

Step by step implementation of Azure Security Controls

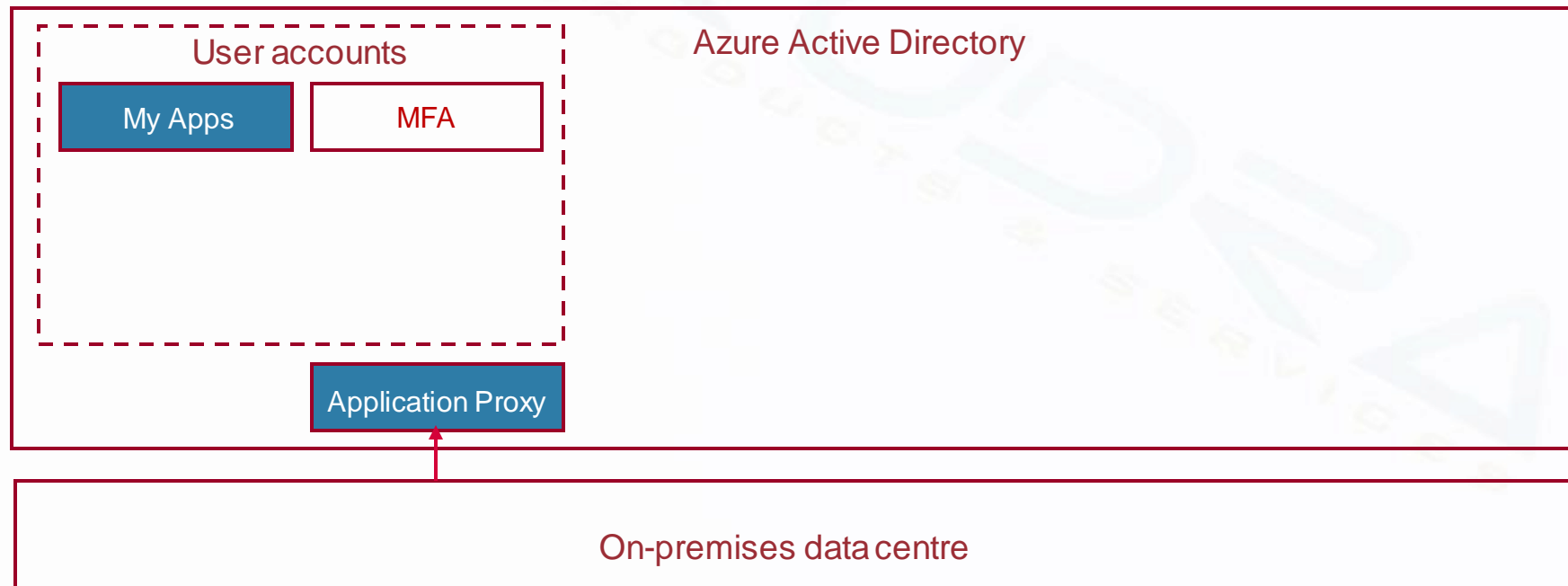
Step 1 – Manage user accounts



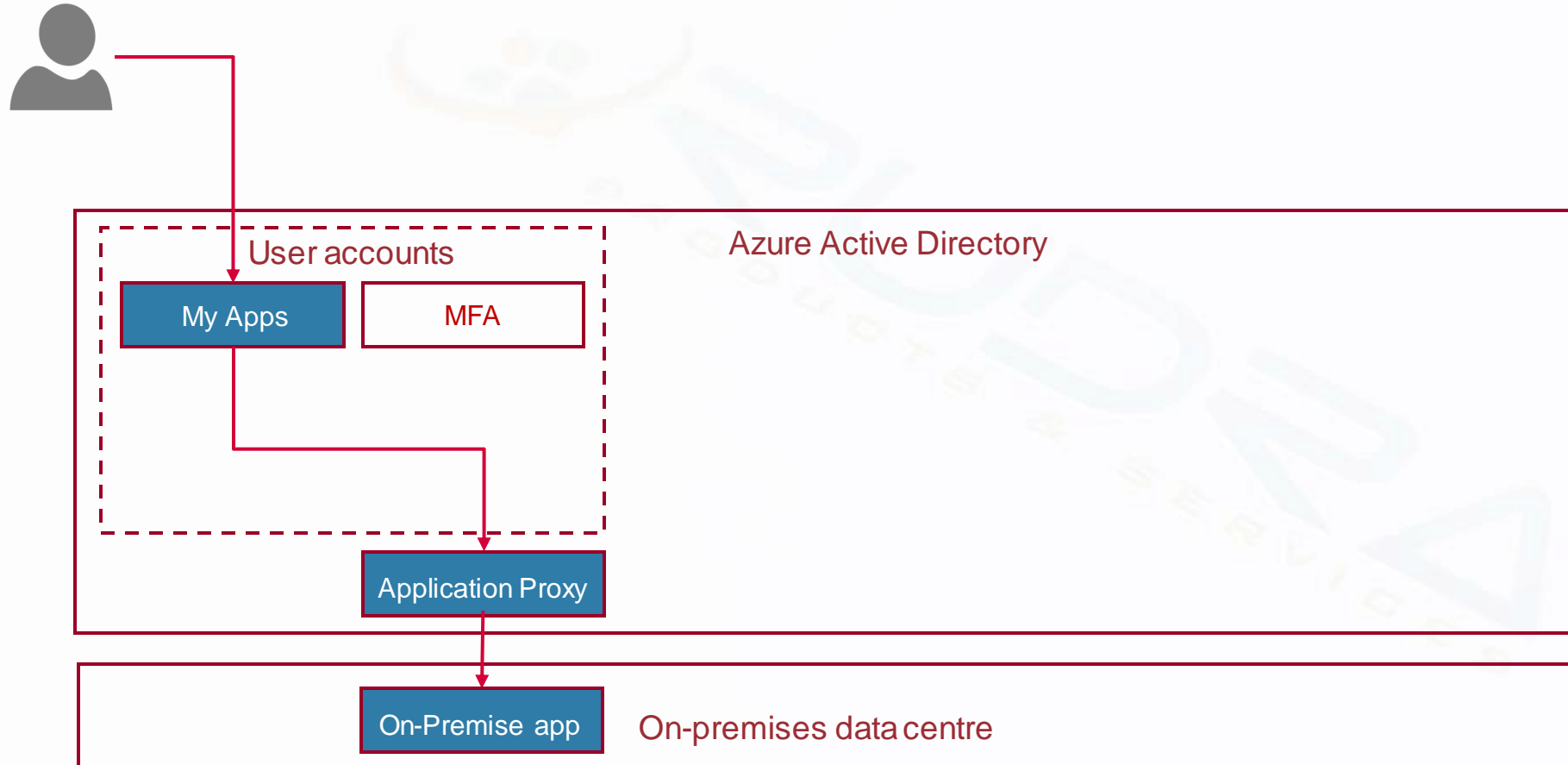
Step 2 – My Apps portal password reset, MFA and groups configuration



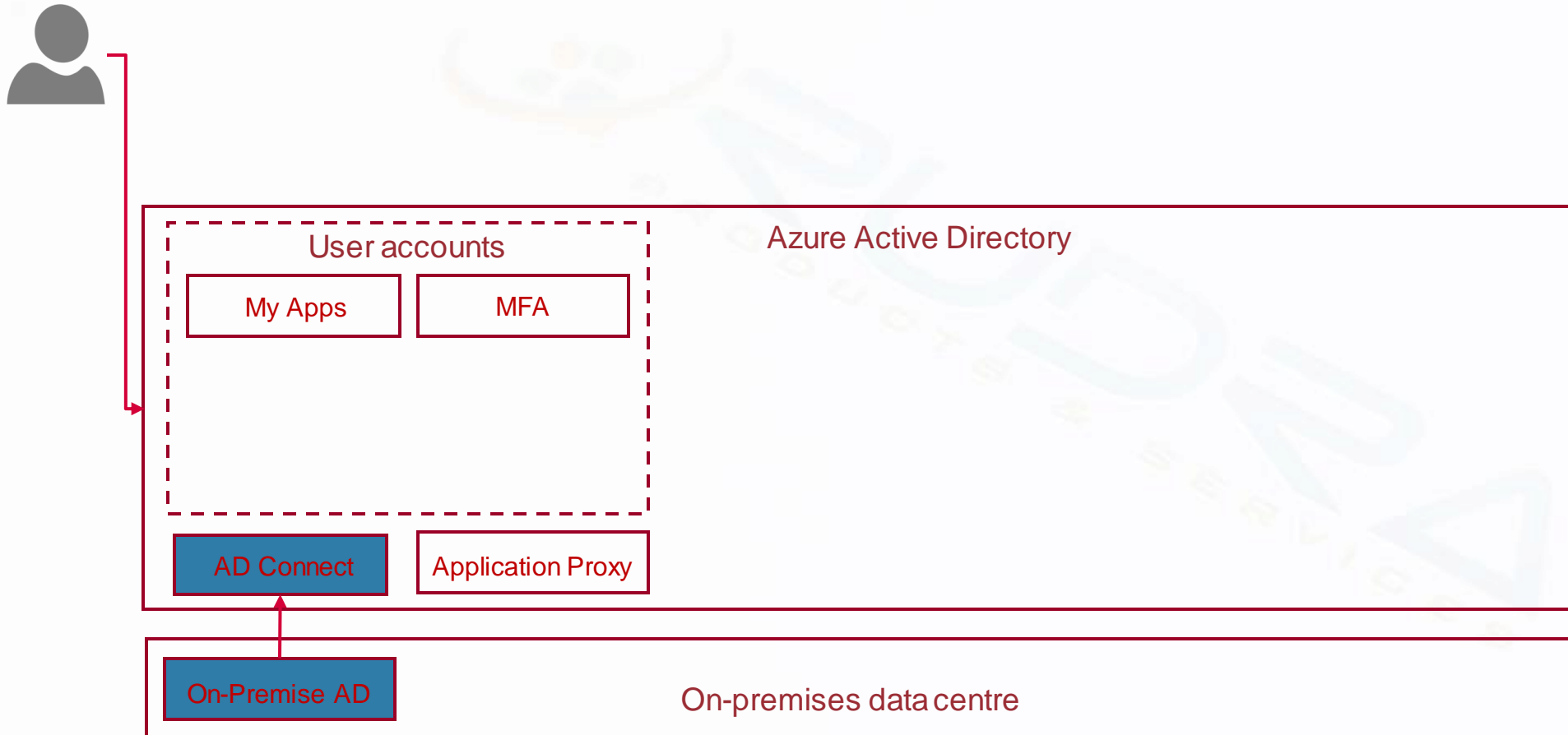
Step 3 – Publish an On-premise app into MyApps portal



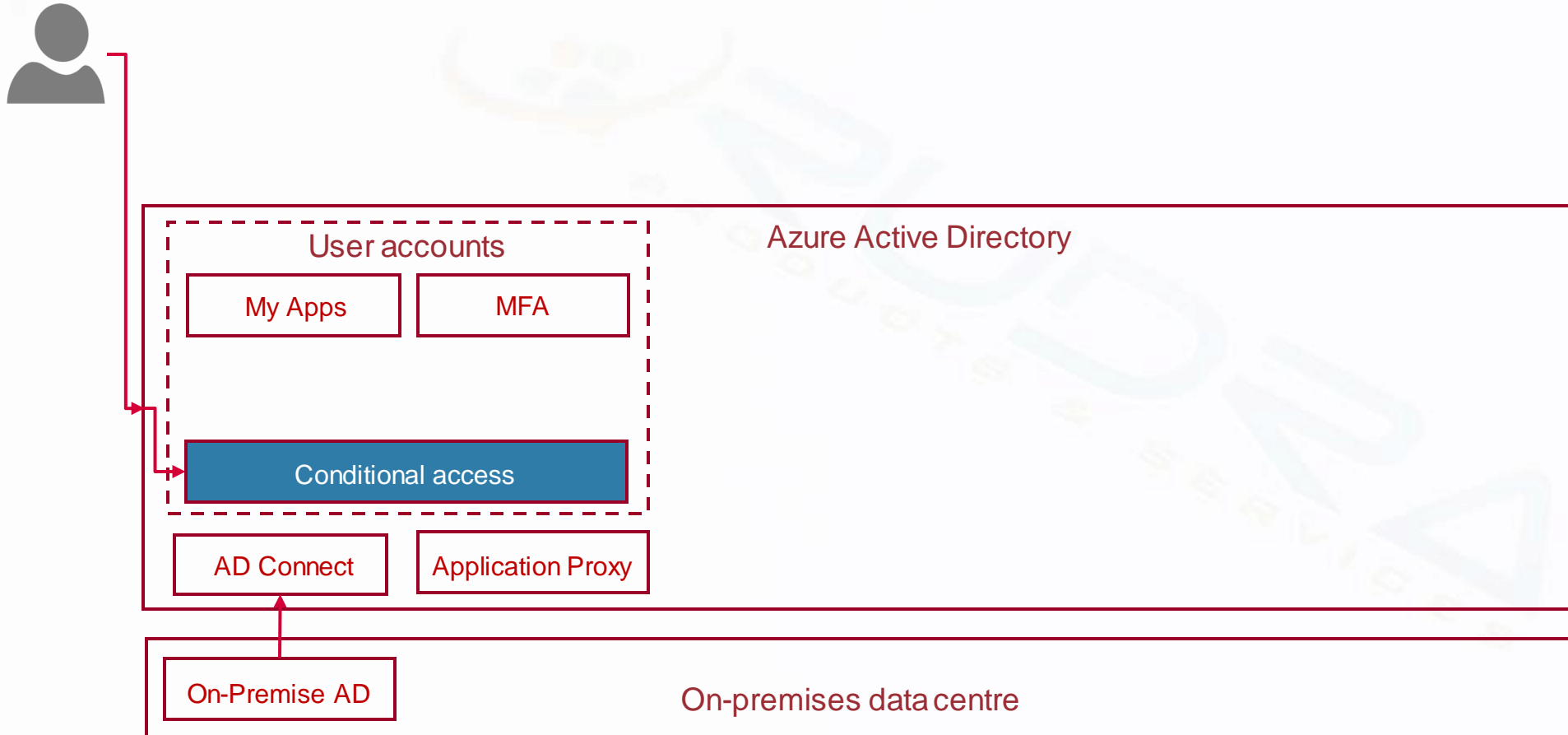
Step 4 – Enable Password based SSO for an on-premise app



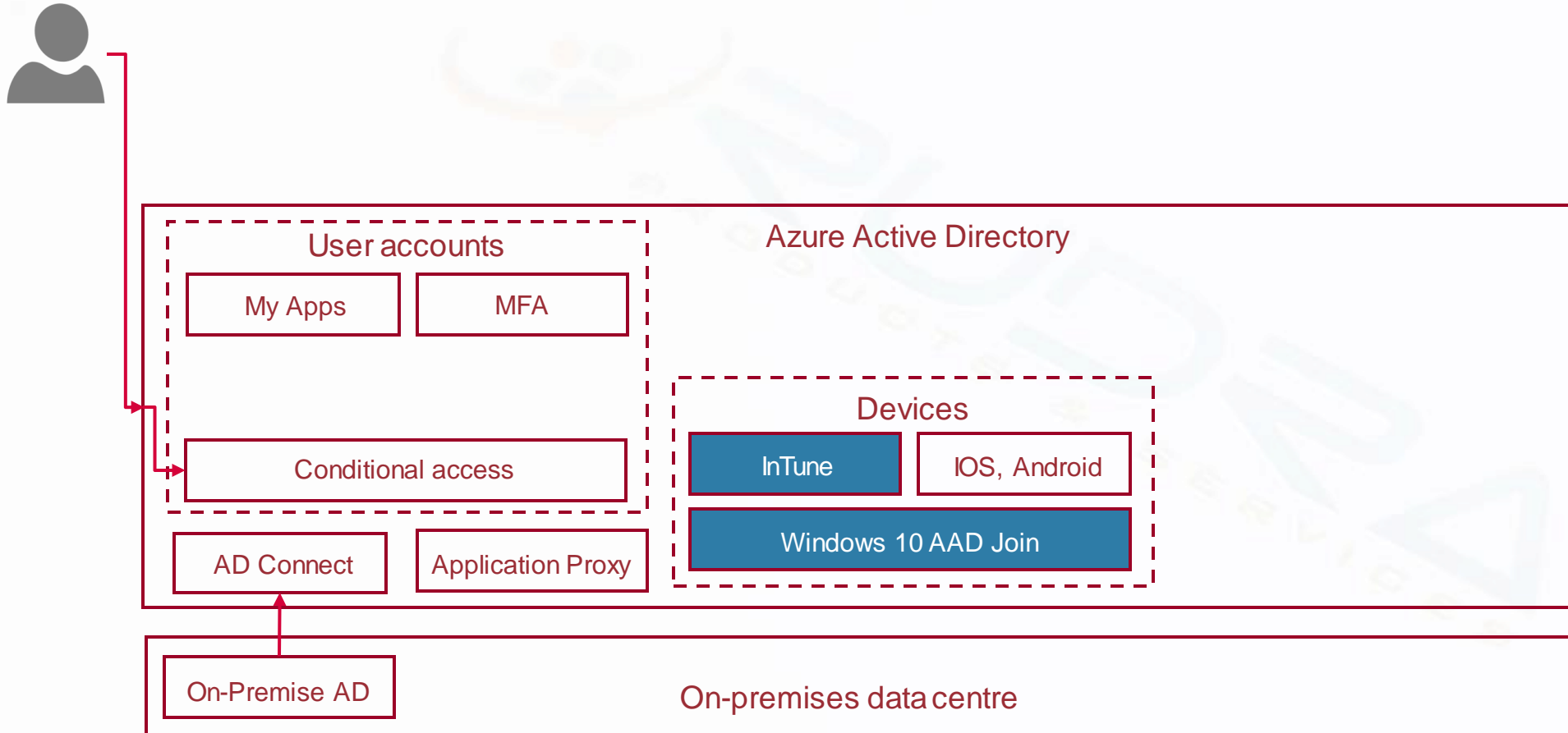
Step 5 – Synchronise users from On-premise AD into AAD



