Azure
Private Endpoint

VM   10.0.0.4

VNET
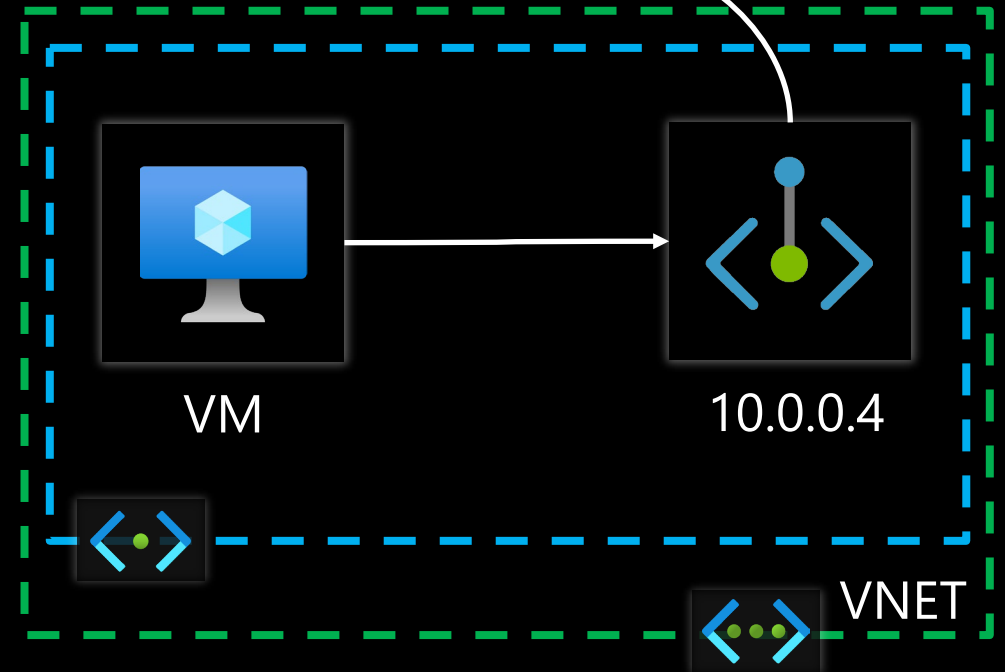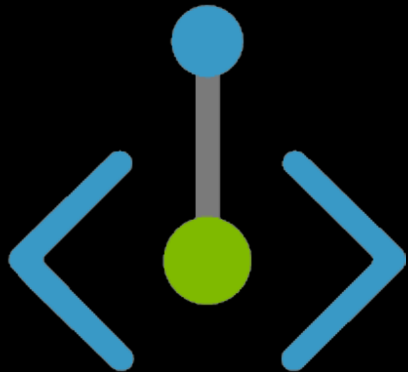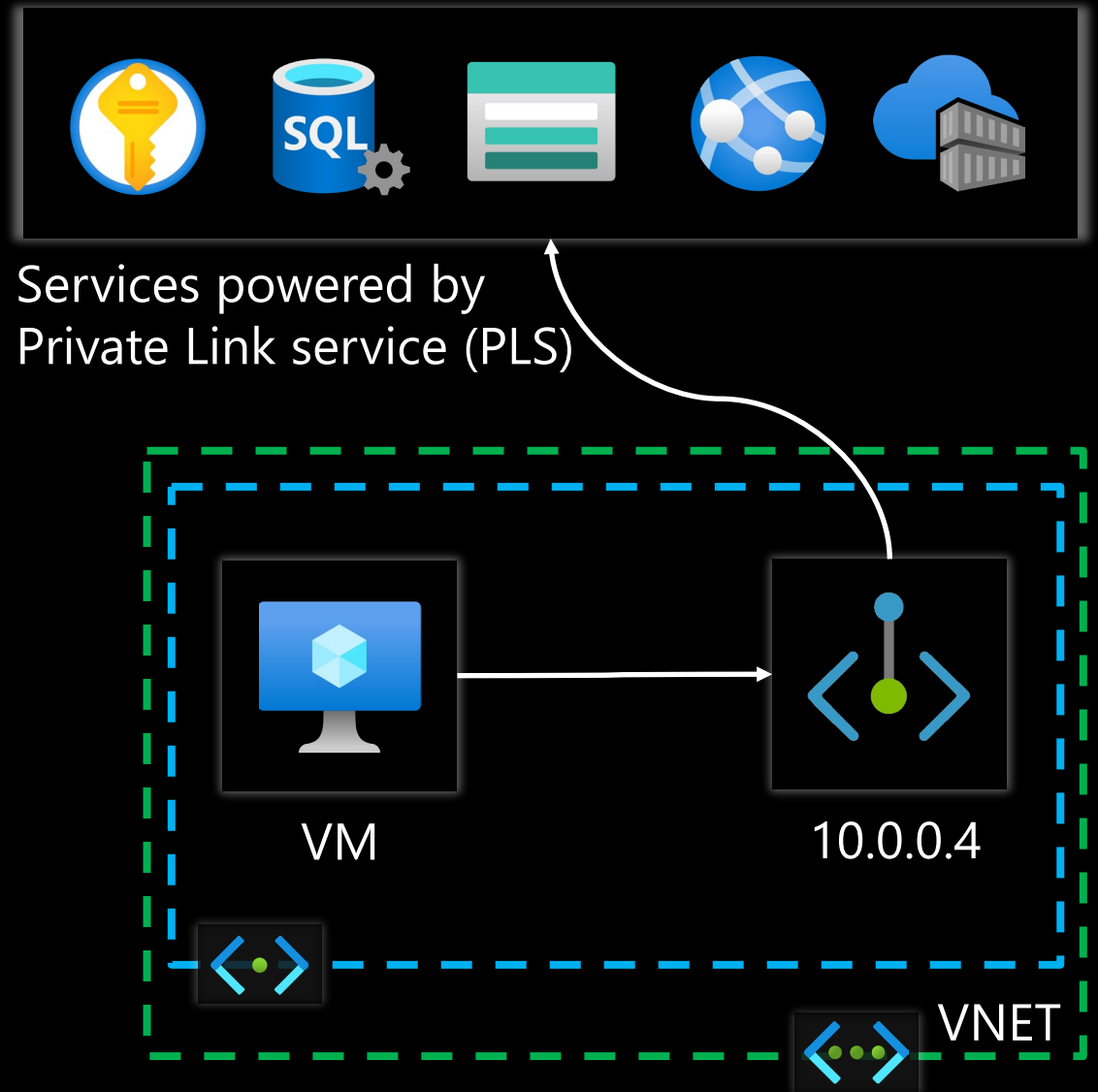
Private Endpoint

