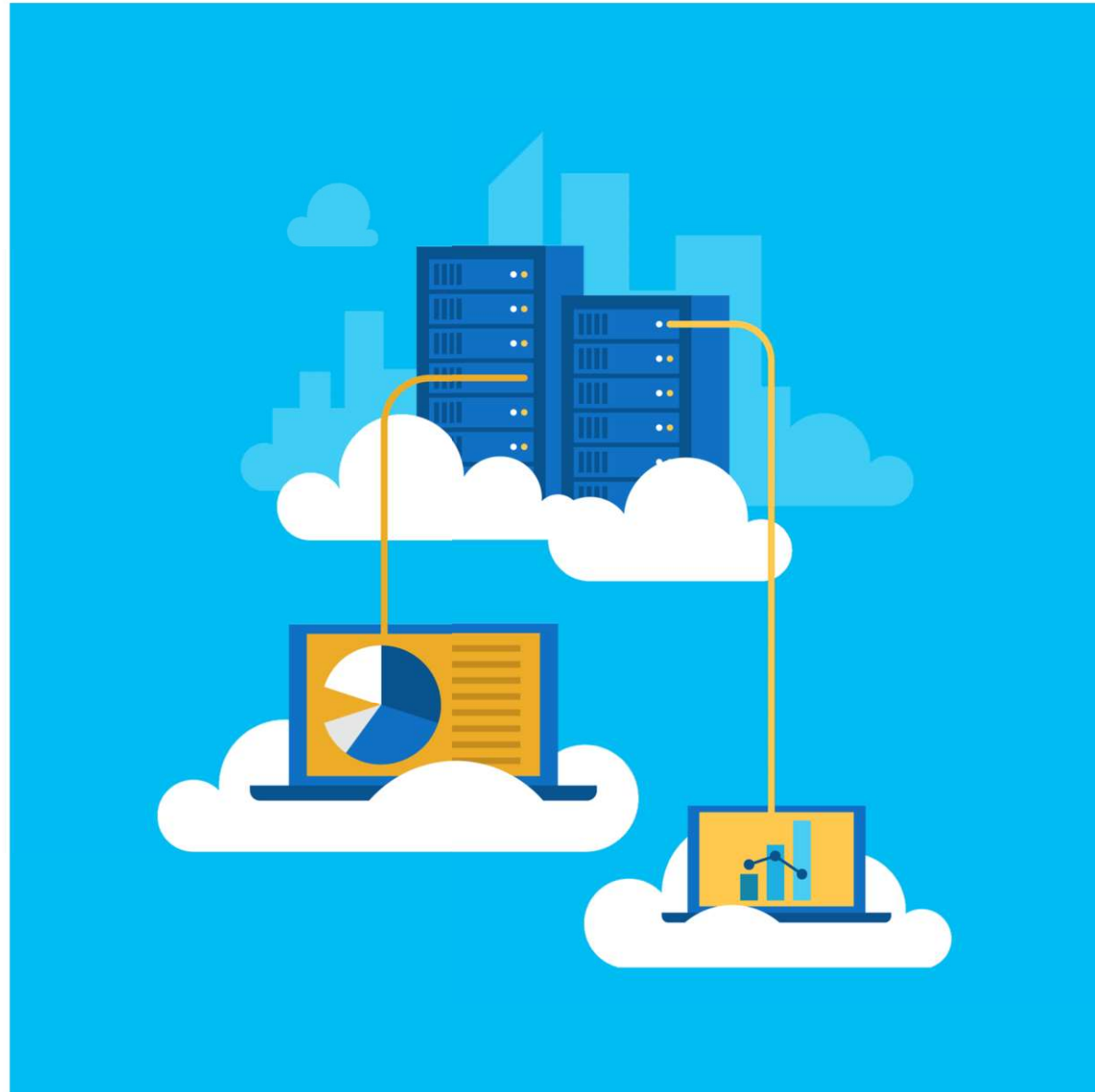
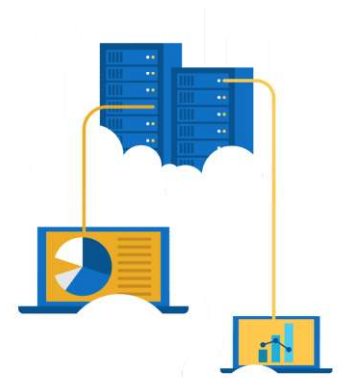