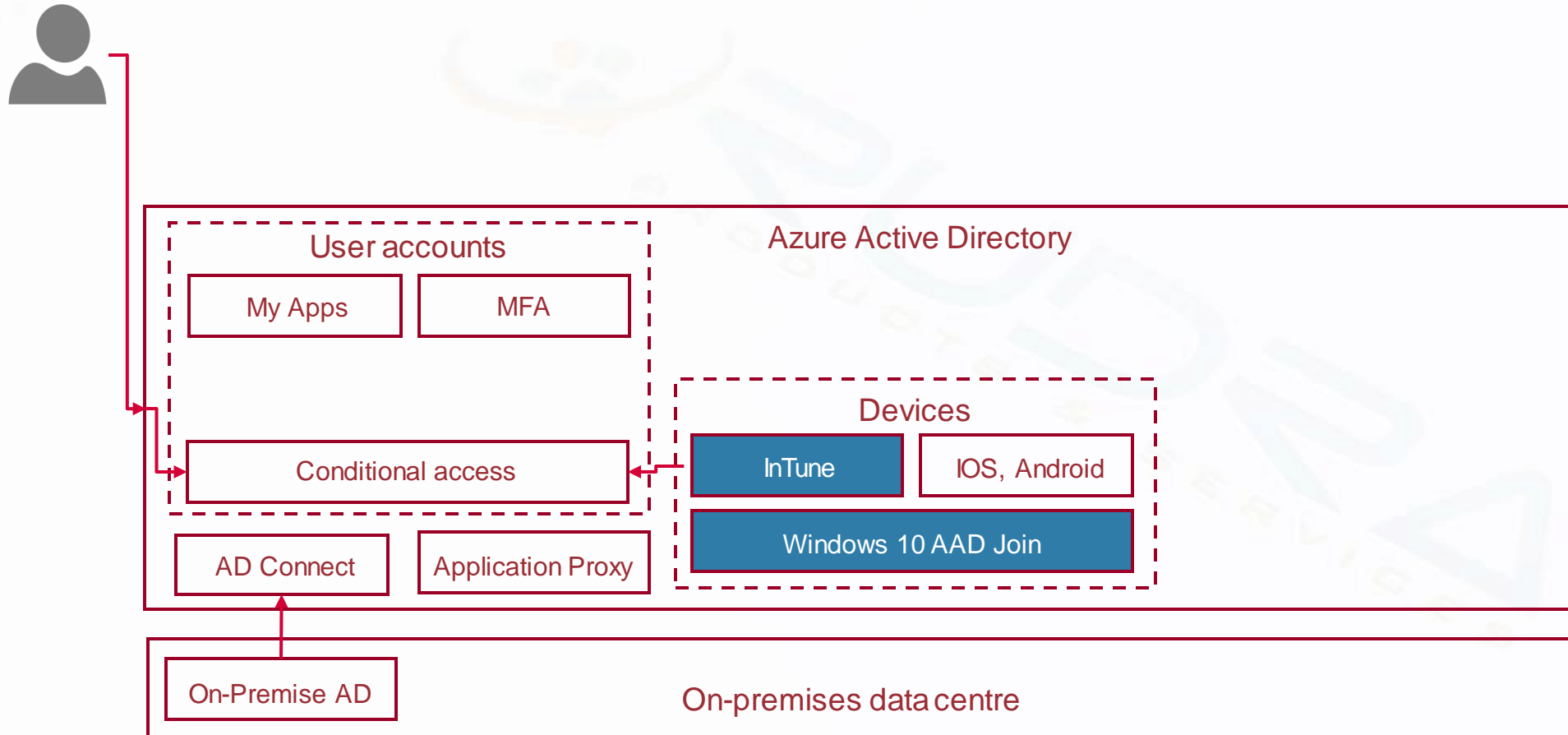
Step 6 – Implement location based conditional access policy



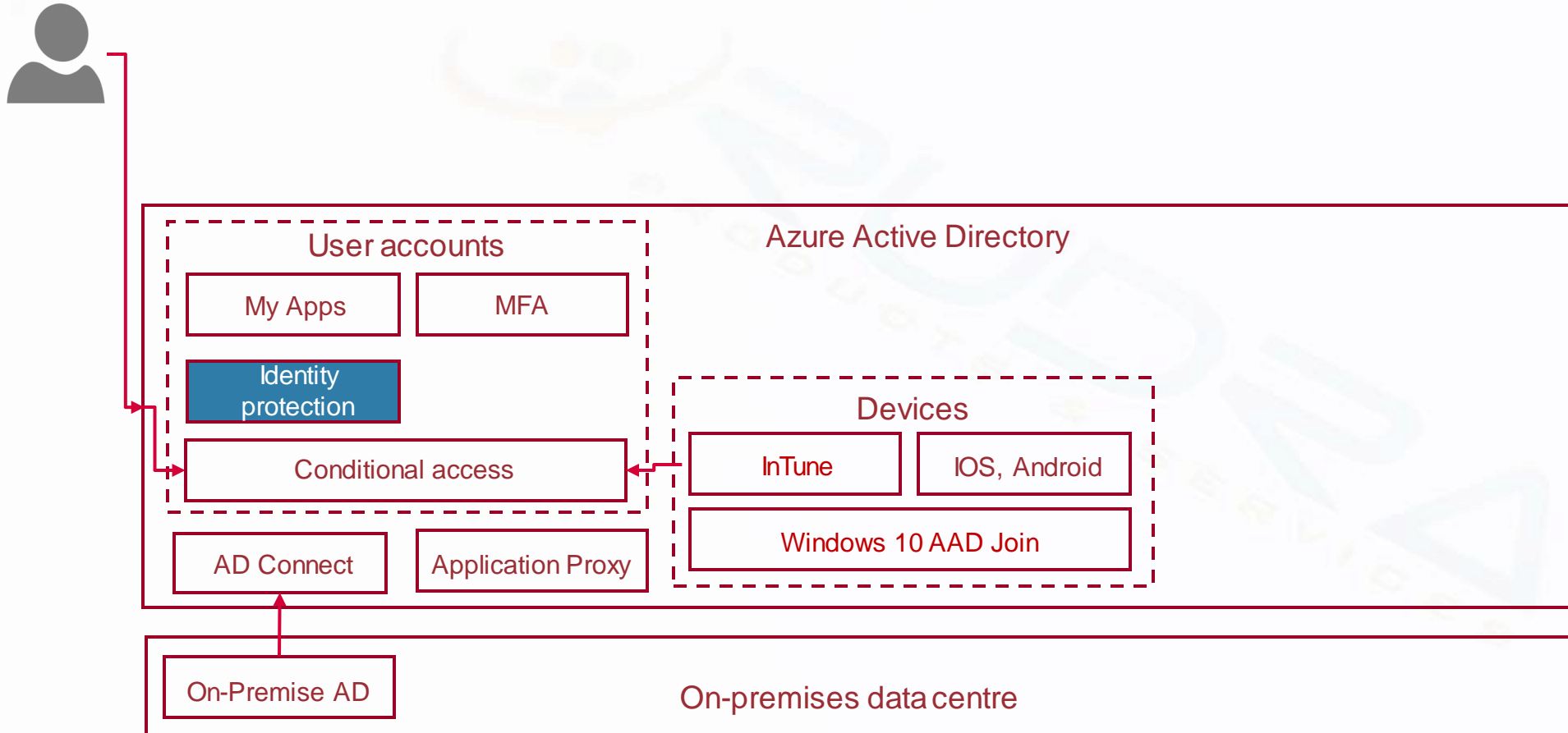
Step 7 – AAD join a Windows 10 device and enrol into Intune



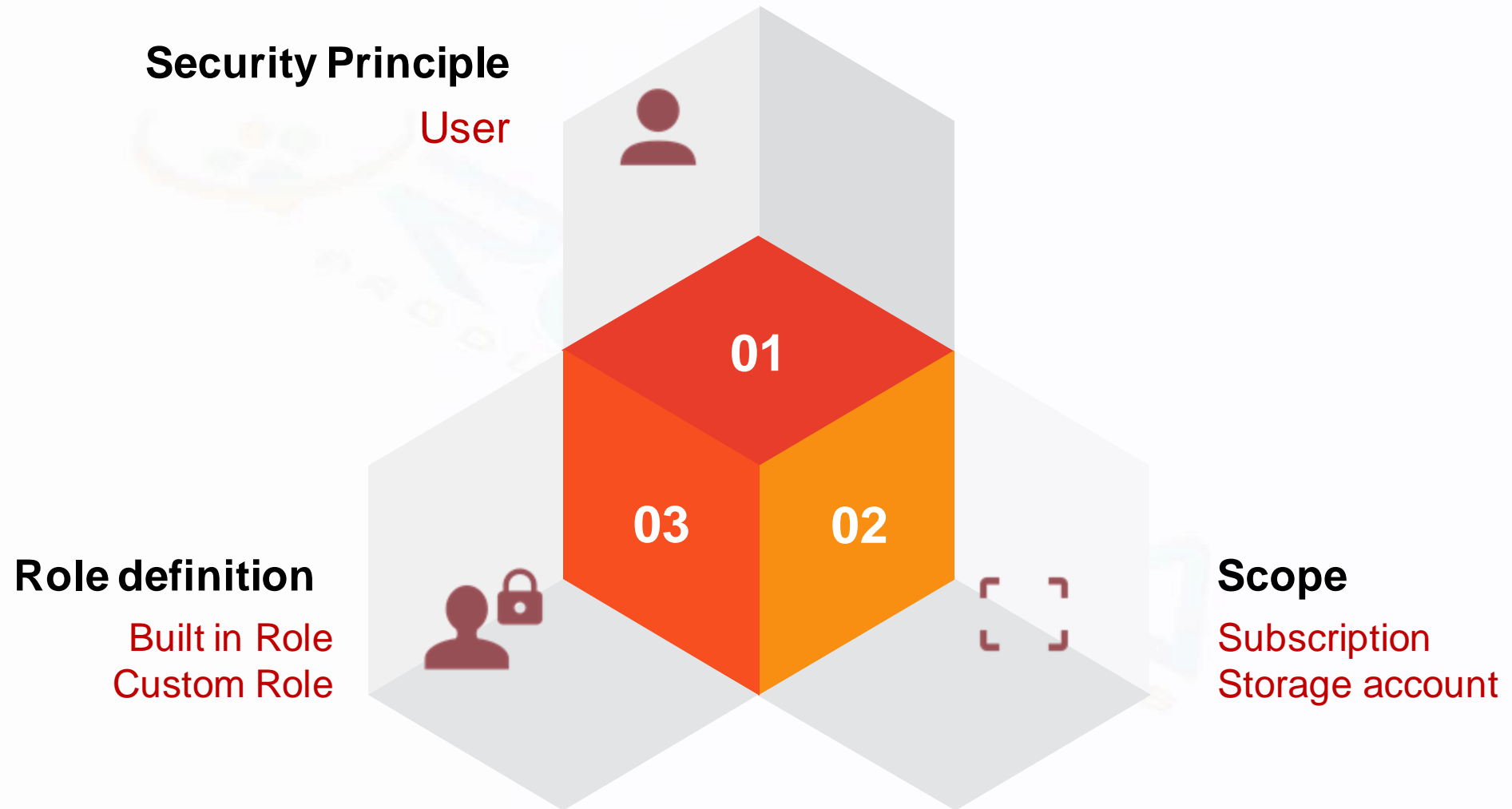
Step 8 – Implement device based conditional access



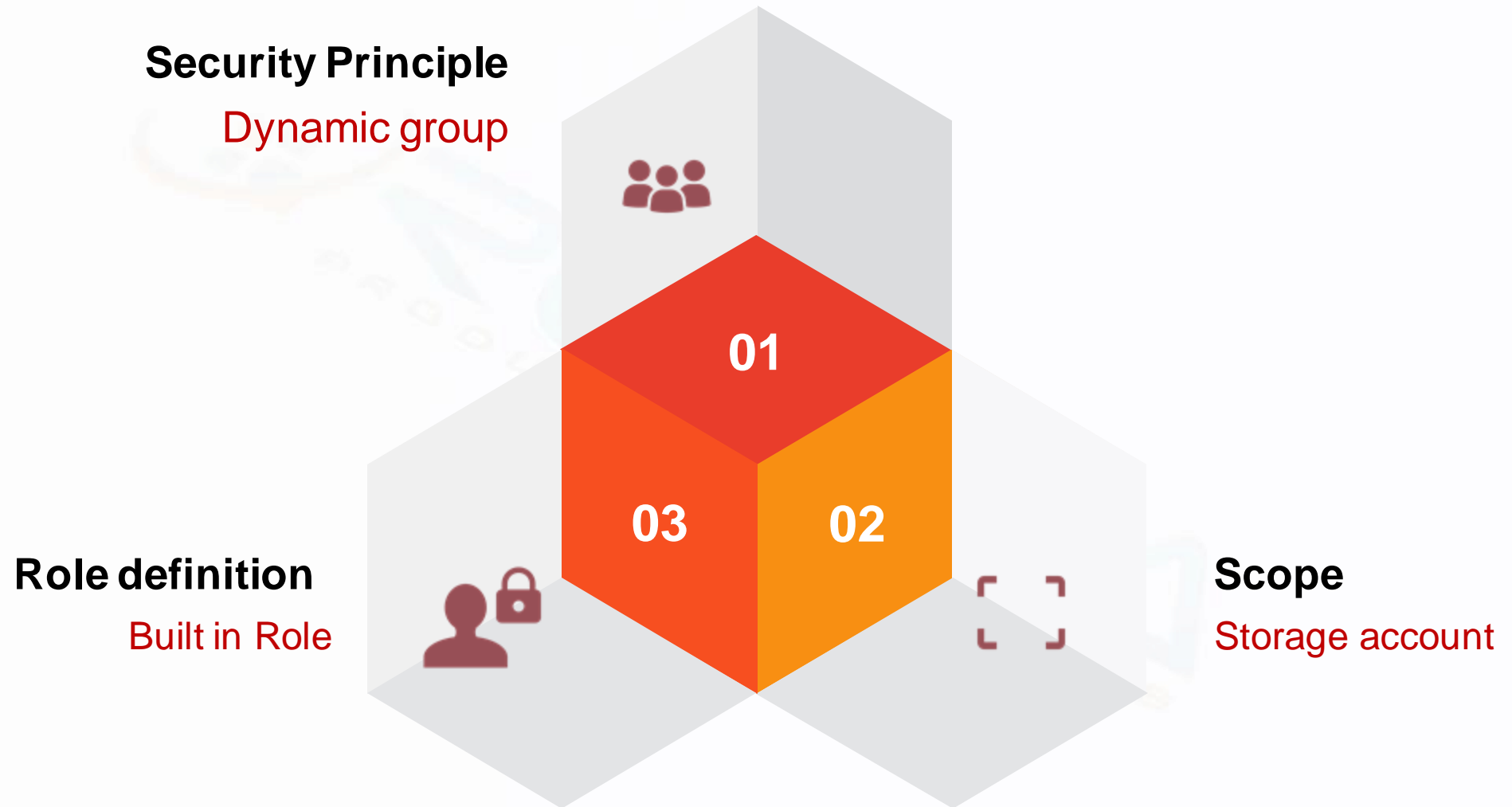
Step 8a – Implement AAD Identity protection



