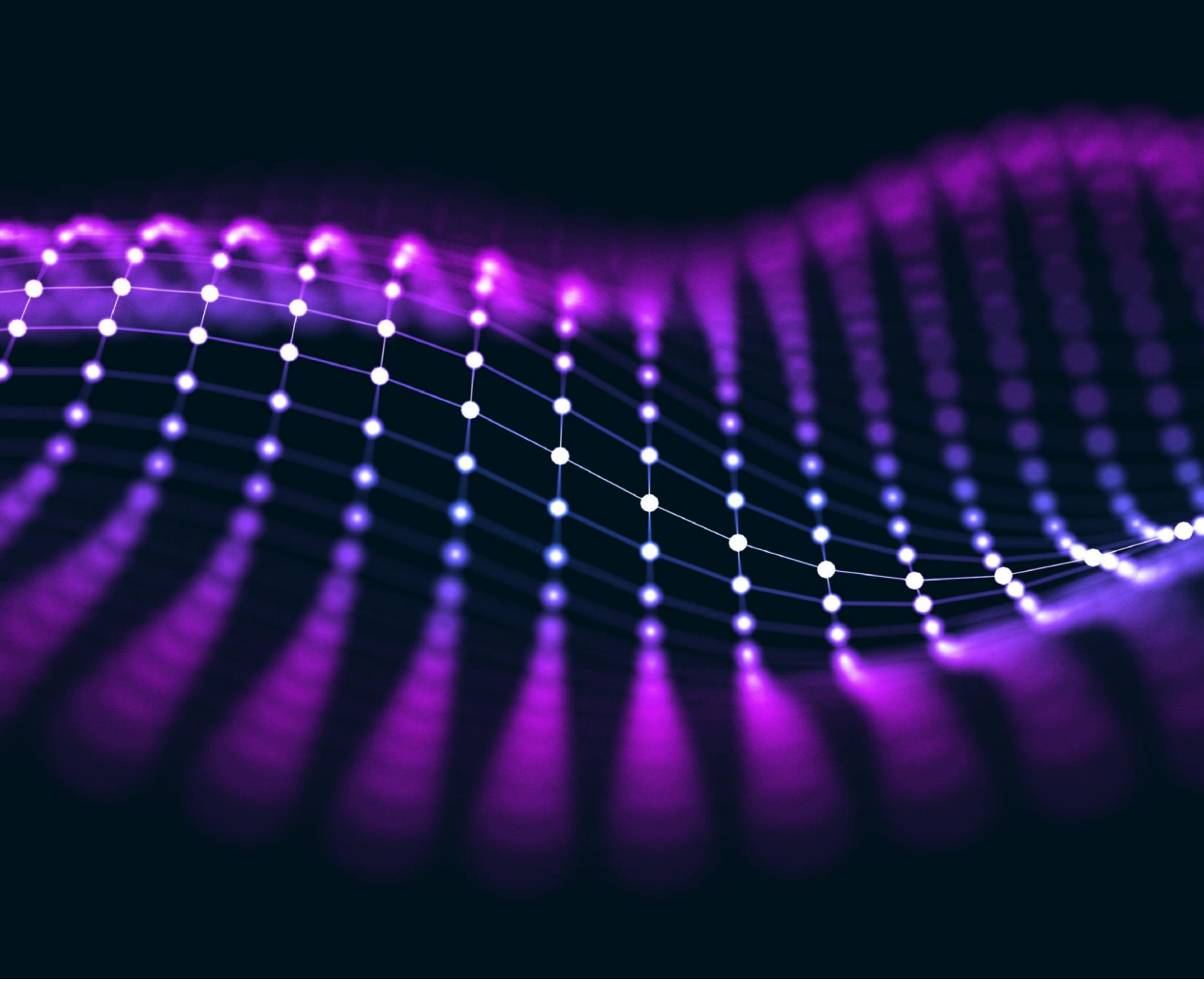

Azure Landing Zone Architecture

Contoso Group Ltd

Document Reference: JLZ-0098
Version: 1.0 Sanitized
Author: Azure Architect
Document Created: 09.06.22
Created For: Contoso Group Ltd

Jumar

Contents

1. INTRODUCTION ____ 3
1.1. Intended Audience ____ 3
2. REQUIREMENTS ____ 4
2.1. Business Requirements ____ 4
2.2. Technical Requirements ____ 4
3. SOLUTION OVERVIEW ____ 5
3.1. Current Azure Environment ____ 5
3.2. Target Azure Design ____ 6
4. RESOURCE MANAGEMENT AND ORGANISATION ____ 8
4.1. Management Groups and Subscriptions ____ 8
4.2. Naming Convention ____ 9
4.3. Azure Geography ____ 10
5. AZURE AD TENANT AND IDENTITY MANAGEMENT ____ 11
5.1. Azure Active Directory Tenant ____ 11
5.2. Role Based Access Control ____ 11
5.3. Conditional Access Policies ____ 13
5.4. Privileged Identity Management ____ 13
6. NETWORKING AND CONNECTIVITY ____ 15
6.1. On-premises IP range(s) ____ 15
6.2. Azure Network Ranges ____ 15
6.3. Virtual Networking ____ 16
6.4. Azure Private Endpoints ____ 16
6.5. DDOS Protection ____ 16
6.6. Virtual Network Gateways ____ 17
6.7. Azure Firewall ____ 17
6.8. ZScaler ZPA Access ____ 18
7. INFRASTRUCTURE DEPLOYMENT AND AUTOMATION ____ 18
7.1. Azure DevOps ____ 18
7.1.1. Managing Code & Repositories ____ 19
7.1.2. Connecting to Azure ____ 20
7.1.3. Deployment Pipelines ____ 21
7.2. Infrastructure as Code ____ 23
8. AVAILABILITY, DISASTER RECOVERY AND BACKUP ____ 25
8.1. Multiple Region Deployments ____ 25
8.2. Availability Zones ____ 25
8.3. Landing Zone & Central Networking ____ 25
8.3.1. Landing Zone Disaster Recovery ____ 26
8.3.2. Backup and Restore ____ 26

 ©Jumar 2022. All rights reserved. Commercial in Confidence.

8.4. Application DR, Backup and Restore ____ 26
8.4.1. App Backup and Restore ____ 26
8.4.2. App Disaster Recovery ____ 27

9. AZURE POLICY AND SECURITY BEST PRACTISE ____ 27

9.1. Azure Policy ____ 27
9.2. Resource Onboarding ____ 28
9.3. Microsoft Defender for Cloud ____ 29

10. COST MANAGEMENT AND TAGGING POLICIES ____ 30

10.1. Dev/Test Subscriptions ____ 30
10.2. Auto-scaling ____ 30
10.3. Cost Analysis Dashboard ____ 30
10.4. Budgets & Cost Alerts ____ 31
10.5. Tagging Policies ____ 32

 ©Jumar 2022. All rights reserved. Commercial in Confidence.