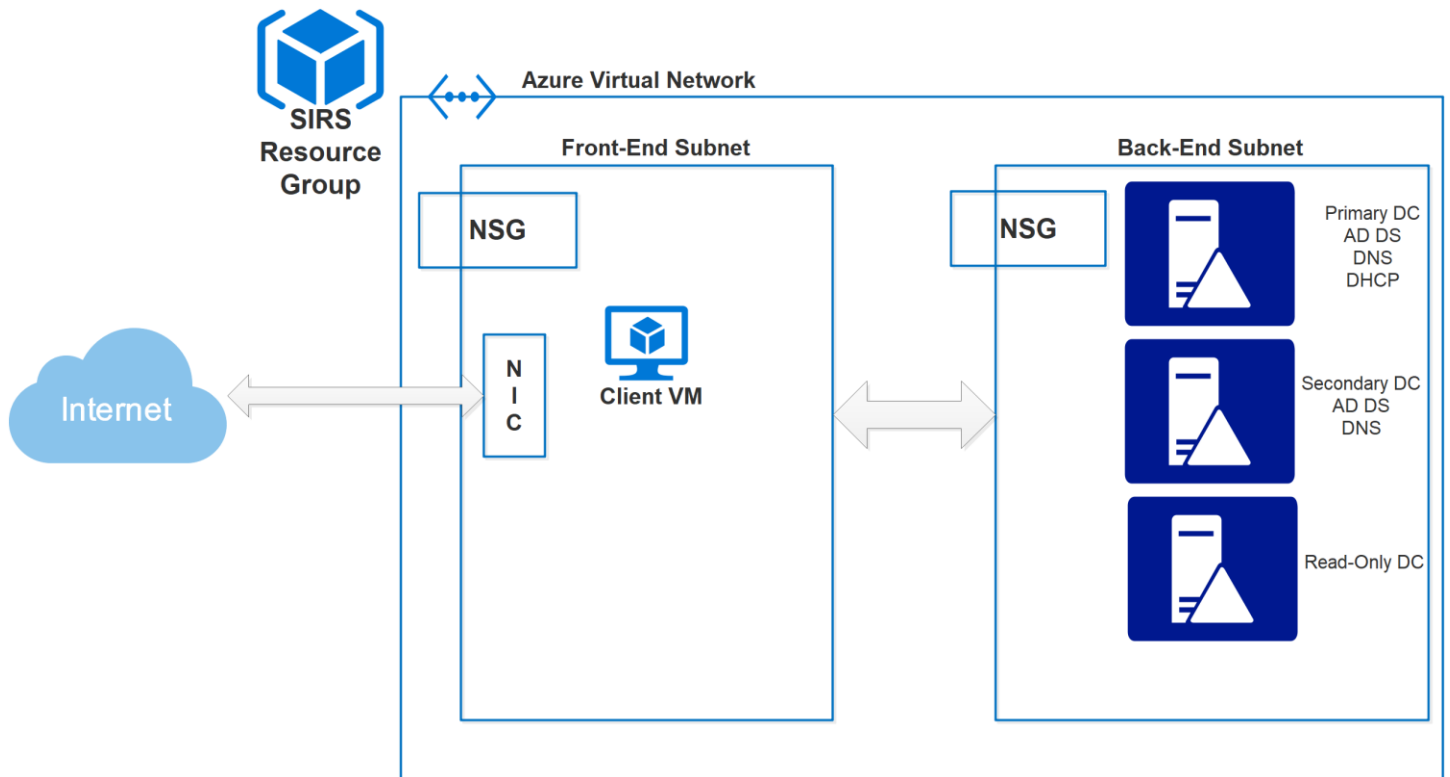# Implementation of the Infrastructure

Primary Domain Controller with the below Roles and Server Groups configured and installed:

- Active Directory Domain Service
- DHCP
- DNS

Primary Domain Controller Dashboard

Primary DNS

DNS Manager

Name	Type	Data	Timestamp
_msdcs			
_sites			
_tcp			
_udp			
DomainDnsZones			
ForestDnsZones			
(same as parent folder)	Start of Authority (SOA)	[87], primarydc.sirs.local., ...	static
(same as parent folder)	Name Server (NS)	secondarydc.sirs.local.	static
(same as parent folder)	Name Server (NS)	primarydc.sirs.local.	static
(same as parent folder)	Host (A)	10.3.1.5	11/8/2018 3:00:00 AM
(same as parent folder)	Host (A)	10.3.1.4	11/8/2018 4:00:00 AM
Client1	Host (A)	10.3.1.8	11/11/2018 9:00:00 PM
ClientUser1	Host (A)	10.3.1.7	11/8/2018 7:00:00 AM
primarydc	Host (A)	10.3.1.4	static
ReadOnlyDC	Host (A)	10.3.1.6	11/8/2018 4:00:00 AM
SecondaryDC	Host (A)	10.3.1.5	static

DHCP

By default, the updated version of Azure takes full control of the DHCP service and issues IP address based on the subnet scope given. If the default DHCP controlled by Azure fails, then my DHCP configured in the Primary Domain Controller will take over.

DHCP

Start IP Address	End IP Address	Description
10.3.0.20	10.3.0.240	Address range

DHCP

File Action View Help

Start IP Address	End IP Address	Description
10.3.1.20	10.3.1.240	Address range

- DHCP
  - primarydc.sirs.local
    - IPv4
      - Scope [10.3.0.0] SirsClientsFrontEnd
        - Address Pool
        - Address Leases
        - Reservations
        - Scope Options
        - Policies
      - Scope [10.3.1.0] SirsClientsBackEnd
        - Address Pool
        - Address Leases
        - Reservations
        - Scope Options
        - Policies
      - Server Options
      - Policies
      - Filters
    - IPv6

Actions

Address Pool

More Actions

DHCP

File Action View Help

Option Name	Vendor	Value
003 Router	Standard	10.3.0.1
006 DNS Servers	Standard	10.3.1.4, 10.3.1.5
015 DNS Domain Name	Standard	sirs.local

- DHCP
  - primarydc.sirs.local
    - IPv4
      - Scope [10.3.0.0] SirsClientsFrontEnd
        - Address Pool
        - Address Leases
        - Reservations
        - Scope Options
        - Policies
      - Scope [10.3.1.0] SirsClientsBackEnd
        - Address Pool
        - Address Leases
        - Reservations
        - Scope Options
        - Policies
      - Server Options
      - Policies
      - Filters
    - IPv6

Actions

Scope Options

More Actions

Secondary Domain Controller Dashboard

Secondary DNS

Read-Only Domain Controller

Group Policy Objects providing Home drive mapping at login. For all the users in the WestRegionUsers Organization Unit the Folder Redirect Path is on my Primary Domain Controller.