOS TCP 139
          3. SMB TCP 445
          4. LDAP UDP 389
          5. RPC High and low ports TCP 135,1024-65535 (old windows) 135,49152-65535(New windows)
   11. Server Service
   12. Workstation service
   13. WinRM
       1. Ports
          1. Old TCP 80,443
          2. New TCP 5985,5986
   14. Time
       1. Ports
          1. NTP UDP 123
          2. SNTP UDP 123

Prerequisite Check