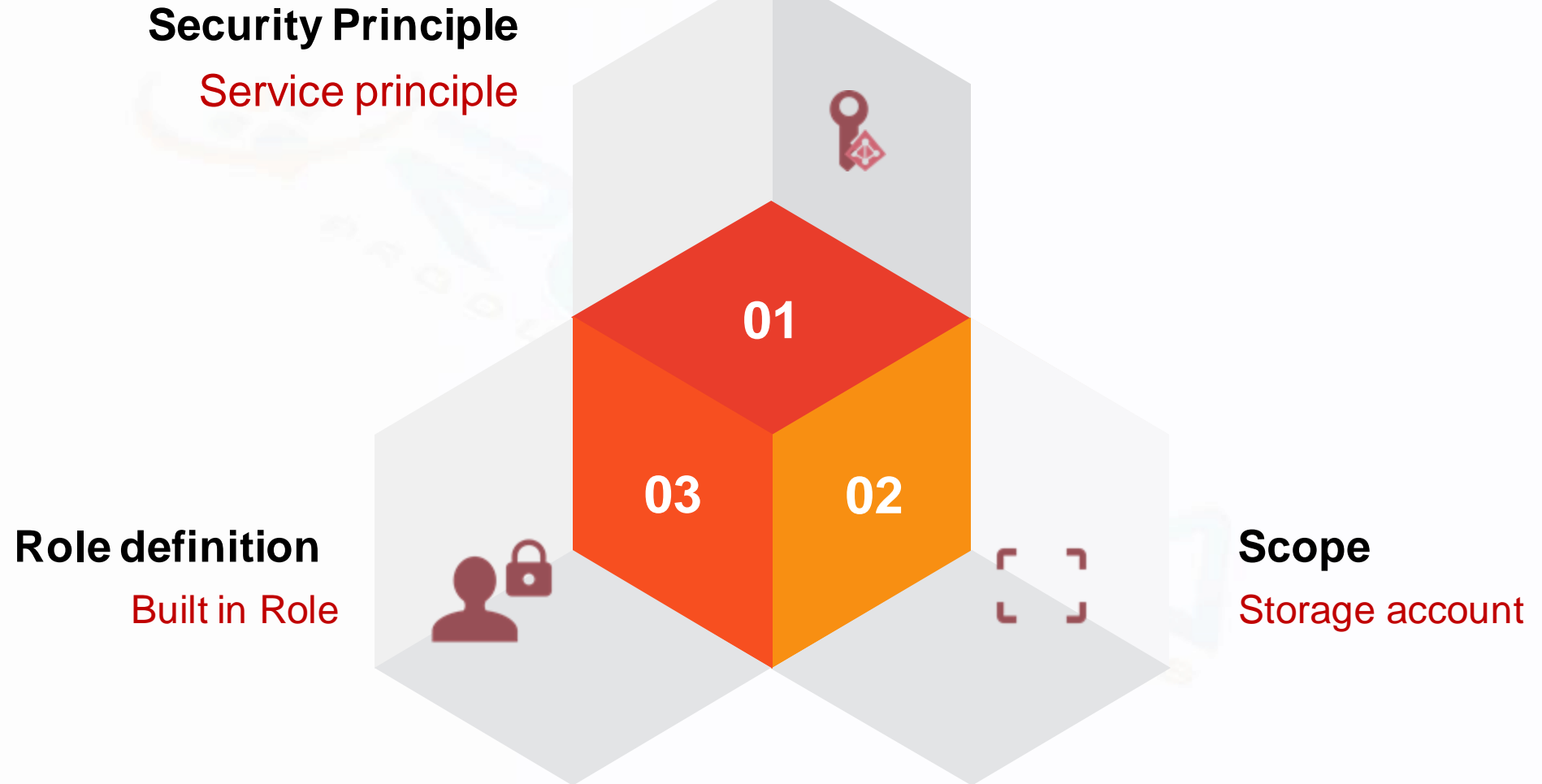
Step 9 – Built in roles, Role assignment and Creation of custom role



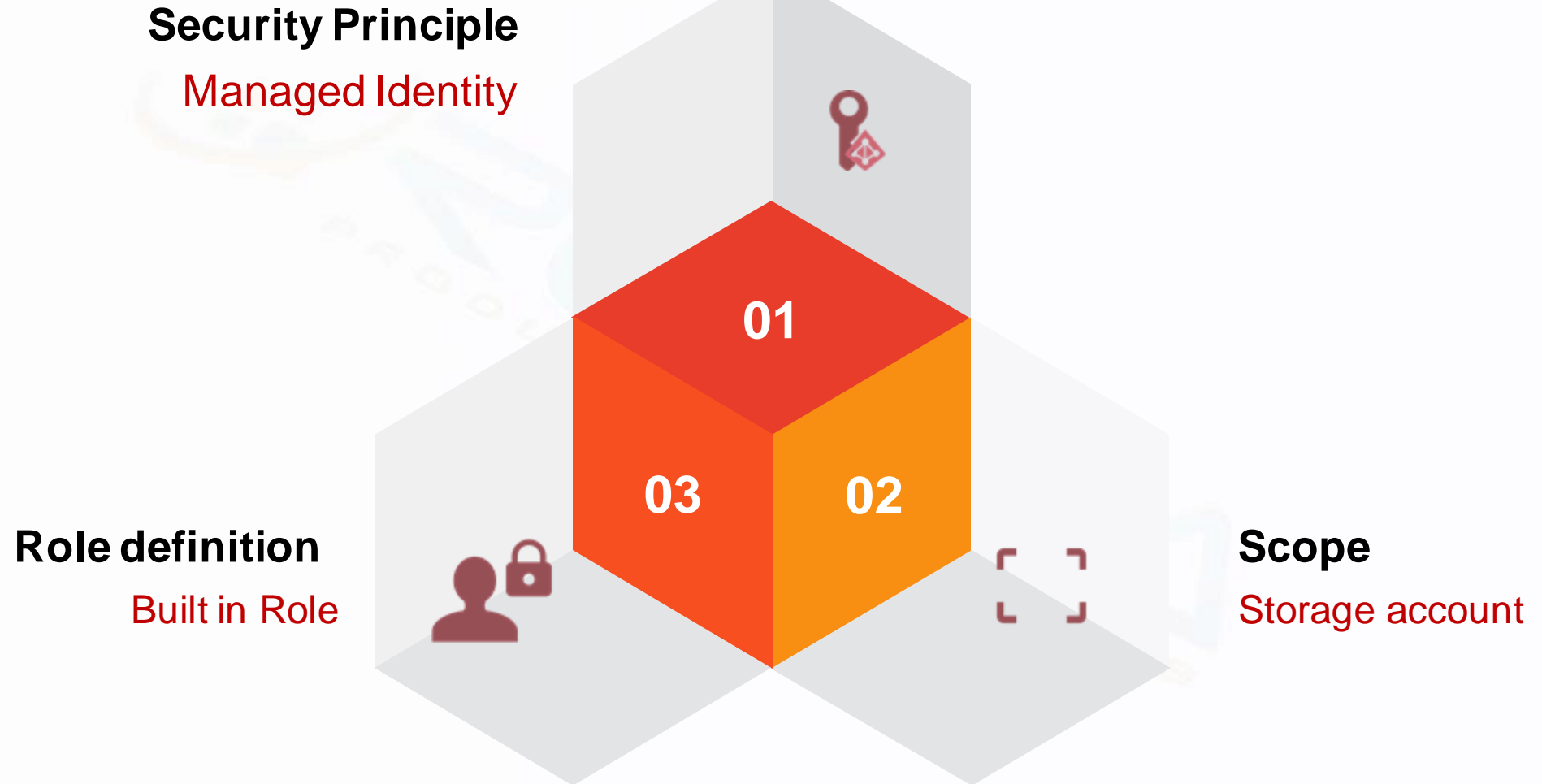
Step 10 – Dynamic group creation and role assignment



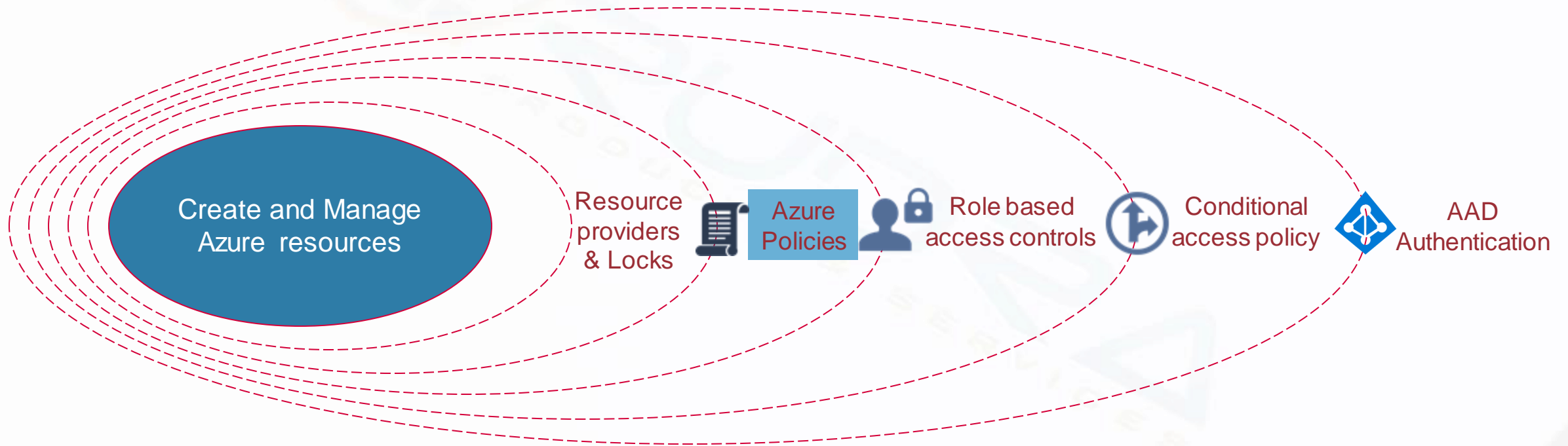
Step 11 – Service principle creation and role assignment



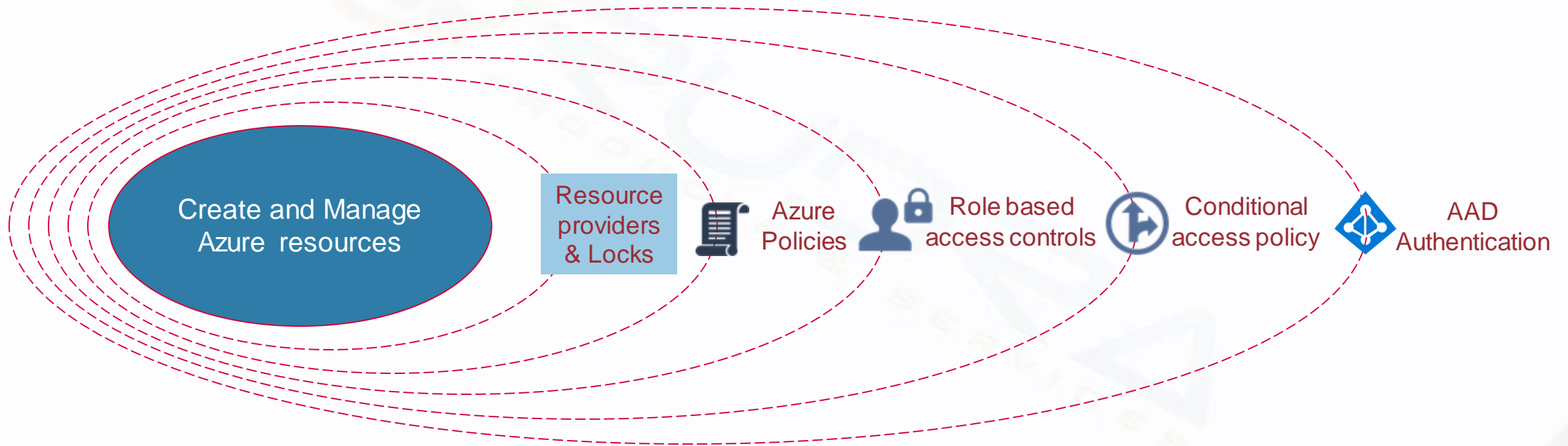
Step 12 – Managed identity creation and role assignment



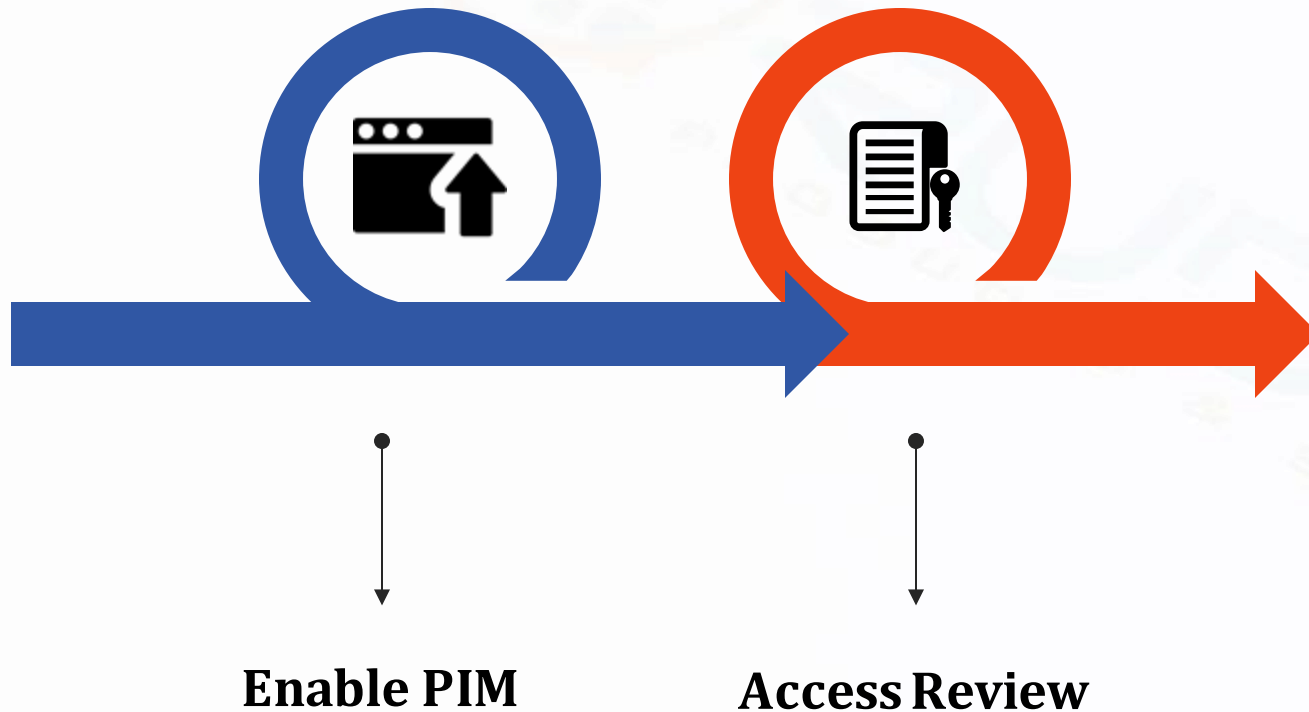
Step 13 – Implement Azure policies



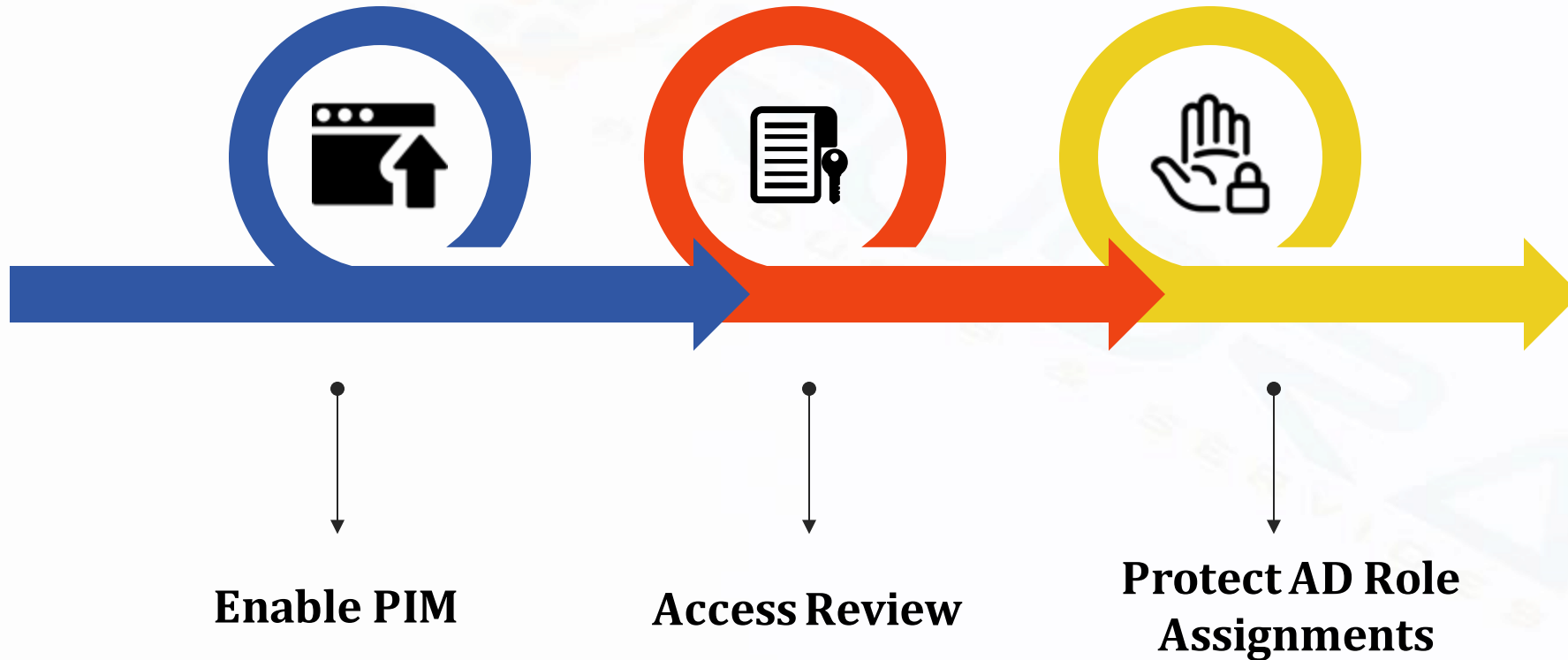
Step 14 – Resource providers & locks



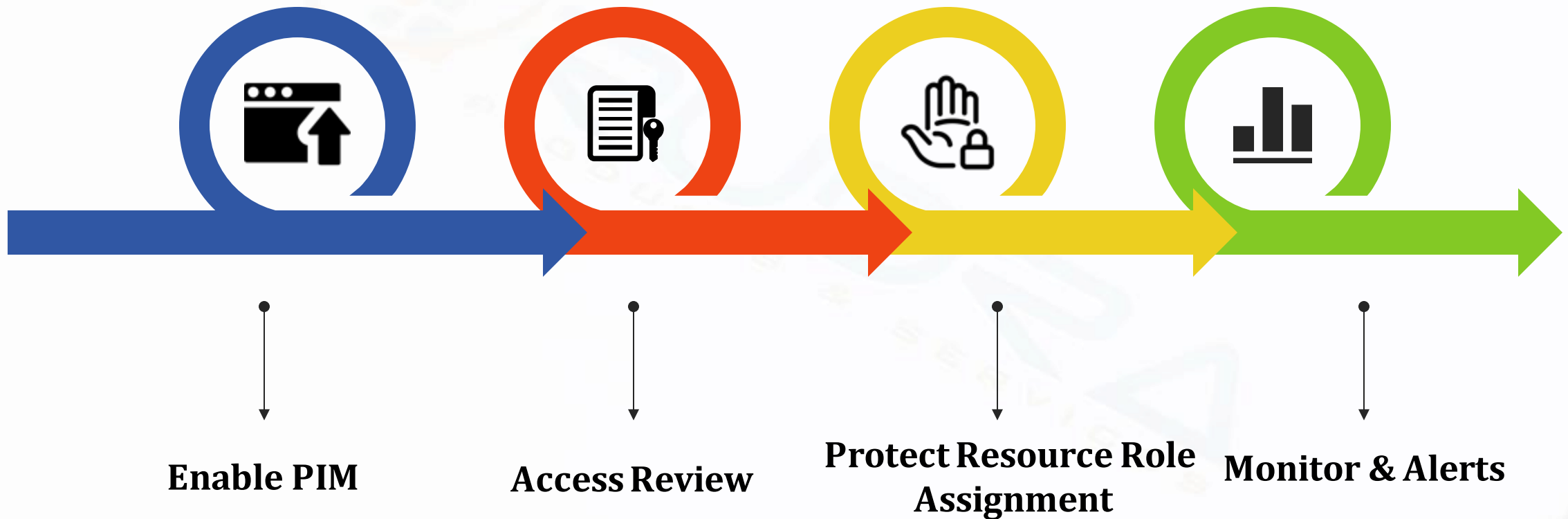
Step 15 – Initiate PIM and conduct access review



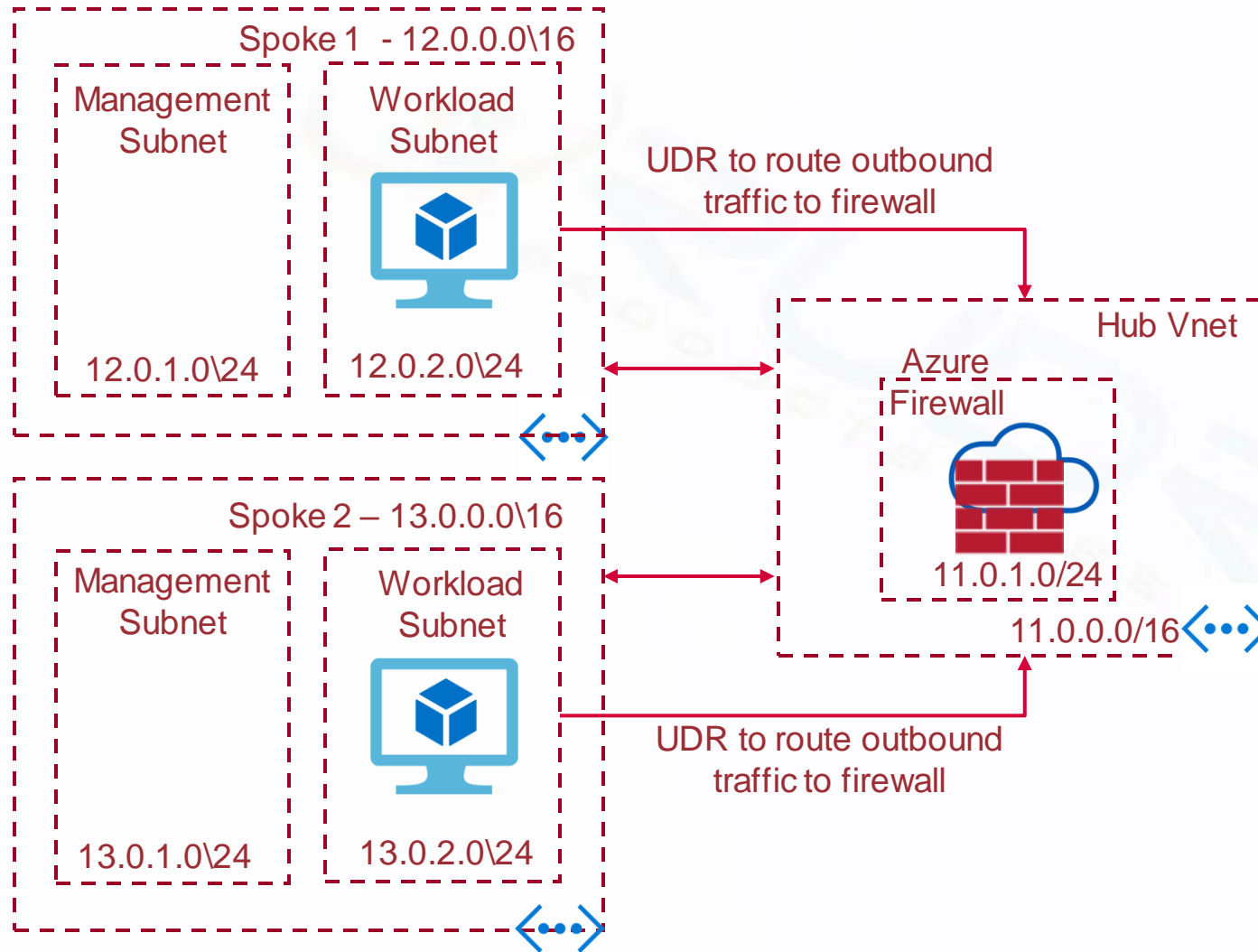
Step 16 – Protect AD role assignments using PIM



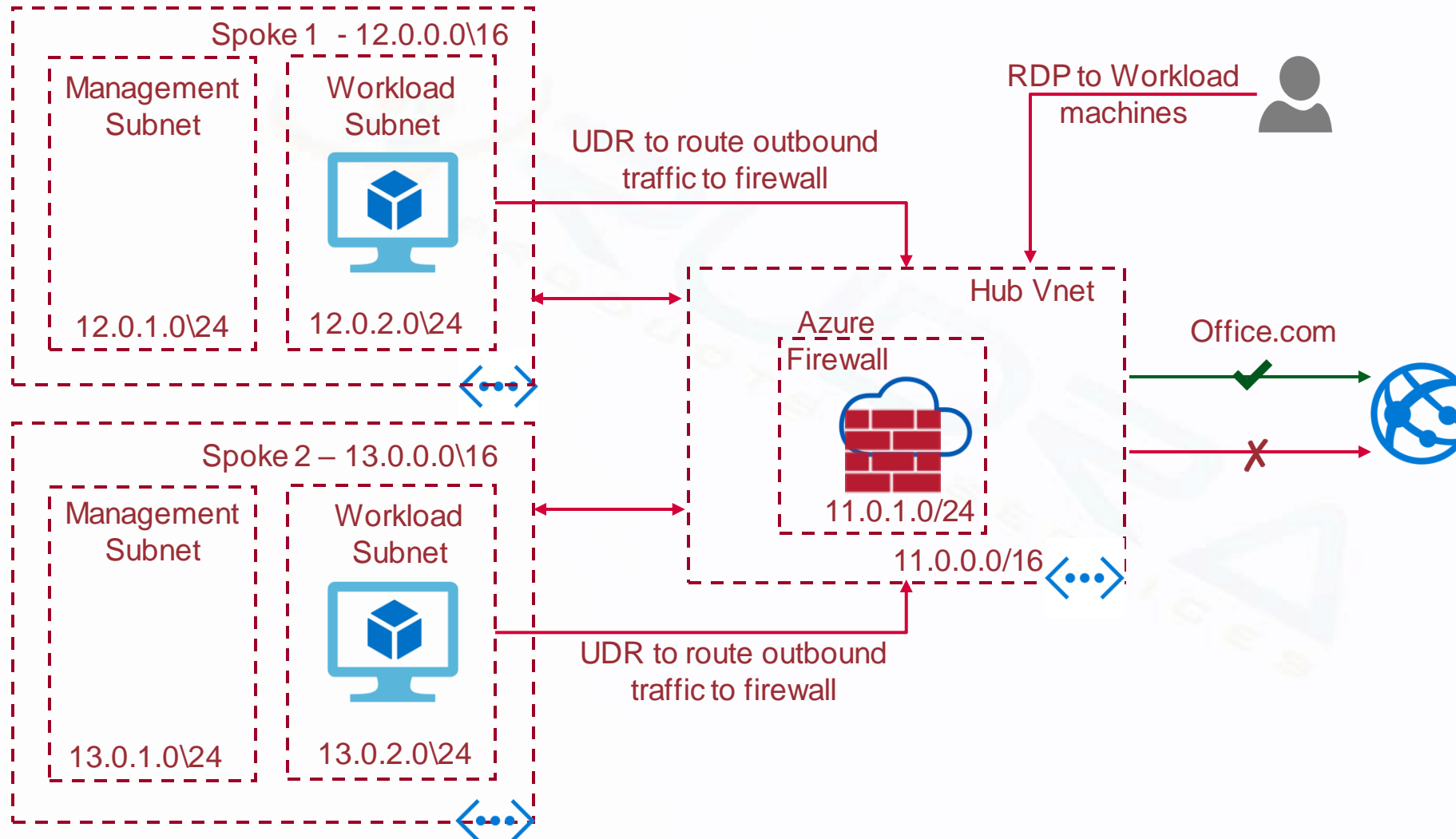
Step 17 – Protect resource role assignment and monitor PIM



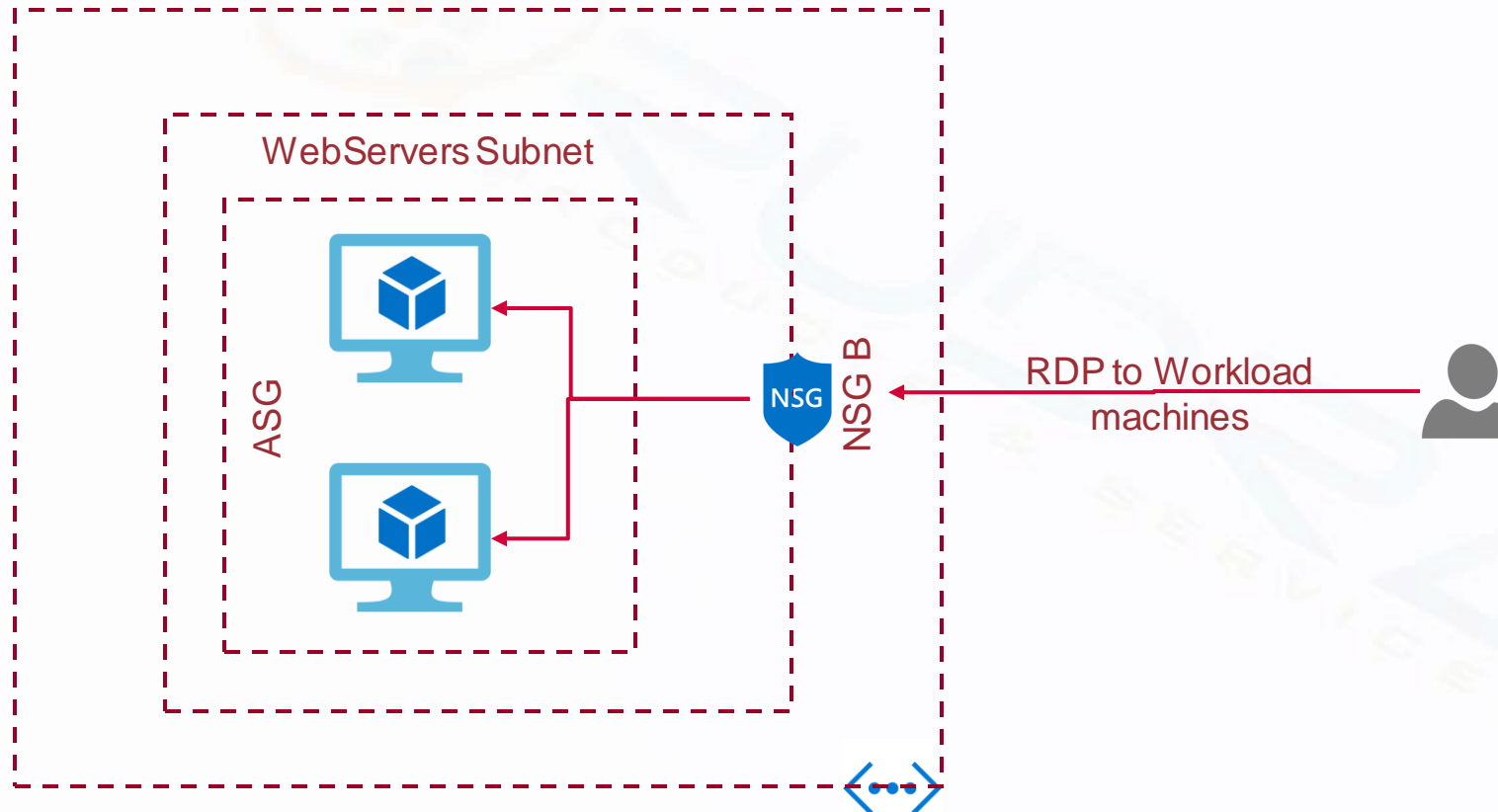
Step 18a – Deploy Azure Firewall in Hub and Spoke model