## Examine Microsoft Azure Security

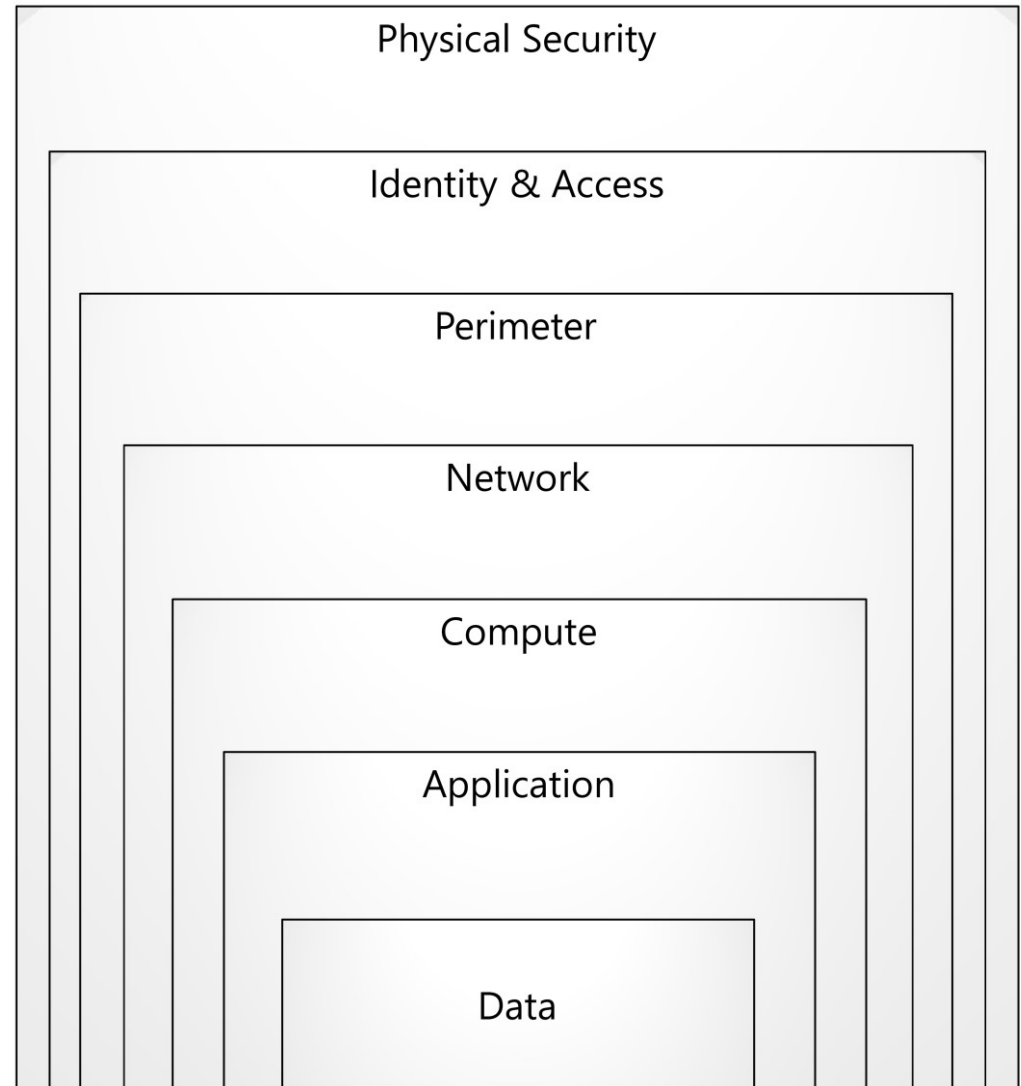


# Module: Securing network connectivity



## Explore Defense in depth

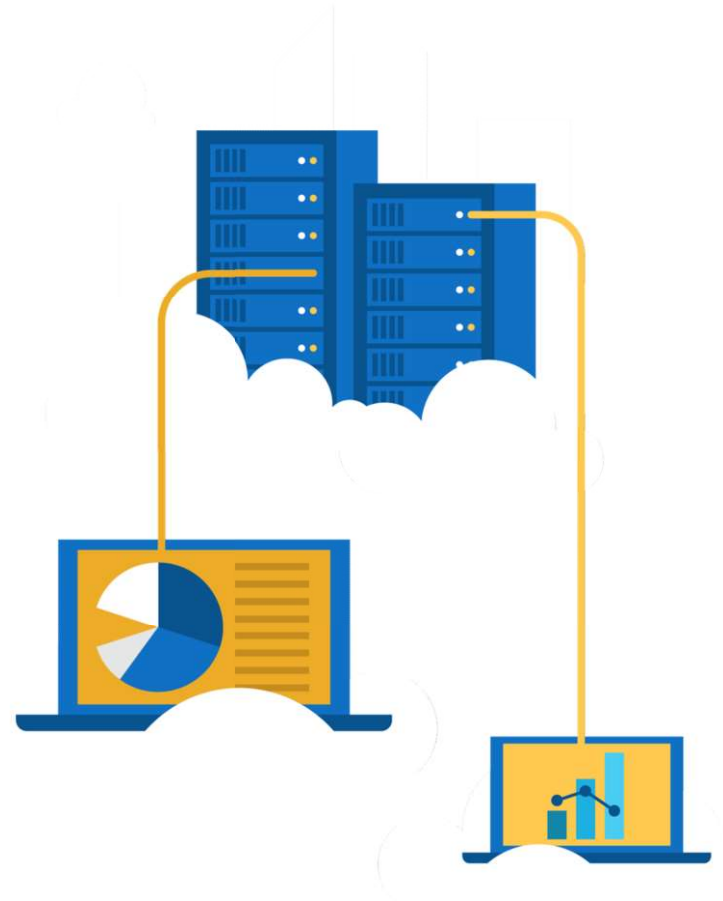
- A layered approach to secure computer systems
- Provides multiple levels of protection.
- Attacks against one layer are isolated from subsequent layers



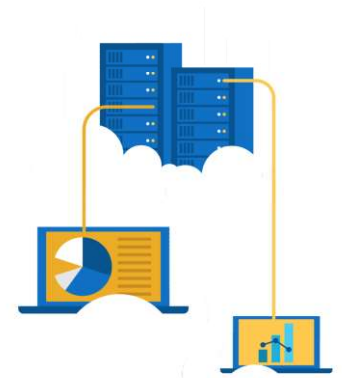
# Walkthrough – Secure network traffic

Create and configure inbound and outbound security port rules.

1. Deploy a custom template to create a virtual machine.
2. Create a network security group.
3. Create an inbound security port rule to allow RDP.
4. Configure an outbound security port rule to deny Internet access.

