

The background of the slide is a light gray gradient, decorated with numerous realistic water droplets of various sizes. Some droplets are large and prominent, while others are small and subtle, scattered across the top and bottom edges of the frame.

MINOR PROJECT-2

AZURE CLOUD COMPUTING

PITHANA MONISHA ANILA

Communication between User Laptop to Azure Site with Private IPs – Point to Site

Steps:

1. Create Virtual Network
2. Create Gateway Subnet
3. Create Virtual Network Gateway
4. Virtual Network Gateway – Setting- Point-to-Site configuration
5. Private IP address for clients
6. Generate Root and Client Certificate through PowerShell
7. Upload the root certificate public certificate data
8. Generate and install the VPN client configuration package.

Microsoft Azure

Search resources, services, and docs

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MONISHAANILA1999GMAIL [...]

Home > P2SVnet

Create a resource

All services

FAVORITES

- Dashboard
- All resources
- Resource groups
- App Services
- Function Apps
- SQL databases
- Azure Cosmos DB
- Virtual machines
- Load balancers
- Storage accounts
- Virtual networks
- Azure Active Directory
- Monitor

P2SVnet
Virtual network

Search (Ctrl+/)

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

SETTINGS

- Address space
- Connected devices
- Subnets
- DDoS protection
- DNS servers
- Peerings
- Service endpoints
- Properties
- Locks

Refresh Move Delete

Resource group (change)
P2S

Location
East US

Subscription (change)
Free Trial

Subscription ID
d0dd1006-f299-4b20-b784-830ed13f3d1a

Tags (change)
Click here to add tags

Address space
10.12.0.0/16

DNS servers
Azure provided DNS service

Connected devices

Search connected devices

DEVICE	TYPE	IP ADDRESS	SUBNET
windows10vm902	Network interface	10.12.0.4	Frontend

Microsoft Azure portal interface showing the configuration of a P2S Gateway (P2SGW).

Navigation: Home > P2SGW

Left Sidebar (Navigation):

- Create a resource
- All services
- FAVORITES
- Dashboard
- All resources
- Resource groups
- App Services
- Function Apps
- SQL databases
- Azure Cosmos DB
- Virtual machines
- Load balancers
- Storage accounts
- Virtual networks
- Azure Active Directory
- Monitor

Overview Tab (Left Panel):

- Overview (selected)
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- SETTINGS
 - Configuration
 - Connections
 - Point-to-site configuration
 - Properties
 - Locks
 - Automation script
- MONITORING
 - Metrics (Preview)

Overview Tab (Main Content):

Search (Ctrl+/) Move Delete

Resource group (change) P2S

Location East US

Subscription ID d0dd1006-f299-4b20-b784-830ed13f3d1a

Tags (change) Click here to add tags

SKU Basic

Gateway type VPN

VPN type Route-based

Virtual network P2SVnet

Public IP address 104.211.20.127 (P2SGWPIP)

Windows Taskbar:

- Search: Type here to search
- System tray: ENG, 09:32 Pithana, 18.6.18

Point-to-site configurat x + v

https://portal.azure.com/#@monishaanila1999gmail.onmicrosoft.com/resource/subscriptions/d0dd1006-f299-4b20-b784-830ed13

Microsoft Azure

Search resources, services, and docs

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Home > P2SGW - Point-to-site configuration

P2SGW - Point-to-site configuration
Virtual network gateway

Hide the menu for P2SGW

Search (Ctrl+/)

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems

SETTINGS

Configuration
Connections
Point-to-site configuration
Properties
Locks
Automation script

MONITORING

Metrics (Preview)

Save Discard Download VPN client

Connection health

Connections	1
Ingress (bytes)	6796
Egress (bytes)	5244

Address pool

172.16.201.0/24

Root certificates

NAME	PUBLIC CERTIFICATE DATA
p2sroot	MIIC5zCCAC+gAwIBAgIQPQLqCvKKmZxNB+PcDOxuADANBgkqhkiG9w0BAQsFADAWMRQwEgYDVQQDI...

Revoked certificates

NAME	THUMBPRINT

Allocated IP addresses

172.16.201.1

Type here to search


ENG 09:33 Pithana 18.6.18



PITHANA MONISHA ANILA

Friday, September 4, 2020

VPN

 Add a VPN connection P2SVnet
Connected

Advanced Options

Allow VPN over metered networks

 On

Allow VPN while roaming

 On

Related settings

[Change adapter options](#)[Change advanced sharing options](#)[Network and Sharing Center](#)[Windows Firewall](#)


```
C:\Users\windows10>ipconfig/all
```

Windows IP Configuration

```
Host Name . . . . . : Windows10VM
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
DNS Suffix Search List. . . . . : eoc140gcijwunes52gvqwb5c0g.bx.internal.cloudapp.net
```

Ethernet adapter Ethernet 3:

```
Connection-specific DNS Suffix . : eoc140gcijwunes52gvqwb5c0g.bx.internal.cloudapp.net
Description . . . . . : Microsoft Hyper-V Network Adapter #3
Physical Address. . . . . : 00-0D-3A-11-4B-E1
DHCP Enabled. . . . . : Yes
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::c4fa:cab2:b482:dad8%6(Preferred)
IPv4 Address. . . . . : 10.12.0.4(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Lease Obtained. . . . . : Monday, June 18, 2018 7:20:41 AM
Lease Expires . . . . . : Thursday, July 25, 2154 10:26:08 PM
Default Gateway . . . . . : 10.12.0.1
DHCP Server . . . . . : 168.63.129.16
DHCPv6 IAID . . . . . : 100666682
DHCPv6 Client DUID. . . . . : 00-01-00-01-22-B9-15-A0-00-15-5D-E6-CD-8F
DNS Servers . . . . . : 168.63.129.16
NetBIOS over Tcpip. . . . . : Enabled
```

PPP adapter P2SVnet:

```
Connection-specific DNS Suffix . :
Description . . . . . : P2SVnet
Physical Address. . . . . :
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
IPv4 Address. . . . . : 172.16.201.1(Preferred)
Subnet Mask . . . . . : 255.255.255.255
Default Gateway . . . . . :
NetBIOS over Tcpip. . . . . : Enabled
```

Tunnel adapter isatap.{2CAF94E4-1B5E-4129-8BAE-23DCFB1D85D8}:

