

System Requirements

Using Microsoft Best Practices build the Active Directory Structure for shmc.ca and document the following:

First, we created the root server MedicOne and then promoted it to shmc.ca domain. Secondly, two child domains were created namely res.shmc.ca and springhillmedical. Then fourth server was created and promoted to massagespa.ca.

- **Server naming convention used**
 1. Server1 : MedicOne
 2. Server2 : Resources
 3. Server3 : Physicians
 4. Server4 : SpaCompany (Message&spa domain)

- **IPv4 address assignments**

Server Name	IP addresses	Default gateway
MedicOne	172.30.7.2/24	172.30.7.1/24
Resources	172.30.7.3/24	172.30.7.1/24
Physicians	172.30.7.4/24	172.30.7.1/24
SpaCompany	172.30.7.5/24	172.30.7.1/24

- **Placement of DNS**

Server Name	Role
MedicOne	DNS role installed Added host records of res.shmc.ca and springhillmedical.shmc.ca Added a forwarder for MassageSpa.ca domain
SpaCompany	DNS role installed

Build all required domain controllers (GUI)

Server	Domain Name	Domain Type
MedicOne	shmc.ca	Root domain
Resources	res.shmc.ca	Child domain
Physicians	springhillmedical.shmc.ca	Child domain
SpaCompany	massagespa.ca	Tree domain

Configure FSMO Role and GC placement

The following FSMO roles were transferred from MedicOne to SpaCompany:

- Schema master
- Domain naming master
- PDC
- RID pool manager
- Infrastructure master

For global catalog:

FQDN	DC Type
MedicOne.shmc.ca	GC
Resources.res.shmc.ca	DC
Physicians.springhillmedical.shmc.ca	DC
SpaCompany.massagespa.ca	GC

Ensure all DNS zones in use are configured and fault tolerant

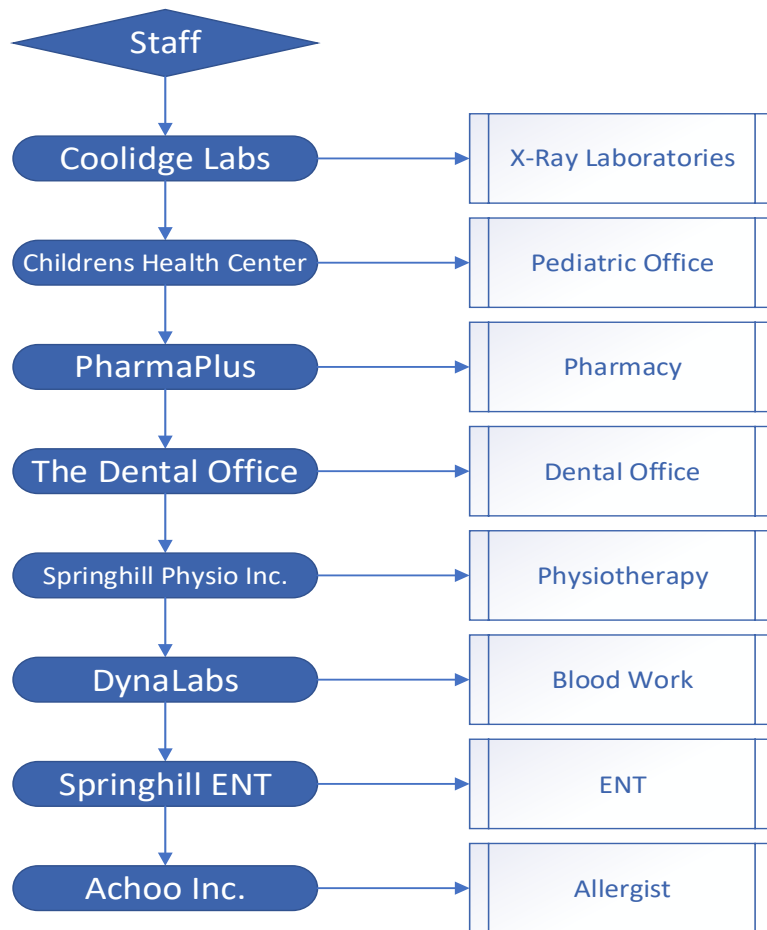
- Secondary zones for massagespa.ca, res.shmc.ca and springhillmedical.shmc.ca domains were created in shmc.ca root domain.
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Create an OU Structure to support the businesses, scope of management and delegation of Permissions

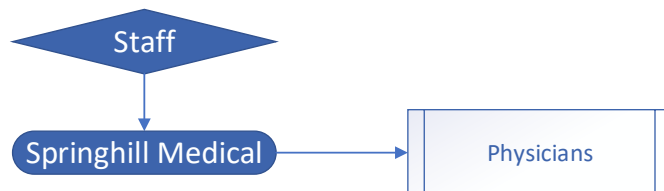
Note: Universal groups for the following were created in every server under the Groups OU except MedicOne server.

- Managers
- Doctors
- Dentists
- Pharmacists
- Lab Technicians
- Company Receptionist
- Assistants
- Sales staff
- Massage Therapists
- Physio Therapists
- Clients /Customers

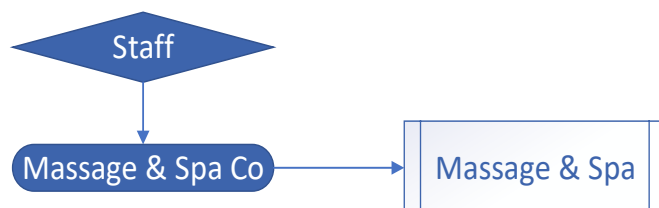
OU structure in the res.shmc.ca domain:



OU structure in springhillmedical.shmc.ca domain:



OU structure in massagespa.ca domain



Minimum post-installation verification testing:

- o Verify DNS by running lookups on domain names from the other domains

It works.

- o Create a computer object and make sure it replicates to other DC

Doesn't work yet.

- o Create a user object and make sure it replicates to the other DC

Doesn't work yet.