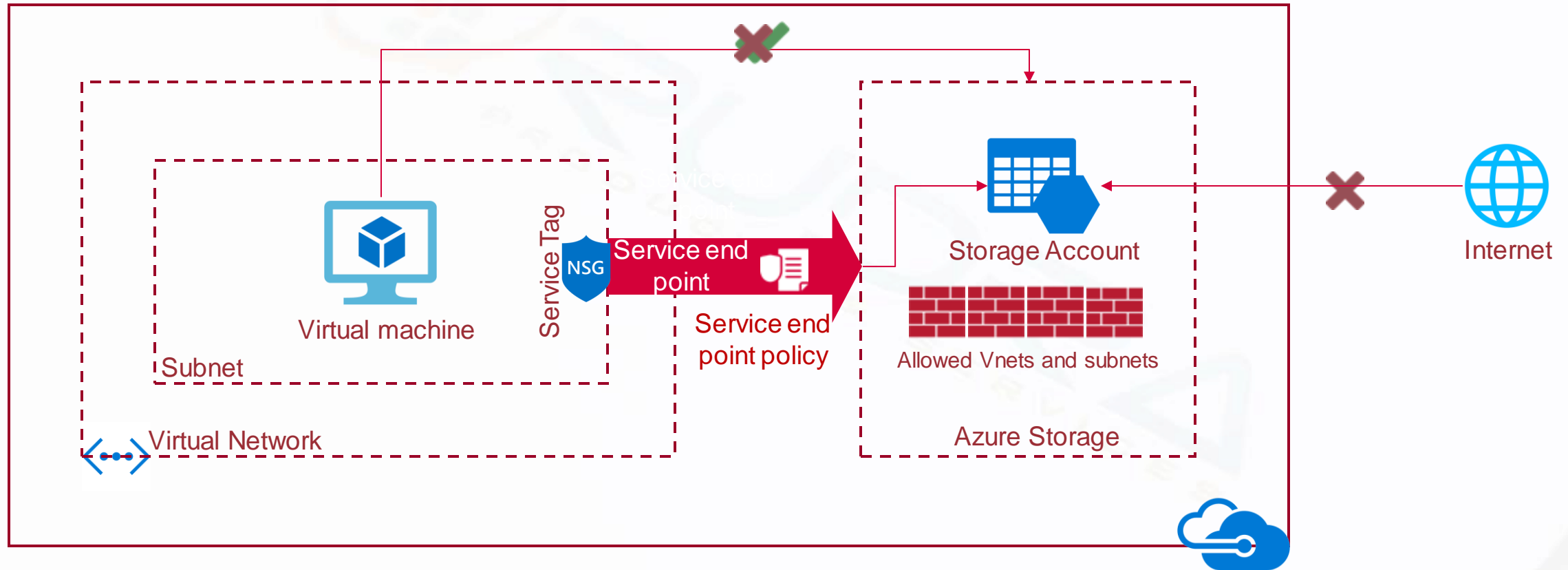
Step 18b – Configure Azure Firewall to allow RDP and control outbound traffic



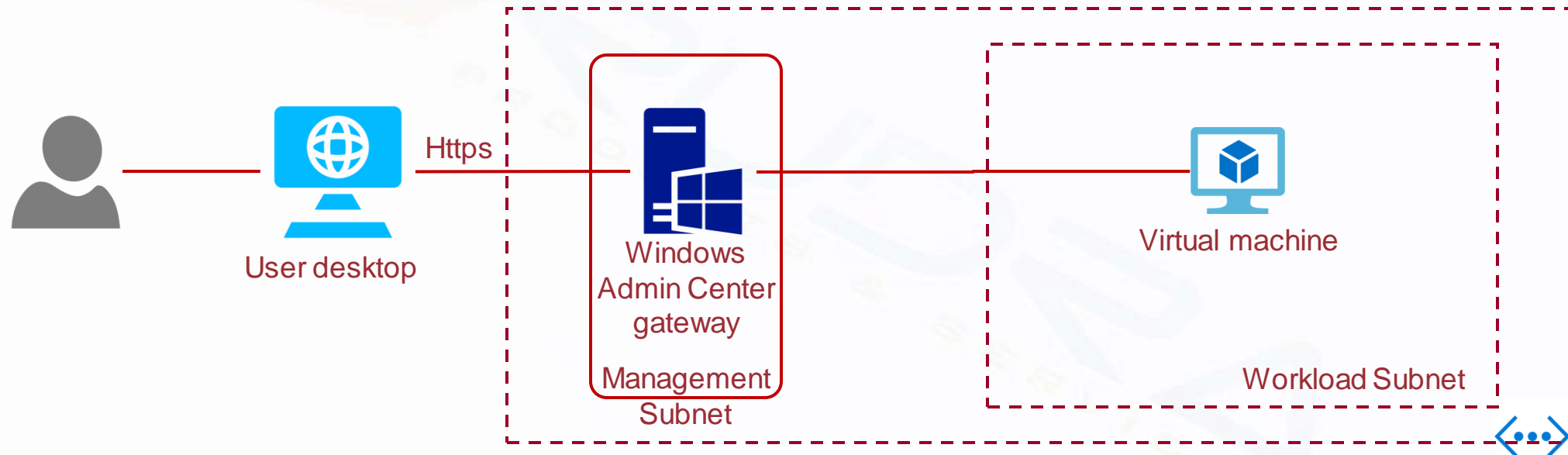
Step 19 – Configure NSG & ASG to control inbound RDP traffic



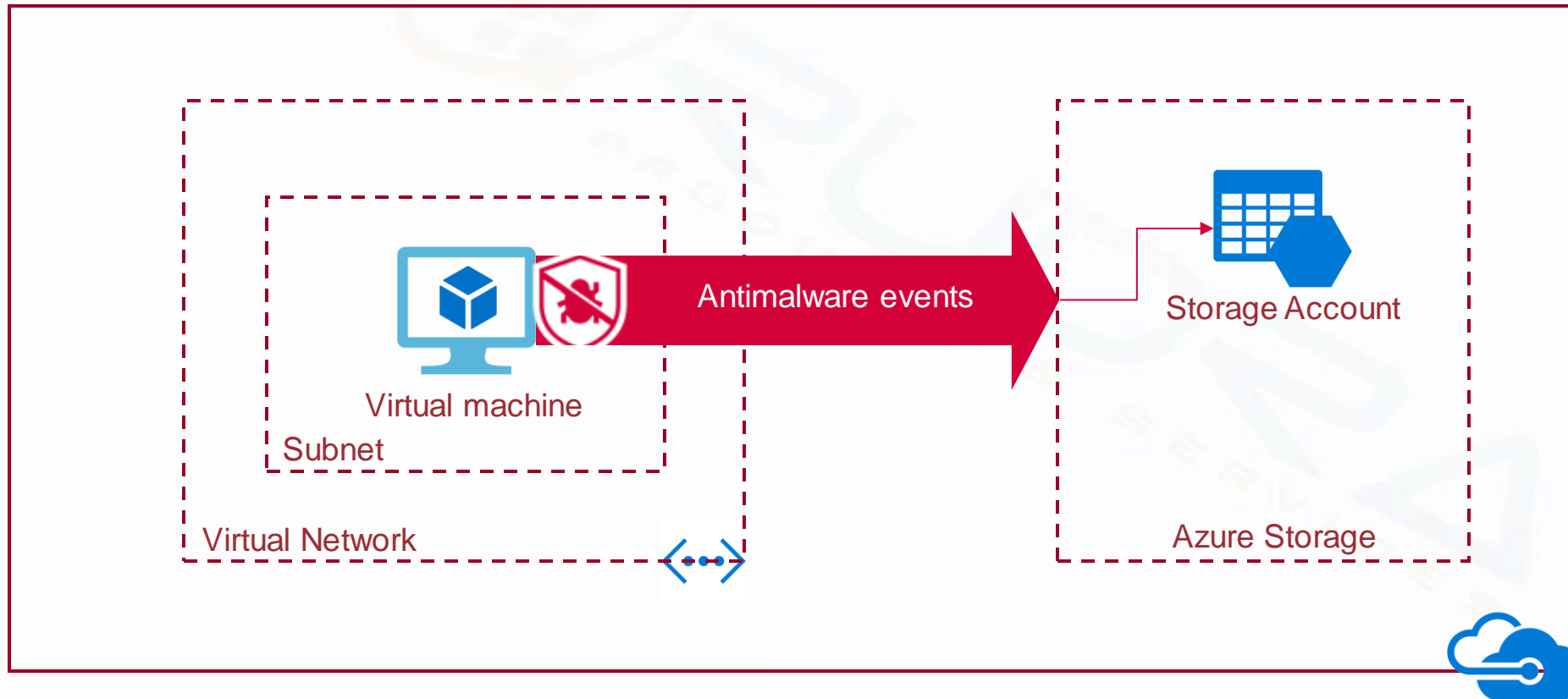
Step 20 – Configure service endpoint and policy



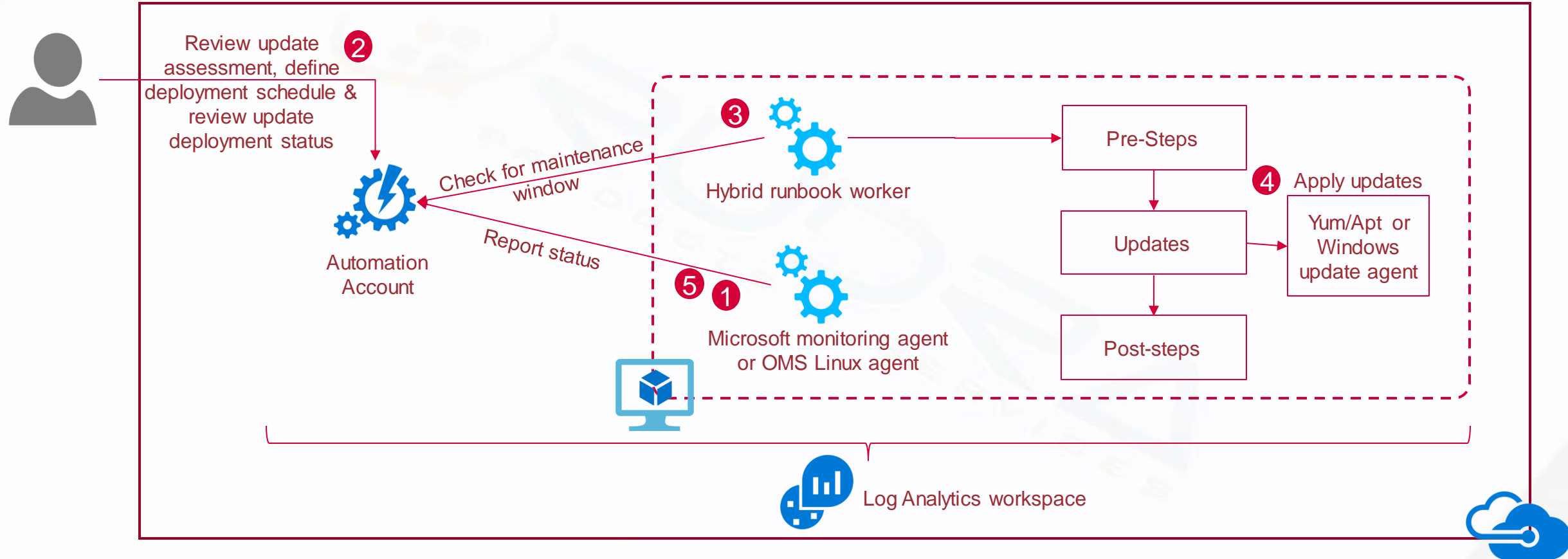
Step 21 – Remote access Azure VM using Windows Admin Centre



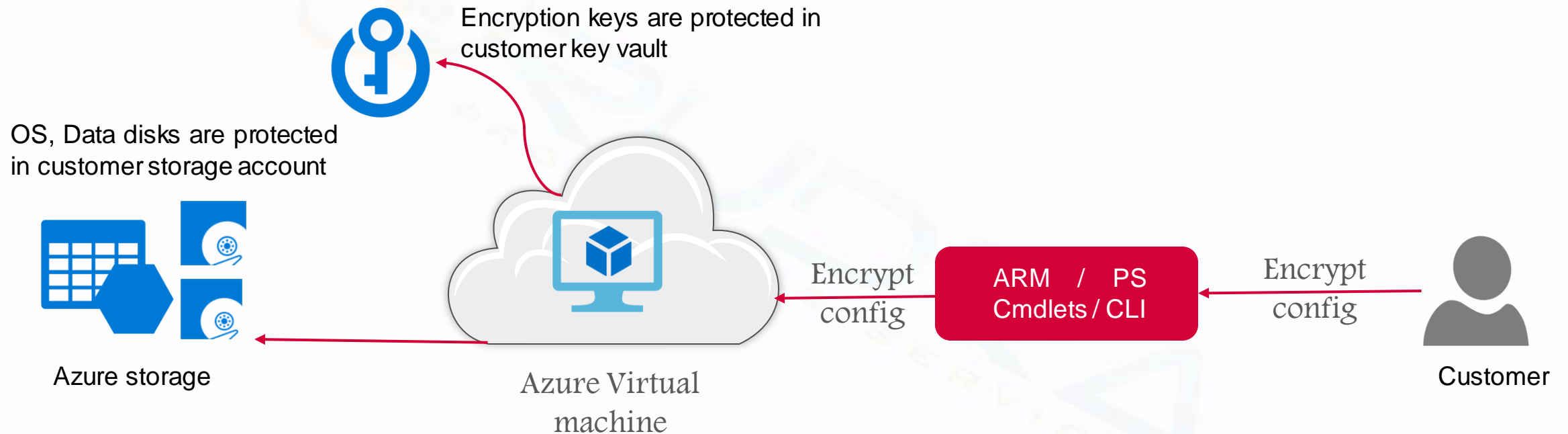
Step 22 – IaaS security – Endpoint protection



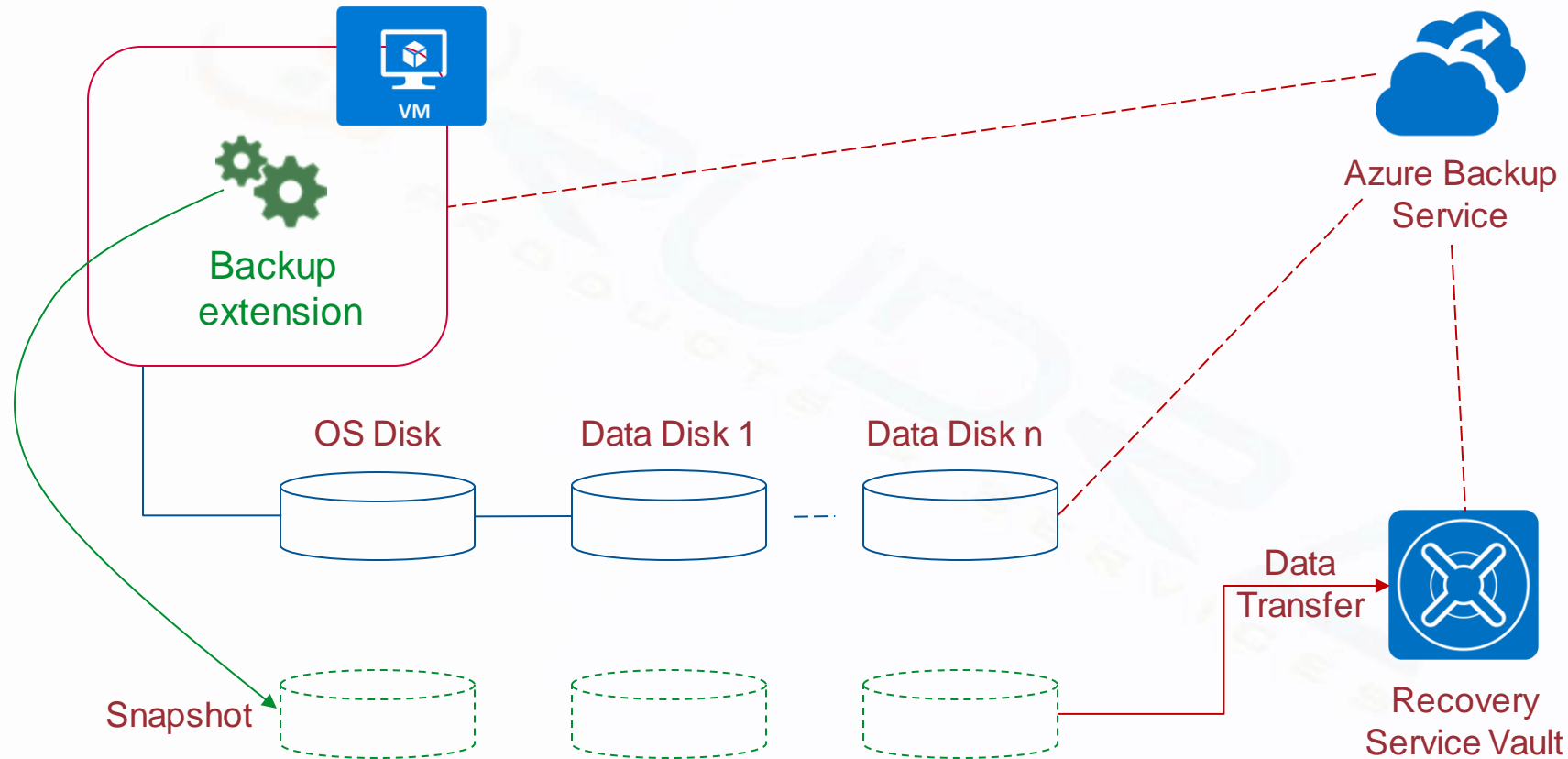
Step 23 – IaaS Security – Update management



