

Quantum Leaps IT Presentation

Seattle-ops-301d14 Final Project



Eveangelina S Campos



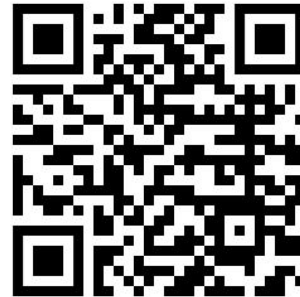
LinkedIn



Christen Reinhart



LinkedIn



Hector Cordova



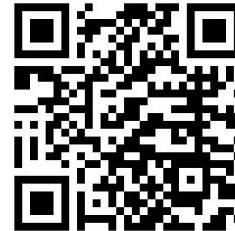
LinkedIn



Deqa Hussein



LinkedIn



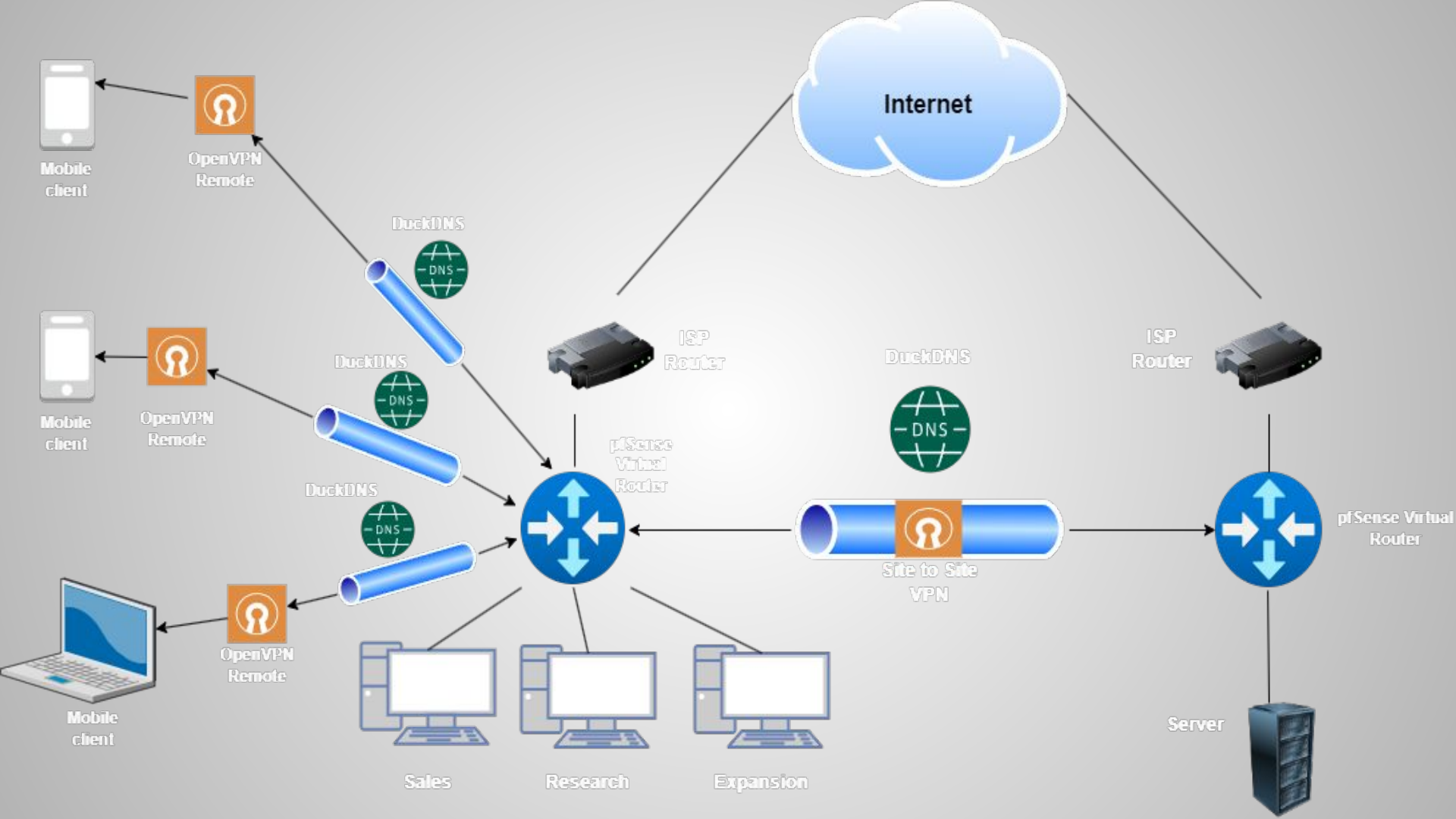
Problem Domain



Solution / Project Overview



**BRIDGING
INNOVATIONS**
UNLEASHING POTENTIALS



Automated OU and Users via Powershell ISE

```
PS C:\Users\Administrator> Get-ADOrganizationalUnit -Filter * -SearchBase "DC=quantum,DC=com" | Select-Object Name, DistinguishedName
```

Name	DistinguishedName
----	-----
Domain Controllers	OU=Domain Controllers,DC=quantum,DC=com
Executive Team	OU=Executive Team,DC=quantum,DC=com
Sales and Marketing	OU=Sales and Marketing,DC=quantum,DC=com
Research and Development	OU=Research and Development,DC=quantum,DC=com
IT Management	OU=IT Management,DC=quantum,DC=com

```
PS C:\Users\Administrator>
```

Name	SamAccountName	Enabled
----	-----	-----
Administrator	Administrator	True
Guest	Guest	False
krbtgt	krbtgt	False
Denzel Washington	d.washington	True
Will Ferrell	w.farrell	True
James Franco	j.franco	True
Seth Rogen	s.rogen	True
Eve Campos	e.campos	True