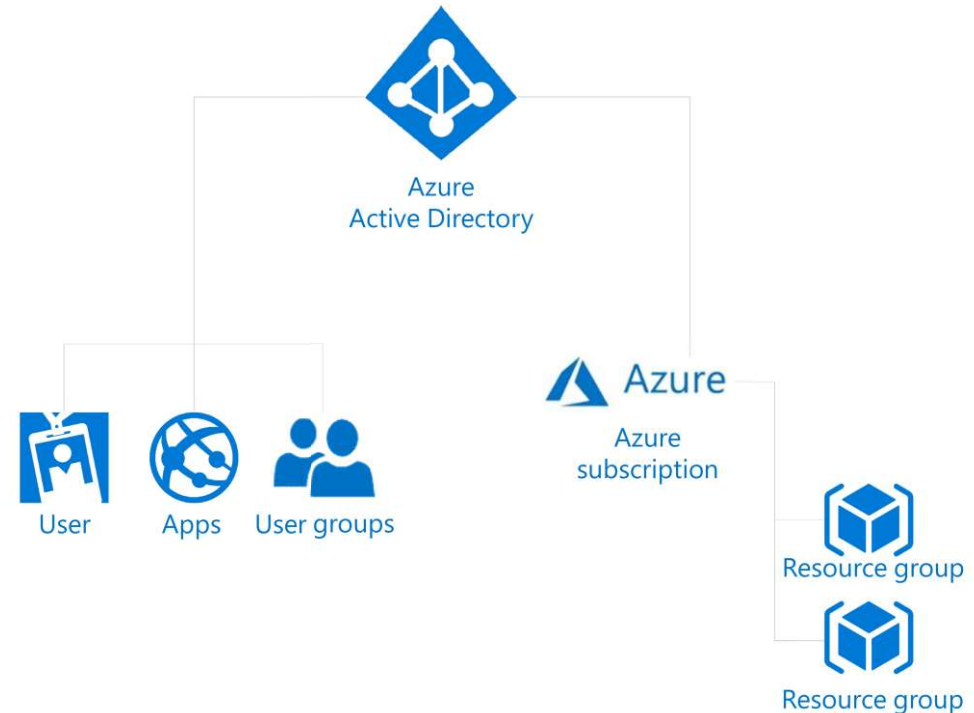


# Module: Security tools and features



## Explore Role-based access control (RBAC)

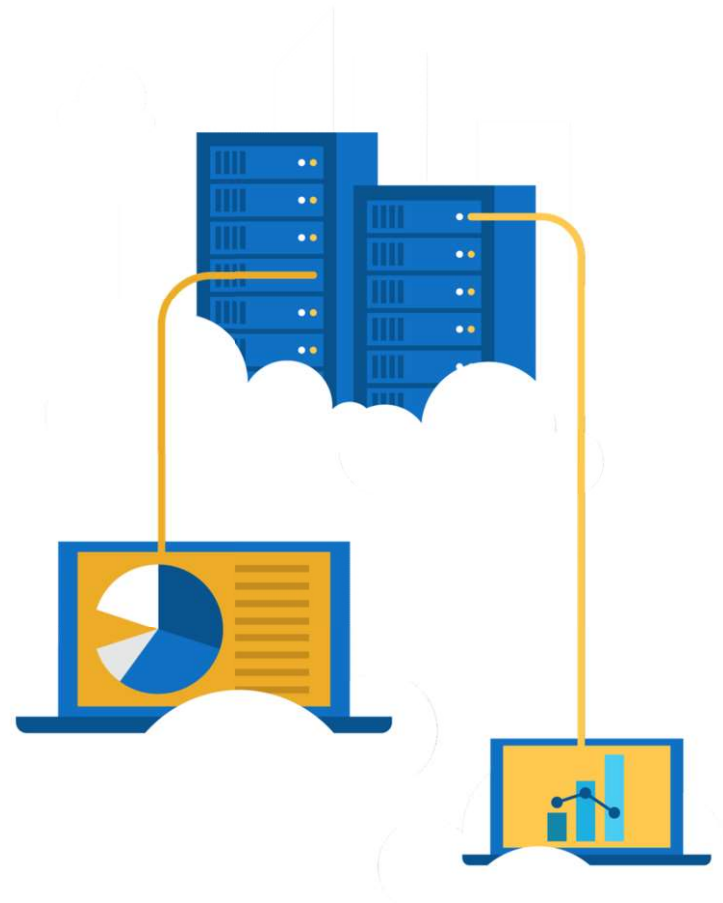
- Fine-grained access management
- Segregate duties within your team and grant only the amount of access to users that they need to perform their jobs.
- Enables allowing or disallowing access to the Azure portal, and controlling access to resources.



# Walkthrough – Manage access with RBAC

Assign roles and view activity logs.

