Enterprise Network Analysis Report

Comprehensive Network Segmentation Analysis  
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# Executive Summary

This report provides a comprehensive analysis of the enterprise network infrastructure covering 139 applications. The analysis includes network segmentation assessment, dependency mapping, DNS validation findings, and security recommendations.

**Key Findings:**• 139 applications analyzed across 6 security zones  
• 3328 dependencies identified across 0 unique IP addresses  
• 3328 cross-zone network connections require policy review

# Network Statistics

|  |  |
| --- | --- |
| **Metric** | **Value** |
| Total Applications | 139 |
| Total Dependencies | 3328 |
| Unique IP Addresses | 0 |
| Security Zones | 6 |
| Cross-Zone Connections | 3328 |

# Security Zones

Applications are distributed across 6 security zones:

|  |  |  |
| --- | --- | --- |
| **Security Zone** | **Applications** | **Percentage** |
| APP\_TIER | 103 | 74.1% |
| CACHE\_TIER | 6 | 4.3% |
| DATA\_TIER | 1 | 0.7% |
| MANAGEMENT\_TIER | 4 | 2.9% |
| MESSAGING\_TIER | 17 | 12.2% |
| WEB\_TIER | 8 | 5.8% |

# DNS Validation Summary

DNS validation data not available. *Run batch processing with DNS validation enabled to collect data.*

# Top 10 Applications by Dependencies

|  |  |  |  |
| --- | --- | --- | --- |
| **Rank** | **Application ID** | **Security Zone** | **Dependencies** |
| 1 | ACDA | APP\_TIER | 24 |
| 2 | AODSVY | APP\_TIER | 24 |
| 3 | APSE | APP\_TIER | 24 |
| 4 | ARA | APP\_TIER | 24 |
| 5 | AV | APP\_TIER | 24 |
| 6 | BCA | APP\_TIER | 24 |
| 7 | BKO | APP\_TIER | 24 |
| 8 | BLND | APP\_TIER | 24 |
| 9 | BLZD | APP\_TIER | 24 |
| 10 | BLZE | APP\_TIER | 24 |

# Recommendations

1. **Zone Distribution -** [HIGH]

* **Issue:** 103 applications (74.1%) are in APP\_TIER
* **Recommendation:** Consider further segmentation to reduce blast radius and improve security isolation

1. **Network Segmentation -** [HIGH]

* **Issue:** 3328 cross-zone connections detected
* **Recommendation:** Review cross-zone flows and implement strict firewall policies between security zones