

Azure Hosting Analysis Report

Offer Letter Compliance Checker Application

■ Recommended Solution

Azure Container Apps (Consumption Plan)
Monthly Cost: \$15-35 | Annual Cost: \$180-420

Cost Comparison

Service	Monthly	Annual	Best For
Container Apps ■	\$15-35	\$180-420	Testing, variable load
Virtual Machine (B2s)	\$49	\$588	Full control needed
Container Instances	\$98	\$1,176	Short-lived tasks
App Service (B2 x2)	\$149	\$1,788	Production always-on

Why Container Apps is Best for Testing

- Cost-Effective: Pay only for what you use, with generous free tier
- Docker-Native: Your existing docker-compose.yml easily adapts
- Zero Infrastructure: Focus on testing, not server maintenance
- Auto-Scaling: Handles traffic spikes automatically
- Multi-Container: Run React, Flask, and ONLYOFFICE together
- Built-in Monitoring: Azure Monitor included

Application Architecture Overview

Technology Stack: React.js Frontend, Flask Backend, ONLYOFFICE Document Server, GLiNER AI Model, SpaCy NLP, Docker Containers

Resource Requirements

Component	CPU	Memory	Storage
React Frontend	0.5 vCPU	512 MB	100 MB
Flask Backend + AI	1 vCPU	2 GB	500 MB
ONLYOFFICE Server	1 vCPU	2 GB	1 GB
File Storage	-	-	5-10 GB
Total (Minimum)	2.5 vCPU	4.5 GB	6-11 GB

Next Steps

1. Sign up for Azure Free Account (\$200 credit for 30 days)
2. Set billing alerts at \$20, \$50, \$100
3. Build and push Docker images to Azure Container Registry
4. Create Container Apps Environment
5. Deploy your three containers (React, Flask, ONLYOFFICE)
6. Configure environment variables and networking
7. Monitor costs and adjust scaling rules

For detailed analysis, please refer to the HTML report: [Azure_Hosting_Analysis.html](#)