Azure services like Key vault, Azure SQL, Storage Account, App Service and ACR are by default exposed publicly through a public endpoint.

This public exposure makes the service vulnerable to security attacks from the internet.

Could these services be exposed only to the virtual network ?

Services powered by Private Link service (PLS)

VM

10.0.0.4

VNET

Private Endpoint

Could these services be exposed only to the virtual network ?
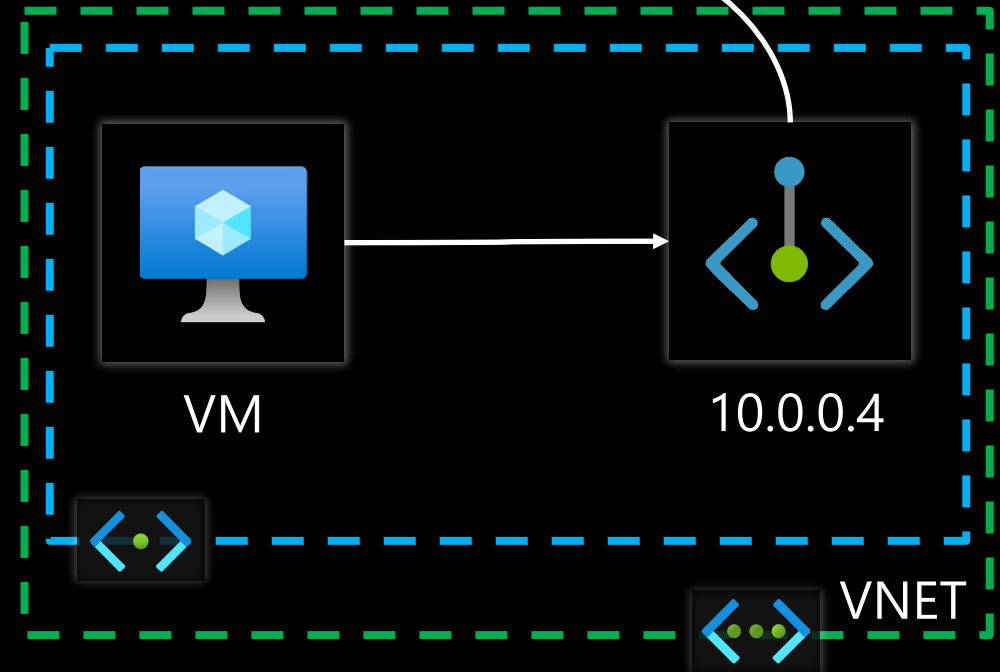
Network interface that uses a private IP address from your virtual network.