1. View and assign roles.
2. View the activity log and remove a role assignment.



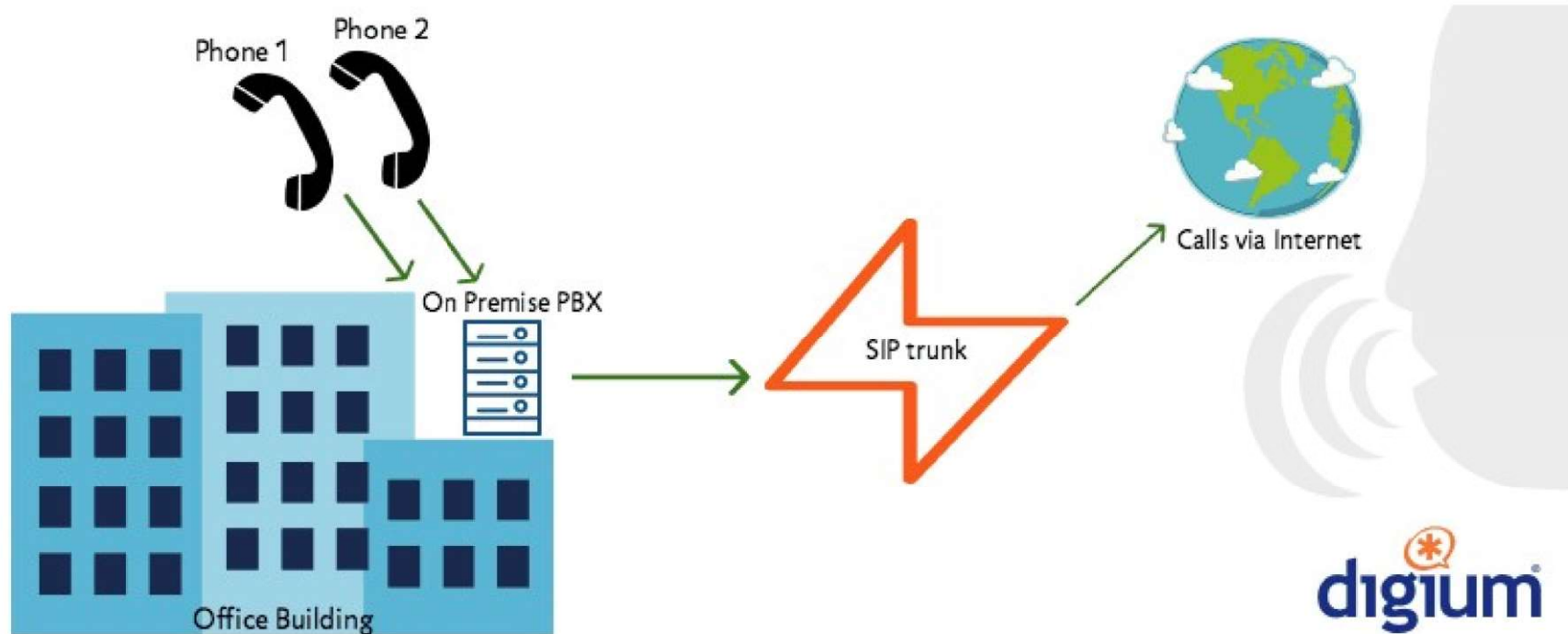
## Session Initiation Protocol (SIP)

- A signalling protocol for initiating, terminating, and modifying user sessions over an IP network.
- Most commonly, SIP is used for Voice Over IP (VoIP) services
- But is also often used for other communications sessions such as video calls and instant messaging sessions.



# SIP Trunk

- The virtual version of an analog phone line
- Allows to make local, long distance, and international calls over the Internet



## SIP service over Cloud

- Allows VoIP Phones anywhere in the world to be able to connect and receive Corporate Phone Services
- Able to move offices without having to coordinate moving their telephone services or changing phone/extension numbers
- This also provided a very cost-efficient way to communicate internationally.
- Employees in the USA can communicate with vendors, clients, and/or employees in Europe or Asia

## SIP service over Cloud

- <https://www.3cx.com/blog/news/pbx-host-microsoft-azure>
- <https://www.audiocodes.com/solutions-products/public-clouds/solutions-for-microsoft-azure-cloud/mediant-ve-session-border-controller-sbc-on-microsoft-azure>
- <https://ribboncommunications.com/solutions/enterprise-solutions/cloud-and-edge/microsoft-solutions/azure-aws-hosted-sbc-microsoft-teams>

**Thanks**