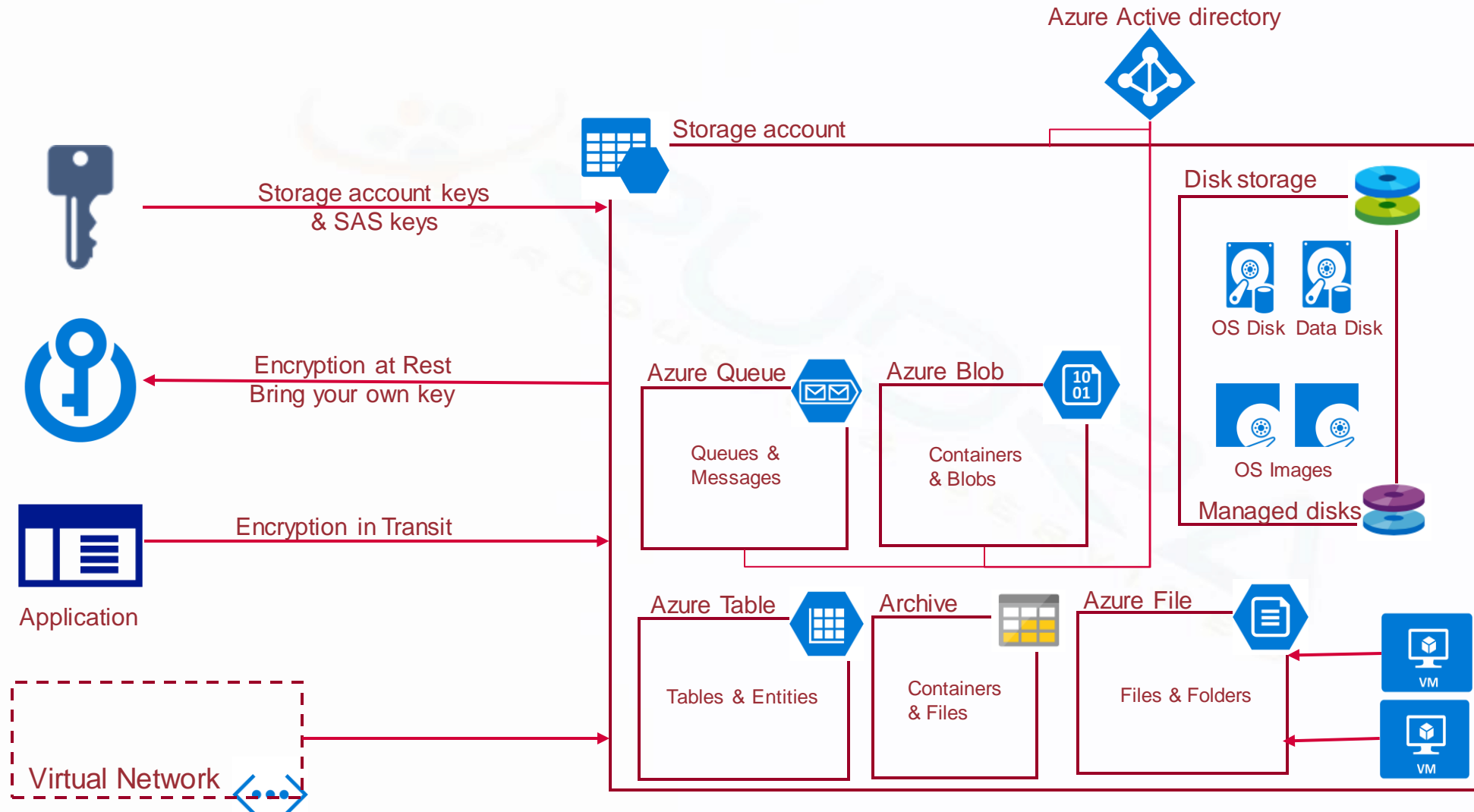
Step 24 – IaaS Security – Disk encryption



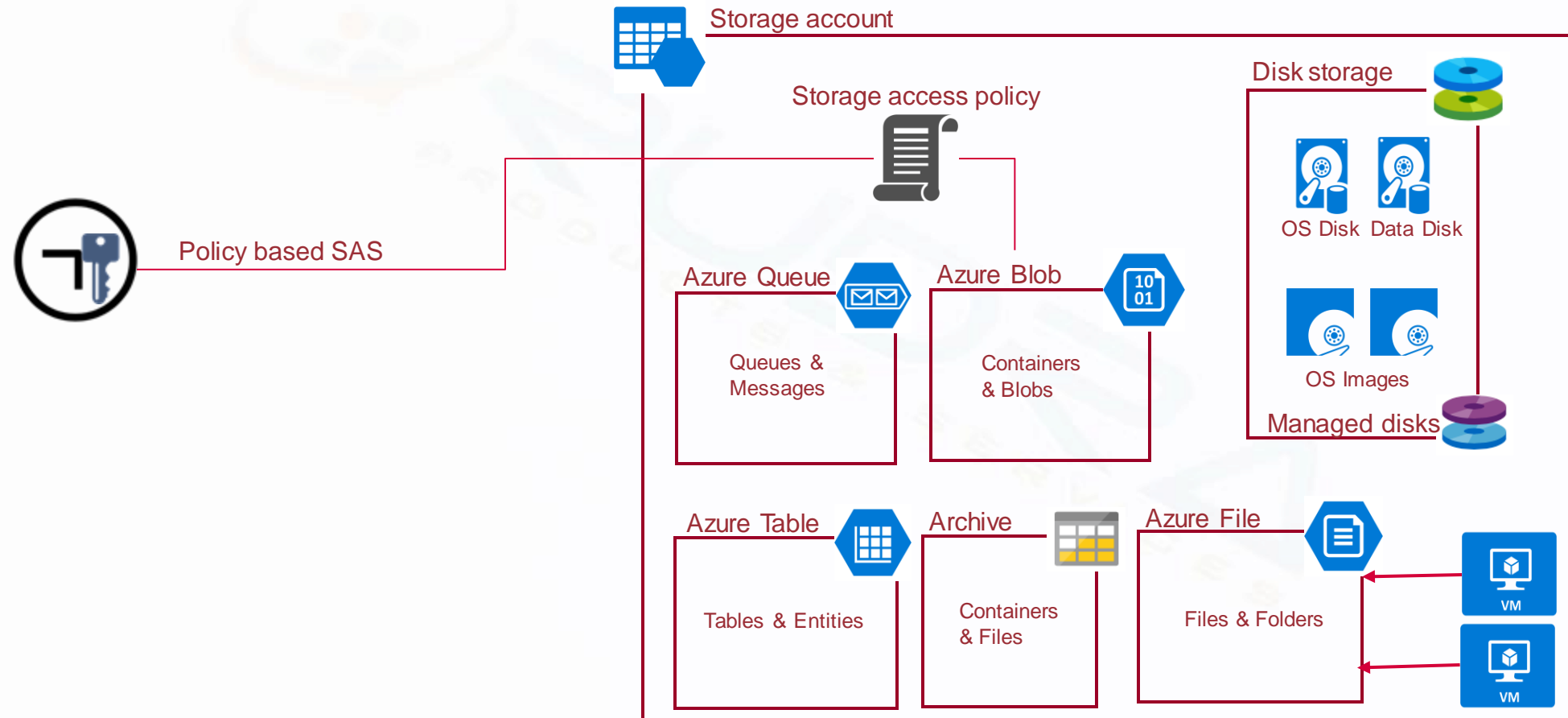
Step 25 - IaaS Security – Backup encryption



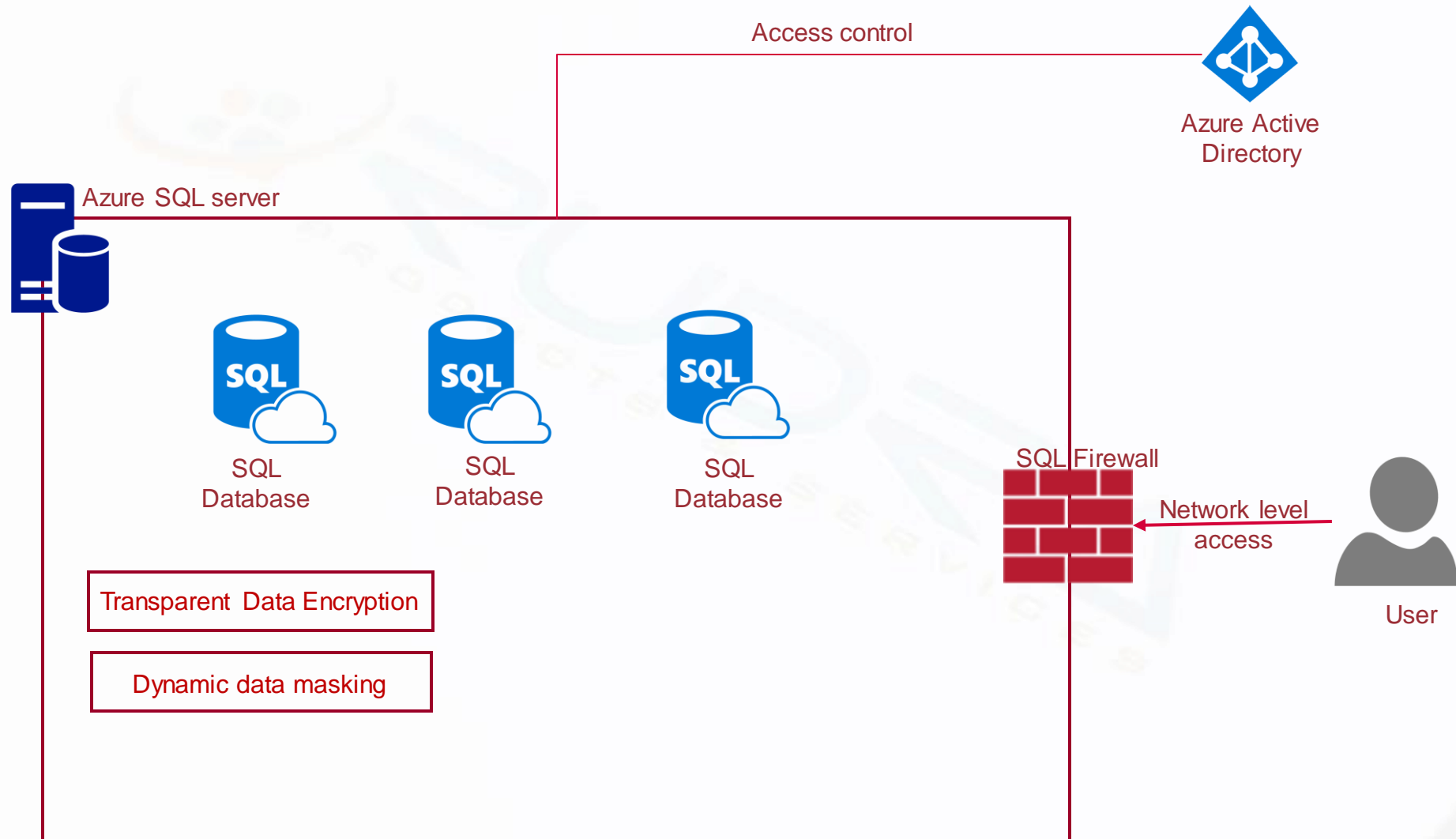
Step 26 – Walkthrough of Azure storage security features



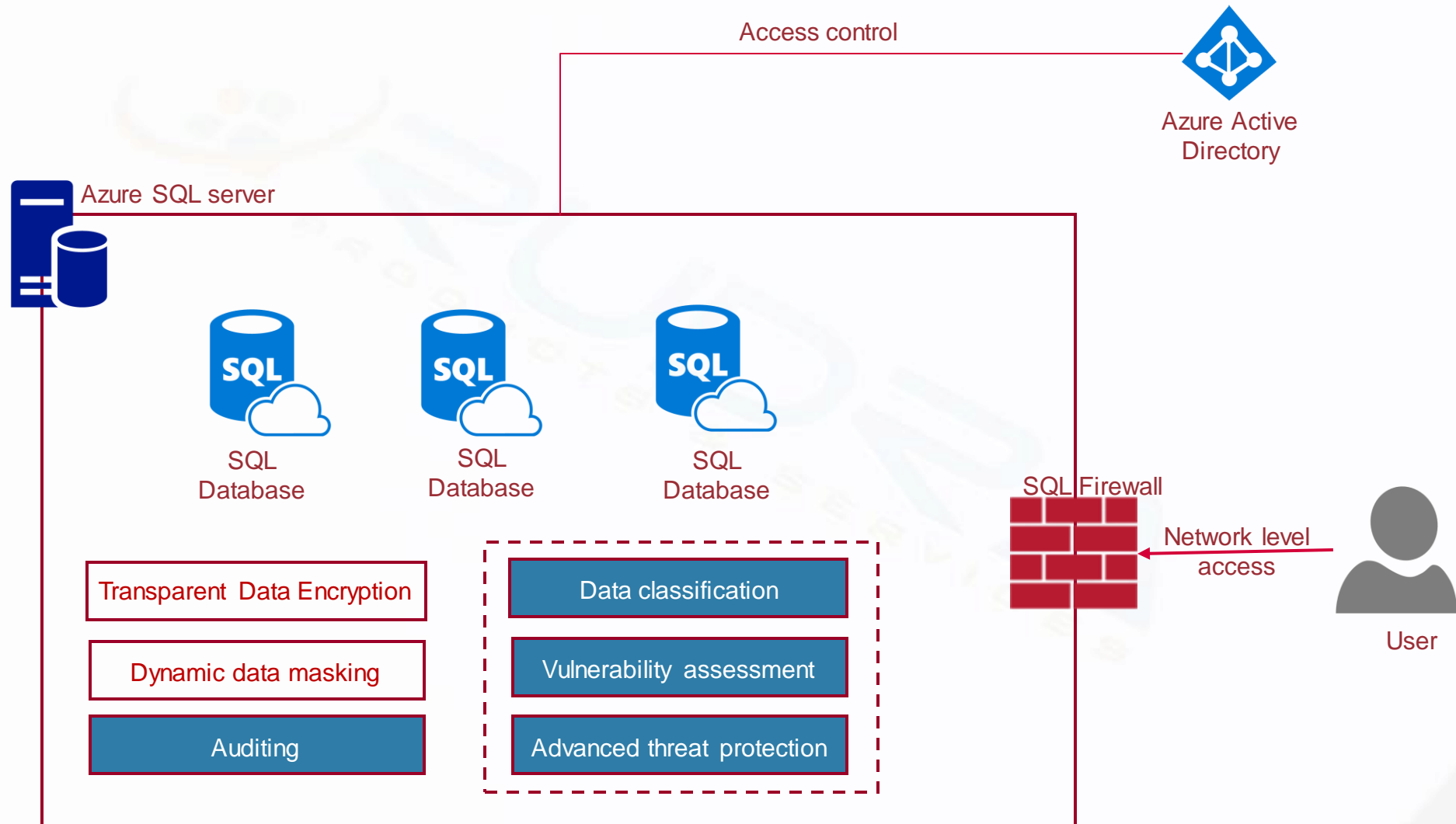
Step 27 - Create and use SAS Keys based on Storage access policies