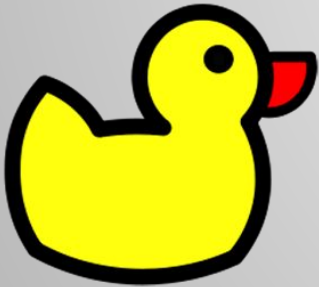
PS C:\Users\Administrator>

```
1  Import-Module ActiveDirectory
2
3  $commonPassword = ConvertTo-SecureString "24LeapsIT!!" -AsPlainText -Force
4  $Users = @(
5  @{{OU="OU=IT Management,DC=quantum,DC=com";Name="Deqa Hussein";
6   Title="Systems Administrator"; SamAccountName="d.hussein"
7   EmailAddress="d.hessein@quantum.com"}}
8  )
9
10 foreach ($User in $Users){
11     $userDetails =@{
12         SamAccountName = $user.SamAccountName
13         UserPrincipalName = $user.SamAccountName + "@quantum.com"
14         Name = $user.Name
15         GivenName =($user.Name -split ' ')[0]
16         Surname =($user.Name -split ' ')[-1]
17         Enabled = $true
18         DisplayName = $user.Name
19         Title = $user.Title
20         EmailAddress = $user.EmailAddress
21         AccountPassword = $commonPassword
22         Path = $user.OU
23         PasswordNeverExpires = $true
24         ChangePasswordAtLogon = $false
25     }
26     New-ADUser @userDetails
27 }
28
```

Demo!



OpenVPN





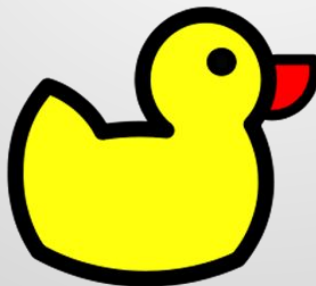
Resources & Thanks



Quantum-Leaps-IT



- [openvpn-server-pfsense](#)
- [Duckdns.org](#)
- [https://docs.netgate.com/pfsense/en/latest/](#)
- Chatgpt.com



Questions?