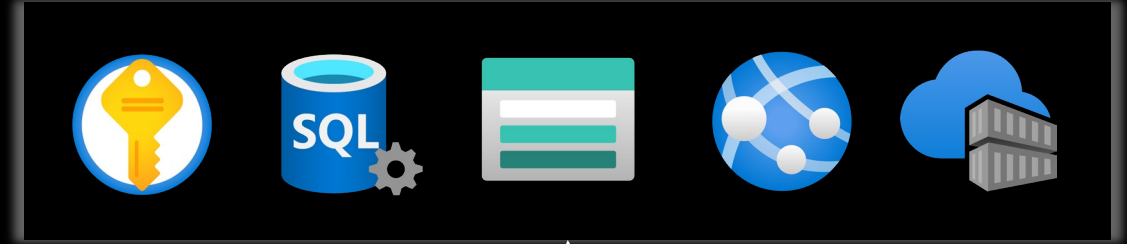This network interface connects you privately and securely to a service that's powered by Azure Private Link.

The service is then only available in your virtual network.

Services powered by Private Link service (PLS)

VM

10.0.0.4

VNET

Private Endpoint & Private DNS Zone
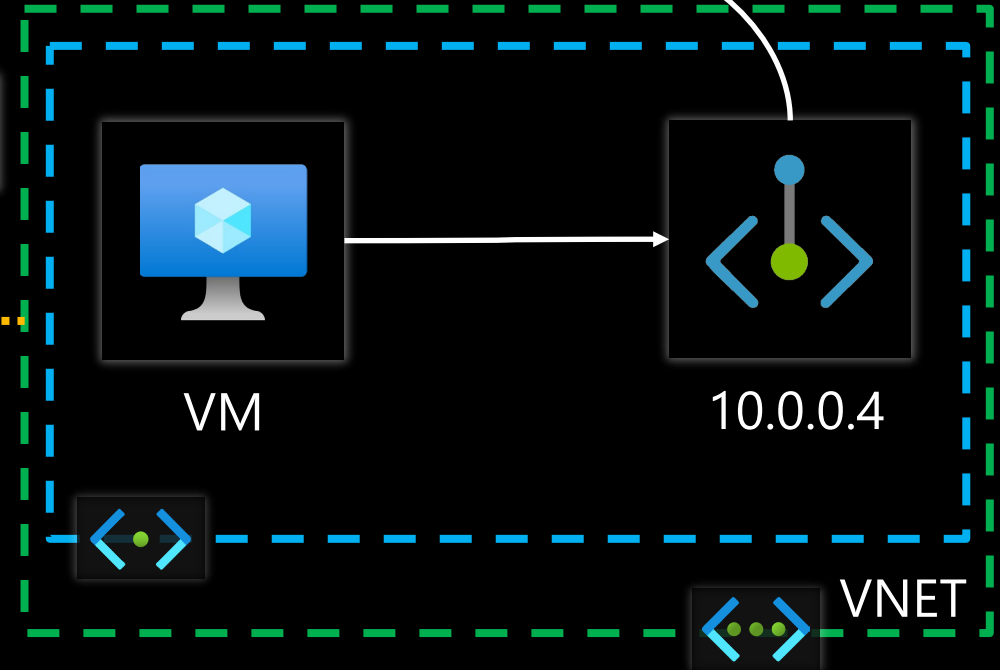
Services powered by
Private Link service (PLS)

mydb.privatelink.database.
windows.net -> 10.0.0.4

Private Endpoint uses a
private IP address.

**Create a private domain name
using Private DNS Zone.**

DNS ┄┄ link ┄┄

VM

10.0.0.4

VNET

Private Endpoint supported services

Azure Key Vault, Azure Kubernetes Service, Application Gateway, Azure AI services, Azure App Service, Azure Container Registry, Azure Cache for Redis, Azure Cosmos DB, Azure Data Factory, Azure Database for PostgreSQL, Azure Databricks, Azure Event Grid, Azure Machine Learning, Azure Service Bus, Azure SQL Database, Azure Storage

And more.

learn.microsoft.com/en-us/azure/private-link/private-endpoint-overview#private-link-resource

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☰   Microsoft Azure (Preview)   🔍 Search resources, services, and docs (G+/)

Home > Private Link Center | Private endpoints >

Create a private endpoint ⋯

✓ Basics   ② Resource   ③ Virtual Network   ④ DNS   ⑤ Tags   ⑥ Review + create

Private Link offers options to create private endpoints for different Azure resources, like your private link service, a SQL server, or an Azure storage account. Select which resource you would like to connect to using this private endpoint. Learn more

Connection method ⓘ   ⦿ Connect to an Azure resource in my directory.