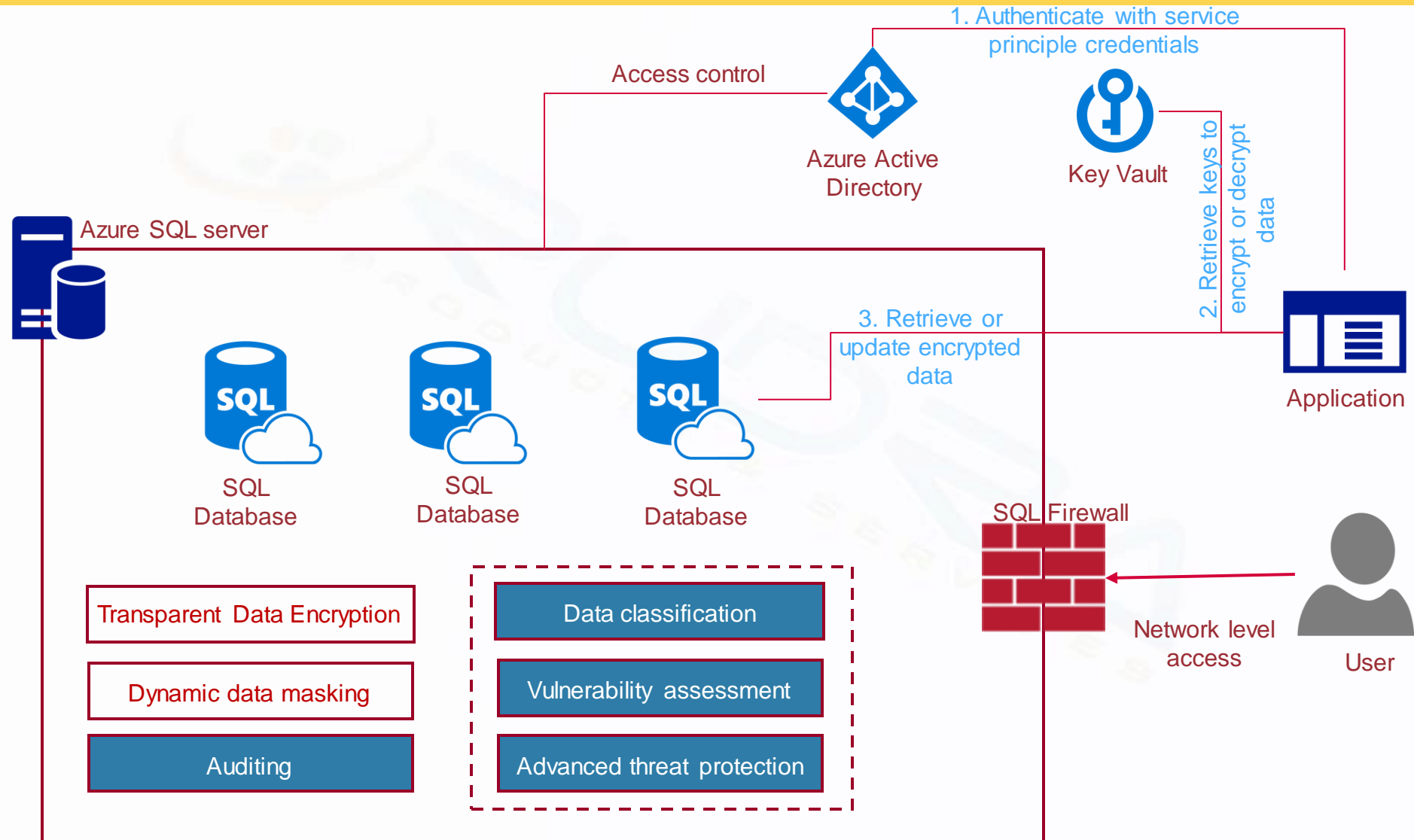
Step 28 – Implement access control, Firewall rules, TDE and dynamic data masking



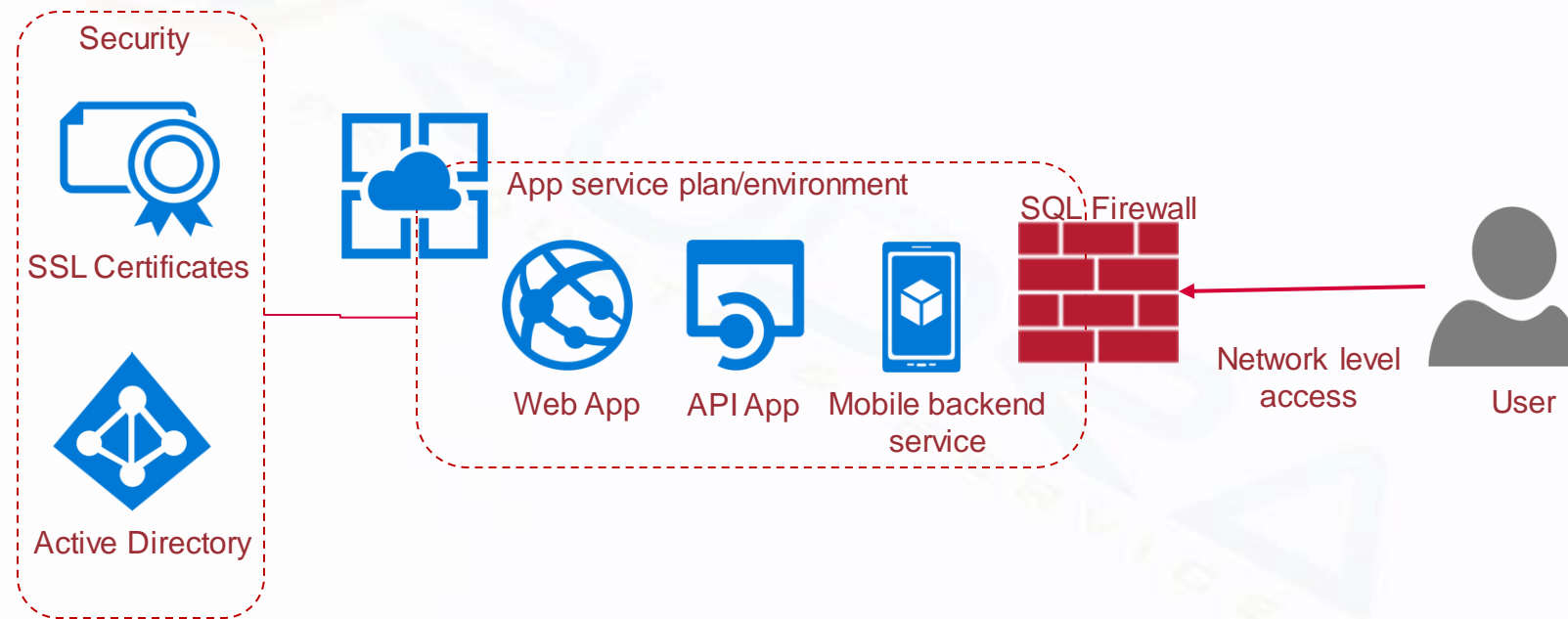
Step 29 – Implement Advanced Data Security and Auditing



Step 30 - Implement Always encrypted in Azure SQL database



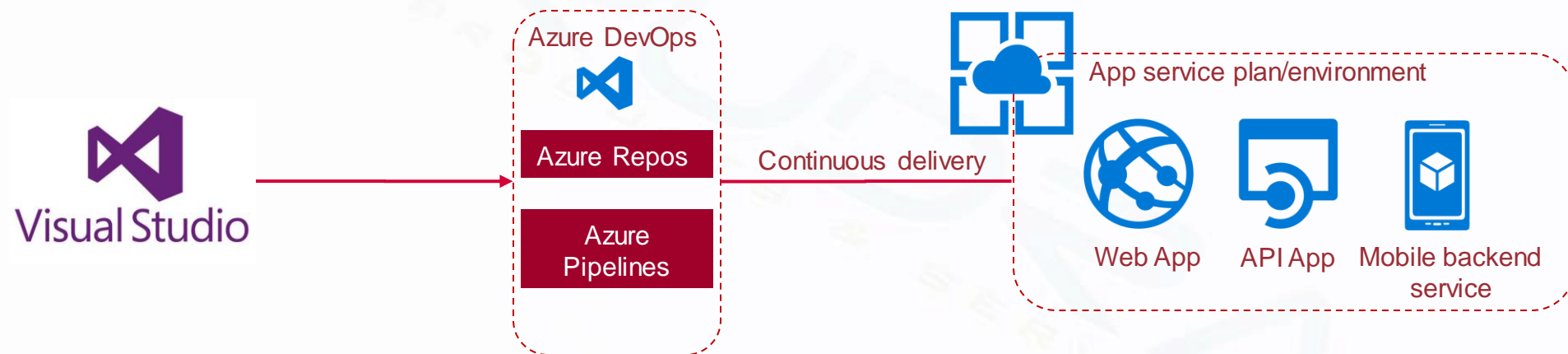
Step 31 - Authentication with AAD and configure SSL for Azure App service



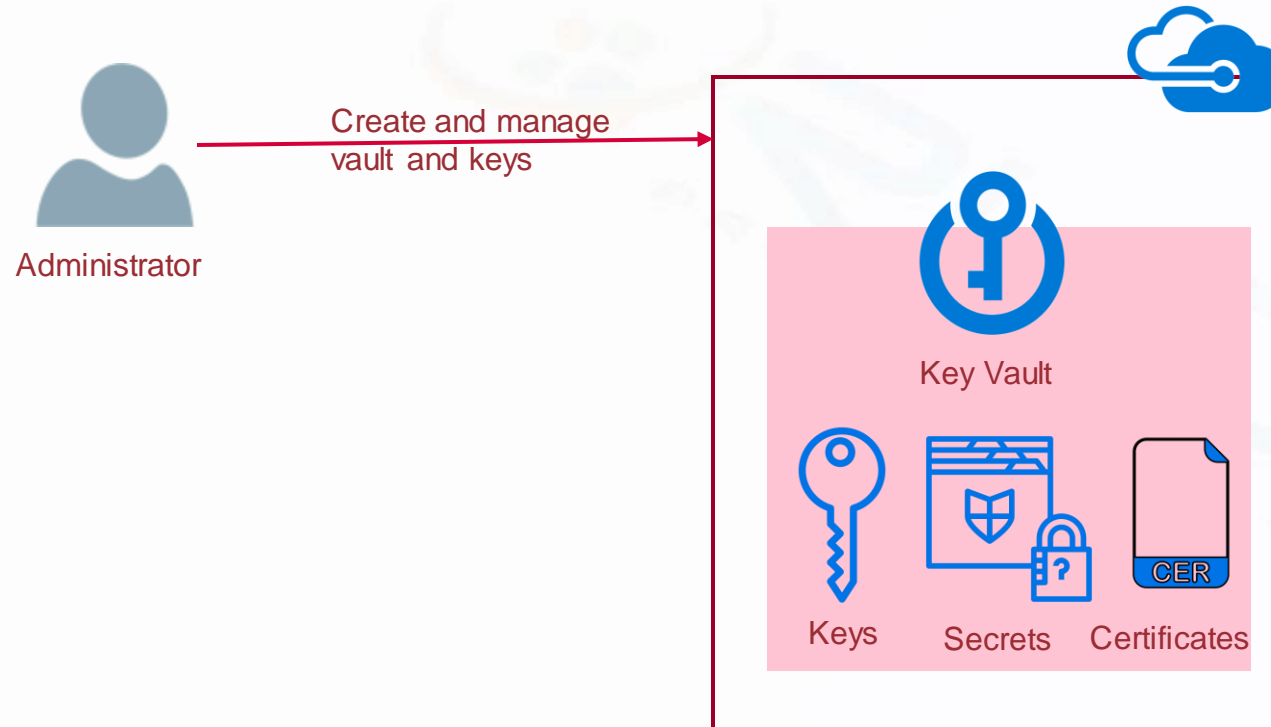
Step 32a – Securely deploying code using Azure DevOps



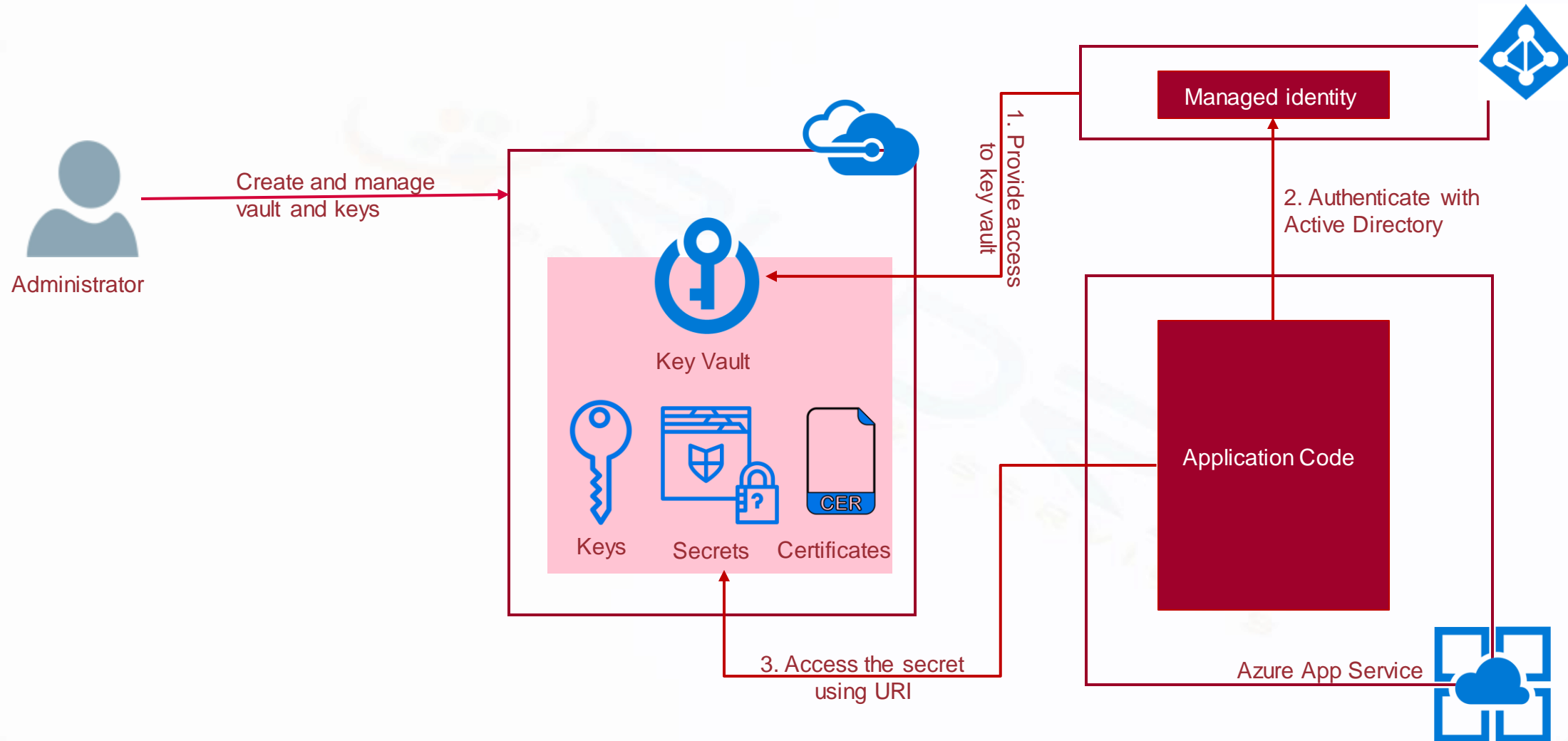
Step 32b – Securely deploying code using Azure DevOps



