Noor Hikmah Ltd.

turning ideas into impact

Your Partner in Software Development, IT, Data Science, AI, Cybersecurity & Research

Company Overview

Noor Hikmah Ltd. is a private limited company specializing in Software Development, Data Science, Artificial Intelligence, Research, Cybersecurity, and IT Consultancy. We are dedicated to delivering innovative, secure, and scalable solutions tailored to the unique needs of businesses, government bodies, and organizations.

Our vision is to create sustainable impact by leveraging the latest information technology and scientific innovation, empowering enterprises to transform digitally while staying resilient in an AI-driven future.

We operate with a dual strength:

- **Digitvisit** → Noor Hikmah's flagship AI brand, focused on building next-generation AI software and agentic AI solutions.
- **Tirzok Private Ltd.** → Our strategic technology partner, powering enterprise-class cloud, DevOps, storage, telecom, and cybersecurity solutions.

Our Brand – Digitvisit

Digitvisit – "Balancing Bytes & Biosphere" Digitvisit is the AI innovation powerhouse under Noor Hikmah Ltd., dedicated to developing AI-driven applications, platforms, and agentic systems.

Focus Areas

- **Agentic AI Services**: Intelligent systems that operate autonomously, make dynamic decisions, and adapt to changing environments.
- **AI Tutors**: Applications like **BBA AI Tutor** and **Meeting Minutes AI**, supporting education and enterprise knowledge management.
- **Computer Vision**: Image & video analysis, object detection, OCR, facial recognition, and real-time insights for security, automation, and analytics.
- **Robotic Simulation**: Design, testing, and optimization of robotic systems in virtual environments, reducing costs and improving performance.

What Digitvisit Offers

- **AI-Powered Automation** → streamline operations.
- **Decision-Making Intelligence** → support strategic planning.
- **Autonomous AI Agents** → optimize workflows, reduce human intervention.

Through Digitvisit, Noor Hikmah empowers organizations to innovate faster, work smarter, and stay ahead in the AI-driven era.

Our Strategic Partner – Tirzok Private Ltd.

Tirzok is one of Bangladesh's leading IT solution providers, with expertise in Cloud Computing, DevOps, Storage, Security, and Telecom. As Noor Hikmah's strategic partner, Tirzok enhances our service capability with robust infrastructure and enterprise solutions.


Key Capabilities

- **Cloud Services**

  - Multi-Region Support (Single, Dual, Active-Active, Independent).
  - Deployment Models: Hyper-Converged, Converged, Distributed.
  - Public Cloud: Virtual Machines, VPN-as-a-Service, SDN, Block & Object Storage, Security Groups.

- **DevOps Services**

  - Infrastructure management, CI/CD, Kubernetes orchestration.
  - Migration, application management, compliance, disaster recovery.
  - Database advisory and scalable storage solutions.

- **Storage Solutions**

  - Ceph & Swift-based Object/Block storage.
  - High availability, multi-region redundancy, software-defined storage.

- **Monitoring & Security**

  - Log management with Grafana, Prometheus, Nagios, ELK stack.
  - **SIEM Security** with Wazuh, Suricata, VirusTotal – ensuring compliance, endpoint protection, and proactive threat intelligence.

- **Software Development & Consultancy**

  Custom software, mobile/web apps, UI/UX, prototyping, software load testing.

- **BICC Telecom Solutions**

  - Advanced BICC-SIP, IVR, Call Alert systems for telecom operators.
  - Supporting 2+ billion calls annually, used by leading telcos in Bangladesh.
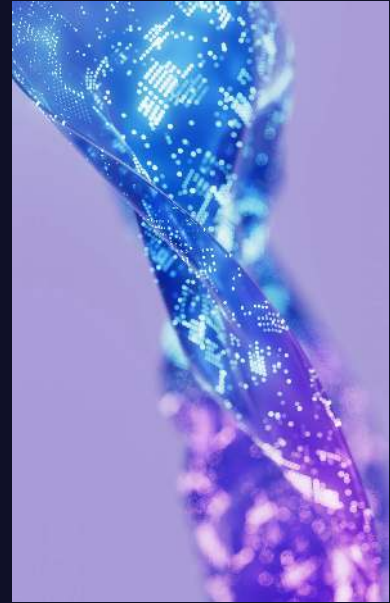
Services & Solutions

Noor Hikmah Ltd. (Core IT)

- **Software Development** – secure, scalable, and innovative applications.
- **Web Development** – dynamic and user-friendly websites.
- **Data Science** – predictive modeling, analytics, AI-driven insights.
- **Research** – machine learning, NLP, vision, scientific AI innovation.
- **Cybersecurity & IT Consultancy** – secure digital transformation.