                                         ◯ Connect to an Azure resource by resource ID or alias.

Subscription * ⓘ   Microsoft-Azure-T   ⌄

Resource type * ⓘ   Select resource type   ⌄

Resource ⓘ   Waiting on resource type selection   ⌄

[< Previous]   [Next : Virtual Network >]

Azure Private Endpoint

Private Link Center | Private endpoints 📌 ⋯ ✕

🔍 Search

- ◉ Overview
- ☰ Pending connections
- ◉ **Private endpoints**
- ◈ Private link services
- ⚡ Azure Arc private link scopes
- ⚡ Azure Monitor private link scopes

Resources

- ▦ Active connections
- ☰ Supported resources

＋ Create　⚙ Manage view ⌄　↻ Refresh　⬇ Export to CSV　⧉ Open query　｜　🏷 Assign tags　⋯

| Filter for any field... | Subscription equals **all** | ＋ Add filter | ⌄ More (2) |

Showing 1 to 1 of 1 records.

No grouping ⌄　≣ List view ⌄

☐ Name ↑↓	Private IP ↑↓	Resource ↑↓	Target sub-resource ↑↓	Subnet ↑↓
☐ ◉ private-endpoint-mssql	10.0.0.5	🗄 sqlserver-400	sqlServer	vnet-app/subnet-app

Azure Private Endpoint for SQL Server

sqlserver-400 | Networking ☆ ⋯
SQL server

🔍 Search

- 💠 Overview
- 🗔 Activity log
- 👥 Access control (IAM)
- 🏷️ Tags
- ☁️ Quick start
- 🔧 Diagnose and solve problems

Settings

👥 Feedback

Public access   **Private access**   Connectivity

➕ Create a private endpoint   🔄 Refresh   ✓ Approve   ✕ Reject   🗑 Remove

🔍 Filter by name...   Private endpoint == (All)

	Private endpoint	Connection name	Connection state	Description
☐	private-endpoint-mssql	private-endpoint-mssql-28f5b5fc...	Approved	Auto-approved

Private Endpoint for SQL Server

Services powered by
Private Link service (PLS)

mydb.privatelink.database.
windows.net -> 10.0.0.4

DNS — link

VM

10.0.0.4

VNET
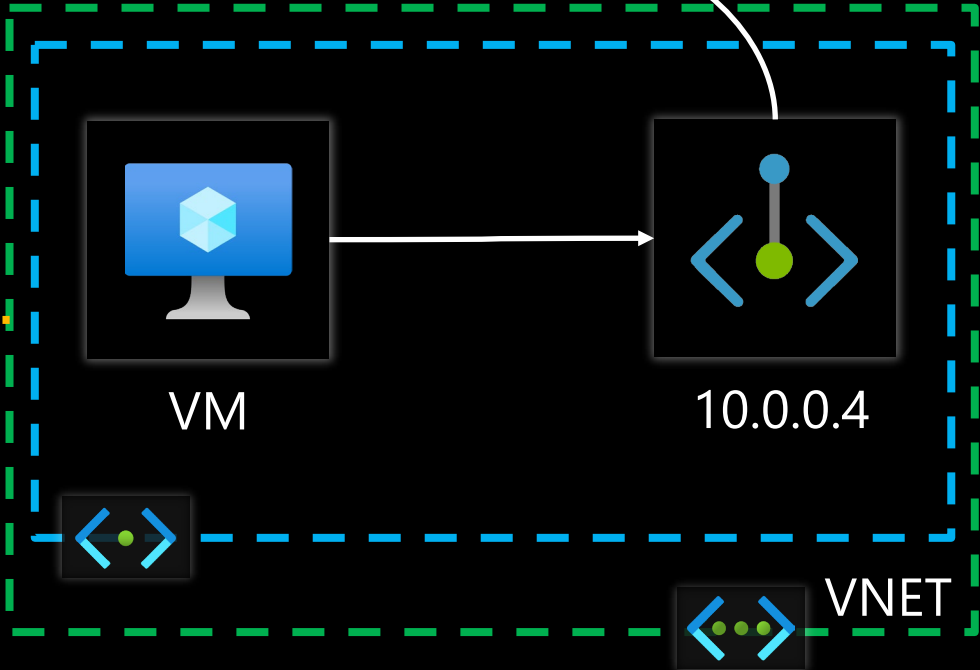
☐ ⟨•⟩ private-endpoint-mssql	Private endpoint
☐ 🖼 private-endpoint-mssql.nic.1e651339-830e-...	Network Interface
☐ 🔵 privatelink.database.windows.net	Private DNS zone
☐ 🗄 products-db (sqlserver-400/products-db)	SQL database
☐ 🗄 sqlserver-400	SQL server