

1. ExpressRoute supports the following models that you can use to connect your on-premises network to the Microsoft cloud:

1. CloudExchange colocation
2. Point-to-point Ethernet connection
3. Any-to-any connection
4. Directly from ExpressRoute sites

2. workbook that does the following steps:

1. When the alert is triggered, open a ticket in the IT ticketing system.
2. Send a message to the security operations channel in Microsoft Teams or Slack to make sure the security analysts are aware of the incident.
3. Send all of the information in the alert to the senior network admin and to the security admin. The email message includes two user option buttons: Block or Ignore.

3. What can Azure Key Vault do

1. Manage secrets
2. Manage encryption keys
3. Manage SSL/TLS certificates
4. Store secrets backed by hardware security modules (HSMs)

4. What are the benefits of Azure Dedicated Host?

1. Gives you visibility into, and control over, the server infrastructure that's running your Azure VMs.
2. Helps address compliance requirements by deploying your workloads on an isolated server.
3. Lets you choose the number of processors, server capabilities, VM series, and VM sizes within the same host.

5. What can I configure with Azure Firewall?

1. Application rules that define fully qualified domain names (FQDNs) that can be accessed from a subnet.
2. Network rules that define source address, protocol, destination port, and destination address.
3. Network Address Translation (NAT) rules that define destination IP addresses and ports to translate inbound requests.

6. Which of the following provides web application firewall (WAF)

1. Azure Application Gateway
2. Azure Front Door
3. Azure Content Delivery Network

7. What kinds of attacks can DDoS Protection help prevent?

1. Volumetric attacks
2. Protocol attacks
3. Resource-layer (application-layer) attacks (only with web application firewall)

8. Conditional Access is useful when you need to:

1. Require multifactor authentication to access an application. You can configure whether all users require multifactor authentication or only certain users, such as administrators. You can also configure whether multifactor authentication applies to access from all networks or only untrusted networks.
2. Require access to services only through approved client applications.
3. Require users to access your application only from managed devices.
4. Block access from untrusted sources, such as access from unknown or unexpected locations.

9. What services does Azure AD provide?

1. Authentication
2. Single Sign-on
3. Application Management
4. Device Management

10. When should I use Azure RBAC?

1. Allow one user to manage VMs in a subscription and another user to manage virtual networks.
2. Allow a database administrator group to manage SQL databases in a subscription.
3. Allow a user to manage all resources in a resource group, such as virtual machines, websites, and subnets.
4. Allow an application to access all resources in a resource group.

11. Azure Blueprints orchestrates the deployment of various resource templates and other artifacts, such as:

1. Role assignments
2. Policy assignments
3. Azure Resource Manager templates
4. Resource groups

12. The Cloud Adoption Framework includes these stages:

1. Define your strategy.
2. Make a plan.
3. Ready your organization.
4. Adopt the cloud.
5. Govern and manage your cloud environments.

13. Steps why you're moving to the cloud and what you want to get out of cloud migration.

1. **Define and document your motivations:** Meeting with stakeholders and leadership can help you answer why you're moving to the cloud.
2. **Document business outcomes:** Meet with leadership from your finance, marketing, sales, and human resource groups to help you document your goals.
3. **Evaluate financial considerations:** Measure objectives and identify the return expected from a specific investment.
4. **Understand technical considerations:** Evaluate those technical considerations through the selection and completion of your first technical project.

14. Make a plan Stages migrate to the cloud.

1. **Digital estate:** Create an inventory of the existing digital assets and workloads that you plan to migrate to the cloud.
2. **Initial organizational alignment:** Ensure that the right people are involved in your migration efforts, both from a technical standpoint as well as from a cloud governance standpoint.
3. **Skills readiness plan:** Build a plan that helps individuals build the skills they need to operate in the cloud.

4. **Cloud adoption plan:** Build a comprehensive plan that brings together the development, operations, and business teams toward a shared cloud adoption goal.

15. a landing zone, Stages

1. **Azure setup guide:** Review the Azure setup guide to become familiar with the tools and approaches you need to use to create a landing zone.
2. **Azure landing zone:** Begin to build out the Azure subscriptions that support each of the major areas of your business. A landing zone includes cloud infrastructure as well as governance, accounting, and security capabilities.
3. **Expand the landing zone:** Refine your landing zone to ensure that it meets your operations, governance, and security needs.
4. **Best practices:** Start with recommended and proven practices to help ensure that your cloud migration efforts are scalable and maintainable.

16. Cloud Adoption Migrate Stages: The Cloud Adoption Framework breaks this stage into two parts: migrate and innovate.

1. **Migrate your first workload:** Use the Azure migration guide to deploy your first project to the cloud.
2. **Migration scenarios:** Use additional in-depth guides to explore more complex migration scenarios.
3. **Best practices:** Check in with the Azure cloud migration best practices checklist to verify that you're following recommended practices.
4. **Process improvements:** Identify ways to make the migration process scale while requiring less effort.

17. Cloud Adoption innovate Stages: The Cloud Adoption Framework breaks this stage into two parts: migrate and innovate.

1. **Business value consensus:** Verify that investments in new innovations add value to the business and meet customer needs.
2. **Azure innovation guide:** Use this guide to accelerate development and build a minimum viable product (MVP) for your idea

3. **Best practices:** Verify that your progress maps to recommended practices before you move forward.
4. **Feedback loops:** Check in frequently with your customers to verify that you're building what they need.

18. steps in the govern part of this stage

1. **Methodology:** Consider your end state solution. Then define a methodology that incrementally takes you from your first steps all the way to full cloud governance.
2. **Benchmark:** Use the governance benchmark tool to assess your current state and future state to establish a vision for applying the framework.
3. **Initial governance foundation:** Create an MVP that captures the first steps of your governance plan.
4. **Improve the initial governance foundation:** Iteratively add governance controls that address tangible risks as you progress toward your end state solution.

19. steps in the manage part of this stage

1. **Establish a management baseline:** Define your minimum commitment to operations management. A management baseline is the minimum set of tools and processes that should be applied to every asset in an environment.
2. **Define business commitments:** Document supported workloads to establish operational commitments with the business and agree on cloud management investments for each workload.
3. **Expand the management baseline:** Apply recommended best practices to iterate on your initial management baseline.
4. **Advanced operations and design principles:** For workloads that require a higher level of business commitment, perform a deeper architecture review to deliver on your resiliency and reliability commitments.

20. This team is empowered to implement governance practices from a centralized location for the entire organization.

1. cloud center of excellence team

2. cloud enablement team
 3. cloud custodian team
21. There are three main aspects to consider when you create and manage subscriptions:
1. Billing
 2. access control
 3. subscription limits.