Digitvisit (AI Brand)

- Agentic AI Systems
- AI Tutors (BBA Tutor, Meeting Minutes AI)
- Computer Vision Solutions
- Robotic Simulation Platforms

Tirzok (Strategic Partner)

- Cloud Computing (IaaS, SaaS, VPNaaS)
- DevOps & Kubernetes Orchestration
- Storage (Ceph, Swift, Software-Defined)
- SIEM Security & Threat Intelligence
- Telecom BICC Solutions

Clients & Landmark Projects

Tirzok, as our strategic partner, brings strong enterprise credibility:

- **Government & Public Sector Clients**: Bangladesh Computer Council, BIDA, myGov, a2i, BRAC University, BUET, and others.
- **Enterprises & Banks**: Alliance Bank, OrangeBD, Miaki, RouteMobile, Vivasoft, Vertical Innovations.

Landmark Cases

- **Surokkha Deployment**: 120M+ users, 5M+ registrations, high-performance MySQL NDB cluster.
- **MNPSP Platform**: National SMS hub, PostgreSQL multi-master data center, supporting millions of SMS daily.
- **Robi Jhotpot Service**: 4,000+ concurrent voice calls, hundreds of millions of calls annually.
- **RingID Support**: Management of 700+ servers, CI/CD pipelines, large-scale distributed infrastructure.

Compliance & Certifications

- ISO 9001:2015 Certified
- ISO 27001 Certified
- BASIS Member
- e-CAB Member
- GDPR, HIPAA, PCI DSS, CIS, NIST compliant (through Tirzok).

Impact & Achievements

- **2 Billion+ Calls supported annually** (through TBS).
- **120 Million+ People served** through the Surokkha platform.
- **3,000+ Servers handled**.
- **300+ Clients served** with dedicated support.
- **15+ Government & corporate projects** successfully completed.

Why Choose Noor Hikmah Ltd.?

- **End-to-End IT & AI Solutions**: From software to AI agents.
- **Proven Expertise**: Strong portfolio of AI products, cloud services, and enterprise projects.
- **Strategic Partnerships**: Backed by Tirzok's enterprise-grade solutions.
- **Innovation-Driven**: Digitvisit leading the AI frontier.
- **Compliance & Security**: Certified, secure, and reliable.
- **Client-Centric**: 24/7 support, cost-effective, and scalable solutions.

Contact Us

Noor Hikmah Ltd.

Address: House#72, Road#03, Block#B, Niketan, Gulshan, Dhaka-1212, Bangladesh.

Mobile: +8801303887508

Email: info@noorhikmah.com
Website: www.noorhikmah.com

🌐 Digitvisit (AI Brand) : www.digitvisit.com

🤝 Strategic Partner - Tirzok Private Ltd. : www.tirzok.com

our strategic partner

Tirzok Private Ltd.

Products & Services

Innovating with Confidence:

Code to Cloud Solutions for High-Volume Data, Ensuring Customer Happiness and Robust Security.

Cloud
Computing

DevOps
Service

Software
Development

BICC
Solution

Tirzok Openstack Private Cloud Solution (TOPCS)

Tirzok Private Cloud, built on the robust OpenStack framework with Ceph storage, offers a flexible and scalable infrastructure designed for modern businesses. This comprehensive solution facilitates the creation, management, and orchestration of private cloud environments while ensuring efficient deployment of applications and maintaining high levels of security and compliance. Our features include infrastructure monitoring with Prometheus and Grafana, centralized logging and auditing through RSyslog, and log processing via an ETL pipeline using the ELK Stack. Additionally, we enhance security with SIEM provided by Wazuh and ensure proactive management through alerts generated by Nagios, empowering businesses to innovate and grow without the limitations of traditional infrastructure.

Key Features

VM Management	Resource Monitor	Security Analysis	Volume Management	Object Storage
Snapshot Backup	Networks	Load Balancing	Dynamic Placement	Dashboard
Shared File System	Telemetry	Database	Container Management	Cloud Orchestration

Compliance

GDPR   CIS Center for Internet Security   HIPAA COMPLIANT   ISO 27001   CERTIFICATION   NIST   PCI DSS COMPLIANT

Benefits:

- Efficiently Balanced Workload
- Unbeatable Cost Savings
- Proven Track Record
- Best-in-Class Support : 24/7 Support
- High Availability
- Self-Healing and Auto-scaling
- Enhanced Security Measures
- Smooth Upgradation Process

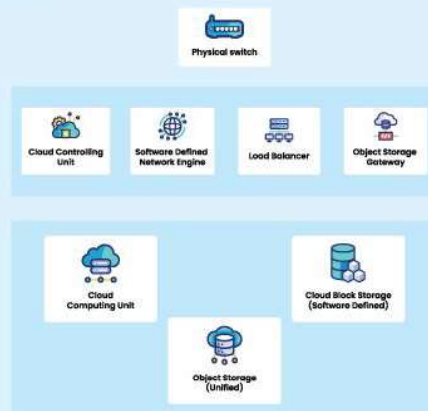# Multi-Region Support:

- Single Region
- Dual Region DC-DR
- Multi Region Active-Active
- Multi Region Independent

Deployment Model:

Hyper Converged
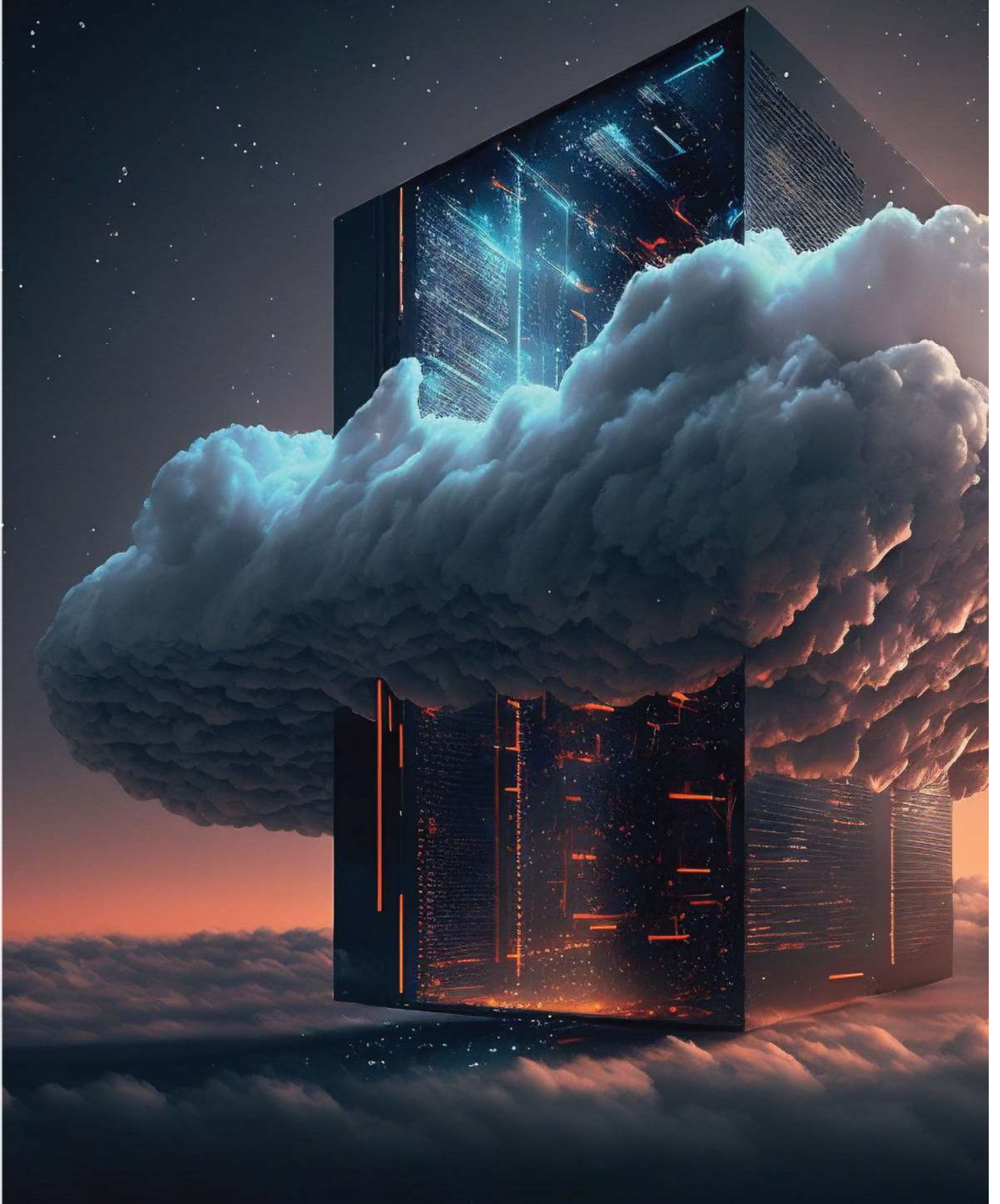(Compact Solution)

Converged
(Optimized Solution)

Distributed
(Corporate Solution)

Website:

www.tirzokprivatecloud.com

Public Cloud

Public Cloud

Unleash
your potential
with the power of
Tirzok Cloud

Tirzok Cloud has been launched with a clear vision to empower mission-critical business imperatives through cutting-edge cloud technology. As a leading Public Cloud Service Provider, Tirzok Cloud delivers robust, scalable solutions designed to meet the unique demands of modern enterprises. With a strong emphasis on performance, our platform leverages low-latency connectivity via BDIX, ensuring seamless access and rapid data transfer for users across Bangladesh. Hosted locally, Tirzok Cloud not only enhances data sovereignty but also optimizes response times, enabling businesses to operate with unmatched efficiency. Our comprehensive suite of services includes infrastructure as a service (IaaS), flexible resource

Services:

Virtual Machine (VM)

VPN-as-a-Service (VPNaaS)

Software Defined Networking (SDN)

Virtual Router (VR)

Cloud Block Storage (CBS)
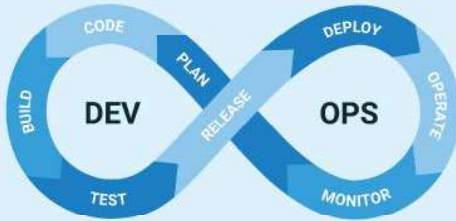
Security Group

Benefits:

Data Center in Bangladesh

BDIX Supported

Full SSD-based storage

Full Root Access

All Linux Variants

Best Technical Support

24/7 Customer Support

Easy Payment Method: Cash, bKash, Nagad

Website:

www.tirzokcloud.com

DevOps Services

Tirzok Private Limited is one of Bangladesh's leading DevOps Service Providers, delivering a comprehensive suite of solutions tailored to meet the diverse needs of businesses. Our services encompass infrastructure management, system migration, application management, security management, compliance management, disaster recovery, and business continuity. With years of industry experience and a proven track record, Tirzok Private Limited is a trusted partner for organizations seeking reliable DevOps services. We provide the expertise, scalable solutions, and robust security measures necessary to drive your success, all while ensuring cost-effectiveness and dedicated support.

Services:

Infrastructure Management

Expert in secure, scalable private cloud solutions, tailoring data excellence and infrastructure.

System Deployment & Management

Free your team with Tirzok's DevOps service. Tailored practices, automation, and seamless delivery.
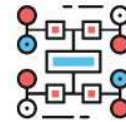
Container Orchestration

Tirzok optimizes Kubernetes to enhance agile app delivery with seamless deployment, efficient cluster management, and superior performance, enabling you to focus on growth.
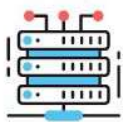
Database Advisory

Tirzok simplifies data complexities, making it accessible and transformational for your business. Trust our experts.
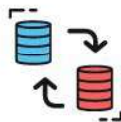
Storage Solution

Tirzok provides top-tier Ceph consultancy, covering File, Block, and Object Storage for scalability and resilience.

Migration

Effortlessly transition your entire infrastructure for optimized performance, scalability, and enhanced security measures.

Website:

www.tirzokdevops.com

Your **Expert** in
Storage
Solutions

Tirzok provides premium consultancy services for Ceph and OpenStack Swift, leveraging Exabyte scalability alongside a robust data replication system. Our proficiency in Software Defined Storage (SDS) on commodity hardware guarantees cost-effective solutions. With a self-healing, self-managed strategy, we offer File Storage, Block Storage, and Object Storage designed to drive your business towards success.

