

# Introduction to DDoS protection and Azure Firewall

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# DDoS protection

A Distributed denial of service (DDoS) attack attempts to exhaust an application's resource making the application unavailable to legitimate users. Azure DDoS protection provides the following tiers.

## Basic

- Automatically enabled as part of the Azure platform.
- Always-on traffic monitoring, and real-time mitigation of common network-level attacks, provide the same defenses utilized by Microsoft's online services.
- Protection is provided for IPv4 and IPv6 Azure public IP addresses.

## Standard

- Provides additional mitigation capabilities over the Basic service tier that are tuned specifically to Azure Virtual Network resources
- Provide protection against volumetric attacks, Protocol attacks, Resource layer attacks.
- Provides different metrics, alerts and mitigation reports

# Azure Firewall

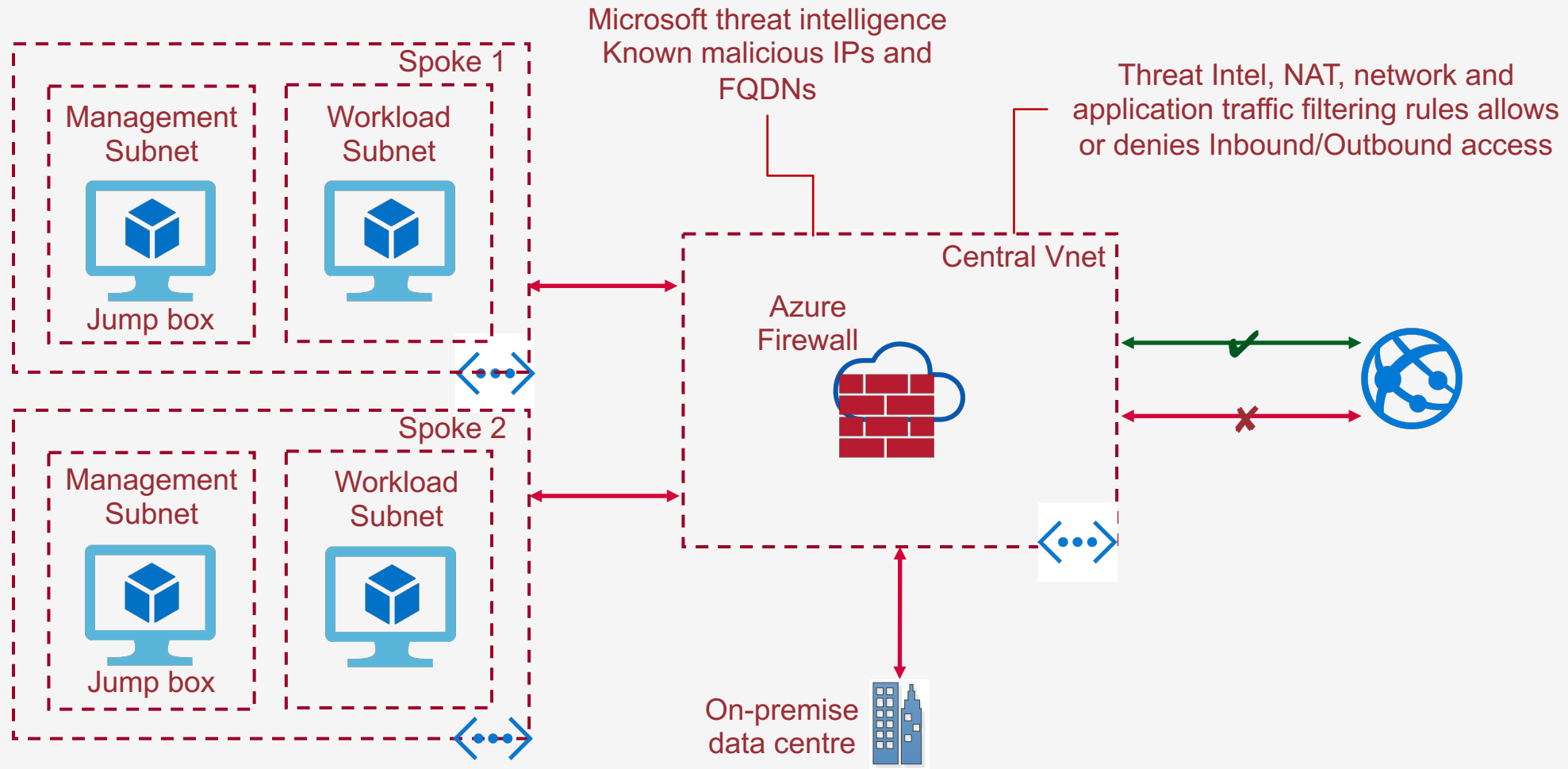


Azure Firewall is a managed, cloud-based network security service that protects your Azure Virtual Network resources. It is a fully stateful firewall as a service with built-in high availability and unrestricted cloud scalability.

You can centrally create, enforce, and log application and network connectivity policies across subscriptions and virtual networks.

Azure Firewall uses a static public IP address for your virtual network resources allowing outside firewalls to identify traffic originating from your virtual network

# Network architecture with Azure Firewall



# Features of Azure Firewall