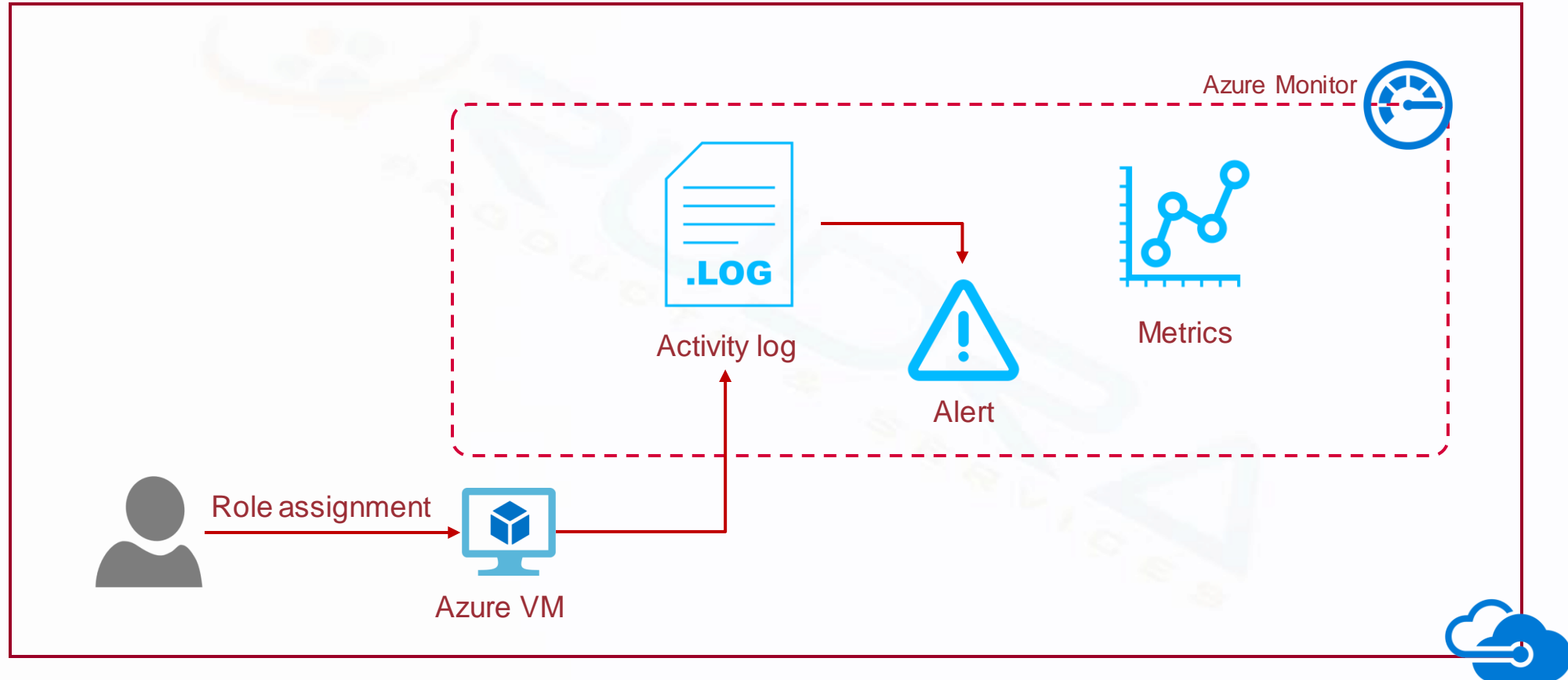
Step 33 – Create and manage Key Vault using Azure portal



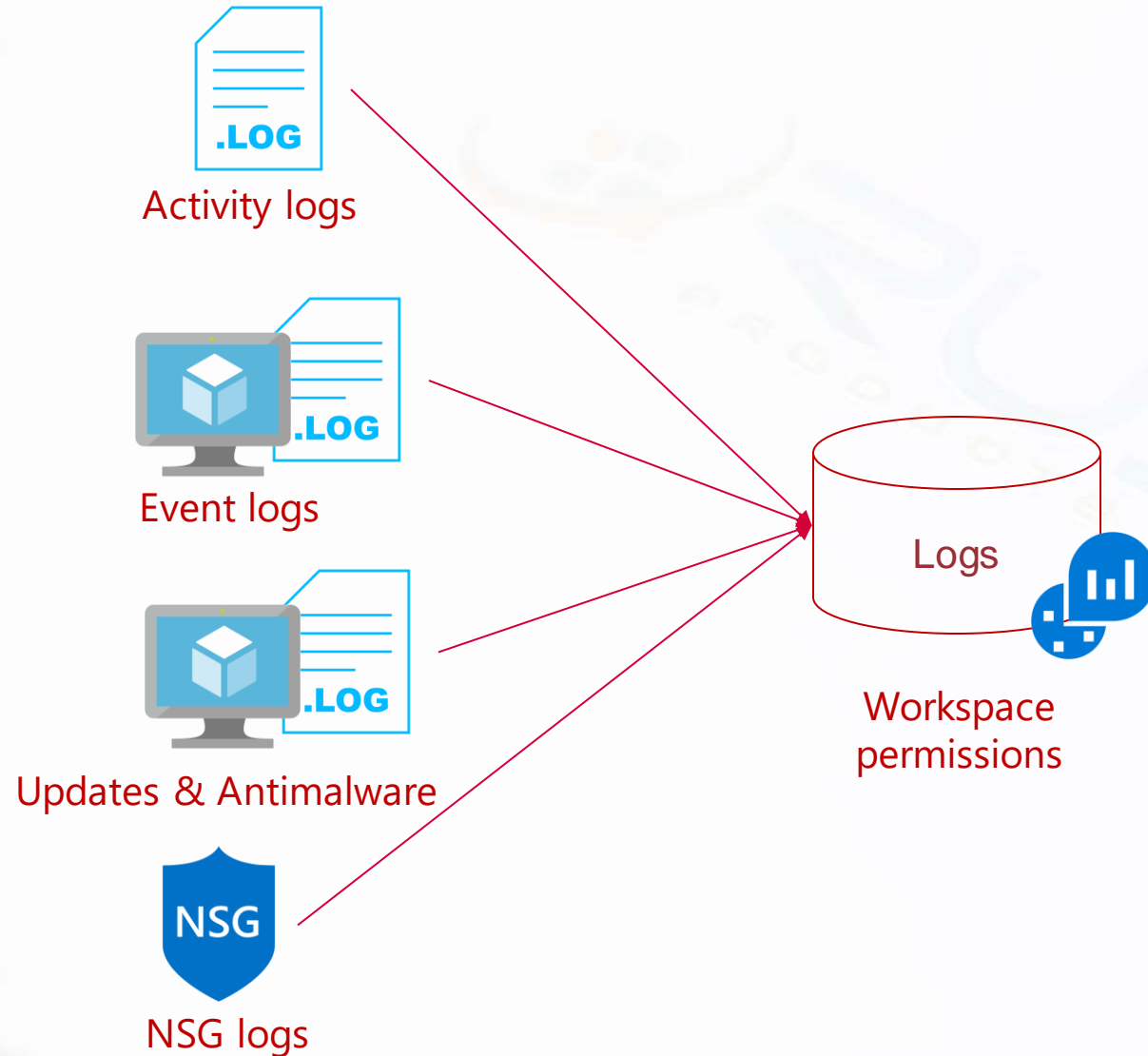
Step 34 – Access secret in Key Vault from Azure web app



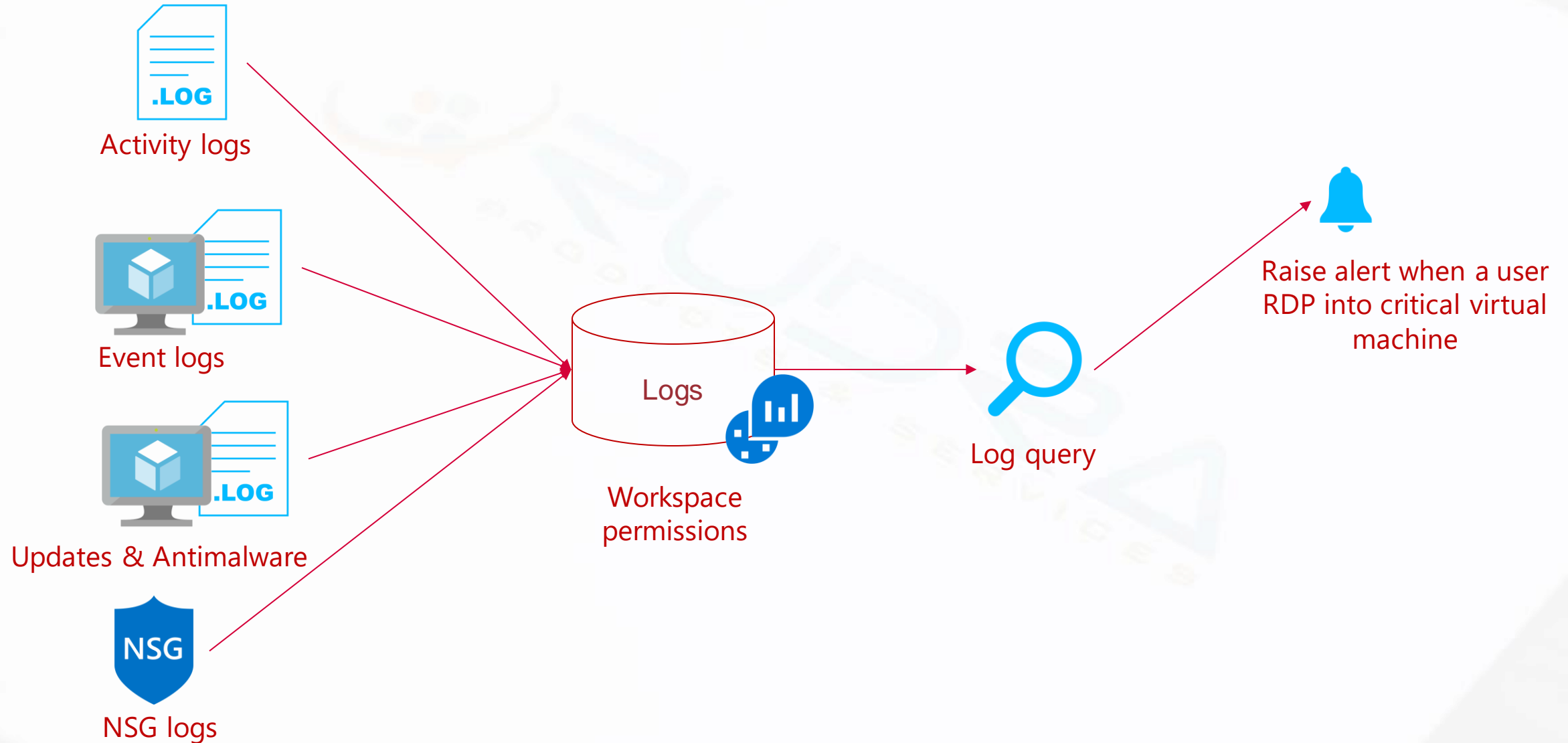
Step 35 – Monitoring – Metrics, Activity logs and Alerts



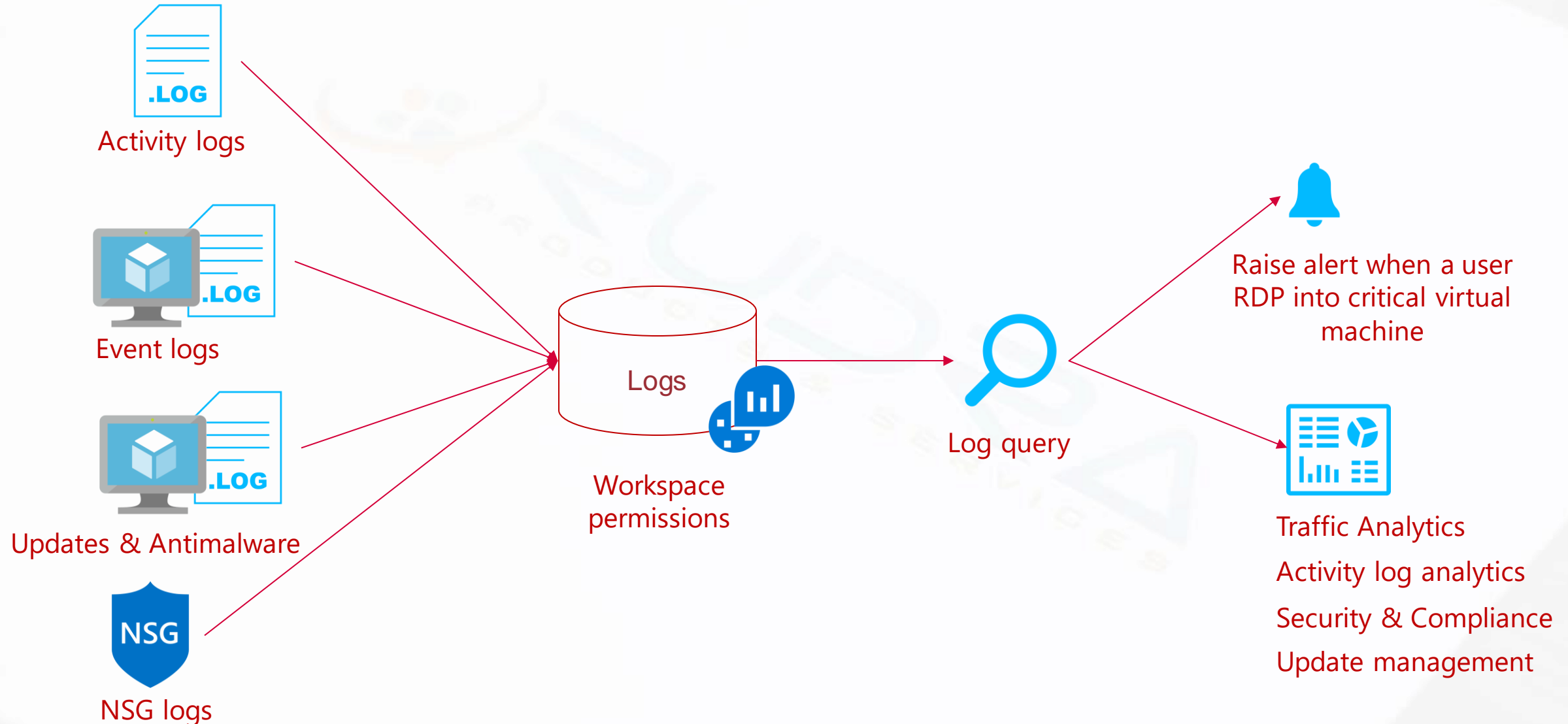
Step 36a – Monitoring – Azure monitor logs



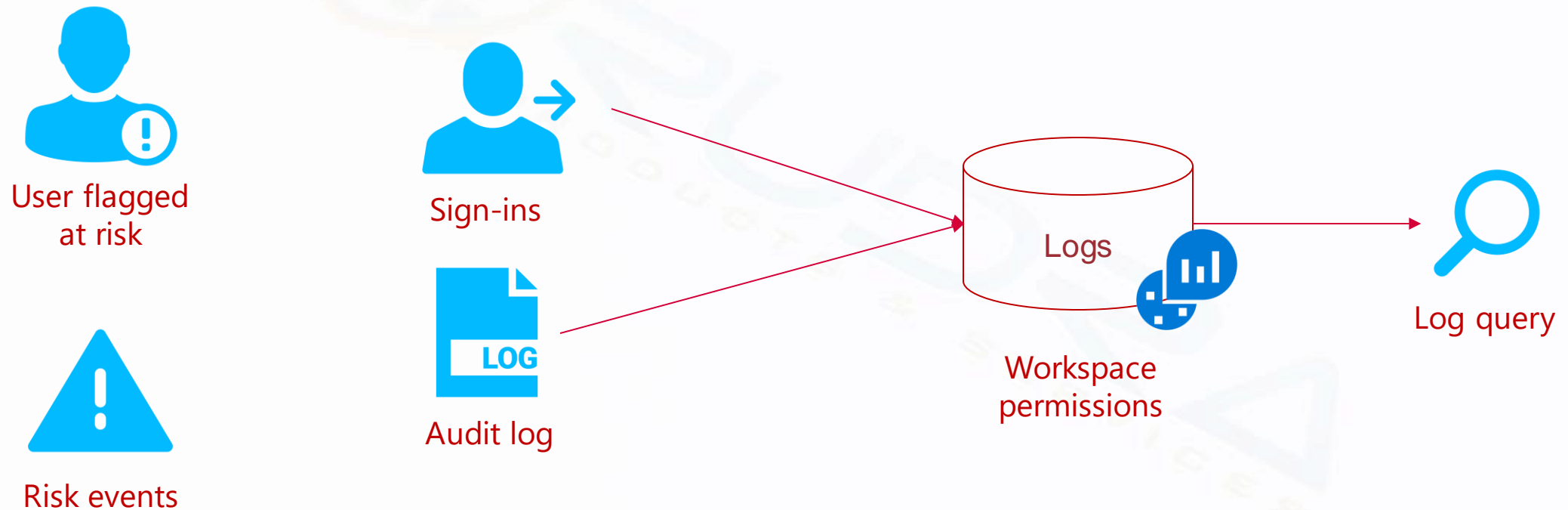
Step 36b – Monitoring – Azure monitor logs



Step 36c – Monitoring – Azure monitor logs



Step 37 – Monitoring – Azure Active Directory monitoring



Step 38 – Security center – Preventive monitoring and remediation

Scope

Bring the subscriptions and management groups under the coverage of Security center

Implement advanced cloud defences

*Advanced cloud defenses such as Just In Time access,
Adaptive application controls etc.*

Improve the overall secure score

Improve your overall secure score by implementing recommendations and monitor score continuously.

Policies & Configurations

Azure Security Center automatically assigns its built-in security policies on each subscription that is onboarded. You can configure them in Azure Policy.

Implement the recommendations

When Security Center identifies potential security vulnerabilities, it creates recommendations. Remediate them to harden security posture of your solution.



Step 39 – Security center – Implement Just In Time Access

Scope

Bring the subscriptions and management groups under the coverage of Security center

Implement advanced cloud defences

*Advanced cloud defenses such as **Just In Time access**, Adaptive application controls etc.*

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Step 40 – Security center – Security alerts

