



# Whitepaper

## On Azure Stack by Infratel

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## Introduction

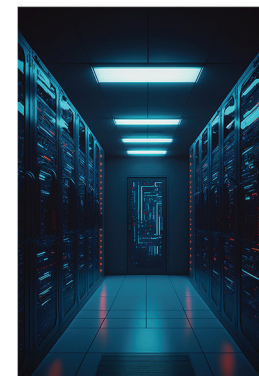
This white paper delves into the multifaceted benefits of the INFRATEL's Microsoft Azure Stack, a leading cloud computing platform, and highlights its transformative impact on businesses across various industries. From enhanced scalability and cost-efficiency to cutting-edge security measures and advanced analytics capabilities, the INFRATEL's Microsoft Azure stack stands out as a comprehensive solution for organisations seeking a robust and future-ready cloud infrastructure.

## Background

Infratel corporation, positioned as the nerve-centre of the country's digital transformation, is dedicated to develop bespoke, cutting edge Digital Solutions as we spearhead the Digital Transformation in Zambia. Considering this, in 2022, we launched the Microsoft Azure Stack Cloud Platform in a bid to revolutionise the digital operations of businesses in Zambia and provides services in domains such as compute, storage database, networking, developer tools and other functionalities which empower organisations to scale and grow their business. The INFRATEL Microsoft Azure Stack is a hybrid cloud solution offered by Microsoft that provides an extension of Azure services and capabilities on-premise or in a disconnected environment. It enables organisations to bring the agility and innovation of cloud computing to their on-premise infrastructure and provides the ability to run both cloud-native and traditional applications in a common operating environment.



### ABOUT INFRATEL AZURE CLOUD SERVICES



A hybrid cloud platform that allows INFRATEL to offer a subset of the Microsoft Public Cloud services from our Tier (III) Certified Data Centres. The services include a mix of Infrastructure as a Service (IaaS) and Platform as a Service (PaaS). Azure Public Cloud native services such as virtual machines (VMs), SQL Server Databases, and even Azure Marketplace items can now be offered and delivered to you by INFRATEL from our local data centres giving you accessibility to local premium support and compliance to legal and regulatory requirements.

CLOUD  
COMPUTING





## Benefits of taking up Azure from INFRATEL



## Scalability and Flexibility

### DYNAMIC SCALING

Azure allows businesses to scale their infrastructure on-demand, accommodating fluctuations in workloads and ensuring optimal performance during peak times.

### FLEXIBILITY IN DEPLOYMENT MODELS

From public and private clouds to hybrid solutions, Azure provides a range of deployment options to suit diverse organisational needs, fostering flexibility in architecture.



Compliance, security and scalability in one place.



# Benefits of taking up Azure from INFRATEL



## Cost-Efficiency

### PAY-AS-YOU-GO MODEL

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Azure's pay-as-you-go pricing model enables organizations to pay only for the resources they consume, optimising costs and eliminating the need for significant

### RESOURCE OPTIMISATION

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The platform's advanced analytics tools assist in identifying underutilised resources, enabling businesses to optimize their cloud spending.

## Security and Compliance:

### ROBUST SECURITY FEATURES

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Azure boasts industry-leading security measures, including encryption, identity and access management, threat detection, and data loss prevention, ensuring the protection of sensitive information.

### COMPLIANCE CERTIFICATIONS

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Azure adheres to a comprehensive range of compliance certifications, meeting the stringent regulatory requirements of various industries such as healthcare, finance, and government.



# Disaster Recovery

## Disaster Recovery

Since cybersecurity and risk management are crucial to IT and business, disaster recovery is a key component of cloud services. Azure offers built-in disaster recovery options, hot and cold standby models, rolling reboot capabilities and back-ups are made easy with real-time monitoring. This level of disaster recovery is difficult to achieve with on premise environments but comes as standard with Azure.