SWIFT

ceph

Object

Block

High Availability

Fault Tolerant

HTTP REST API based Storage Access

Customizea Replication

Multi Region Data redunancy

Software defined Storage

Strongly Consistent

Hardware Independent

Software defined Storage

Fault Tolerant

Shared Workload

Lighting R/W Speed
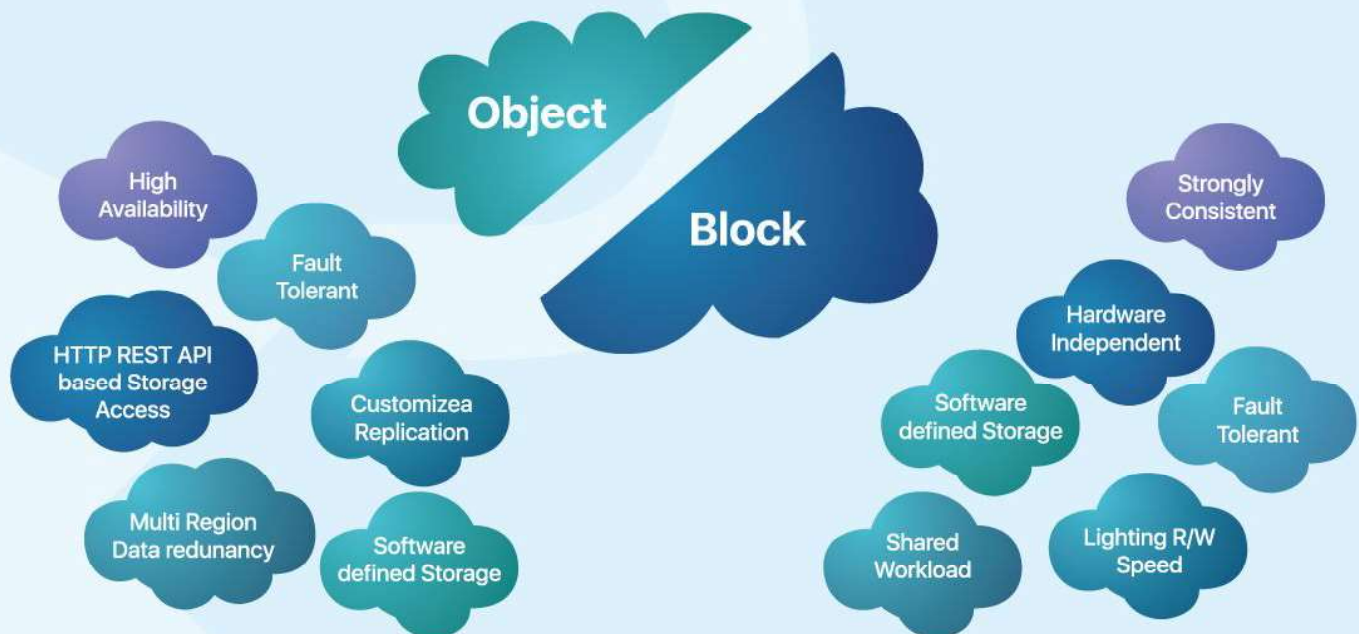
Website:

www.tirzokdevops.com

Log Management & Monitoring

Grafana

ELK

Nagios

Prometheus

Log management and monitoring have become critical components of infrastructure and security intelligence for organizations of all sizes. Effective implementation of these tools can prevent incidents such as data breaches, system downtime, performance inconsistencies, excessive costs, and compliance violations, thereby enhancing operational resilience and safeguarding organizational assets.

Holistic Monitoring: The Power of Full-Stack Observability

Features:

Centralized Log Collection

Real-Time Monitoring

Search and Query Capabilities

Automated Alerts and Notifications

Dashboards and Visualization

Log Retention and Storage Management

User Management and RBAC

API Access and Extensibility

Historical Data Analysis

Incident Response Capabilities

Services:

IT Monitoring

Unlocking Insights: Real-Time and Trends Monitoring in IT Operations

Alert System

Proactive Protection: The Role of Monitoring Systems in Risk Management.

Log Search & Management

Transforming Data into Action: Easy Log Search and Graph Visualization

Security Information and Event Management (SIEM)

Unified **XDR** and **SIEM** protection for **endpoints** and **cloud workloads**.

Tirzok delivers an advanced Security Information and Event Management (SIEM) service that integrates a suite of open-source tools, including Wazuh, Suricata, VirusTotal, and MISP. Wazuh enhances log analysis and compliance reporting, while Suricata provides powerful network threat detection. VirusTotal aids in malware analysis, enabling rapid identification of suspicious files, and MISP facilitates threat intelligence sharing for improved collaboration. By harnessing these open-source technologies, Tirzok empowers organizations to proactively monitor their security posture, swiftly respond to incidents, and enhance overall threat management, all while optimizing costs and resources.

wazuh.   **SURICATA**   ∑ VirusTotal

SIEM at a glance

DATABASES   PRINTERS

APPLICATIONS   IoT

FIREWALLS   ENDPOINTS

NORMALIZATION

STORAGE

ANALYTICS

CYBERSECURITY

COMPLIANCE

IT OPERATIONS

BUSINESS ANALYTICS

Capabilities:

Endpoint Security
- Configuration Assessment
- Malware Detection
- File Integrity Monitoring

Security Operations
- Incident Response
- Regulatory Compliance
- IT Hygiene

Threat Intelligence
- Threat Hunting
- Log Data Analysis
- Vulnerability Detection

Cloud Security
- Container Security
- Posture Management
- Workload Protection

Features:

- **Alerting and notification**
- **Reporting insights from SIEM events**

Software Development & Consultancy
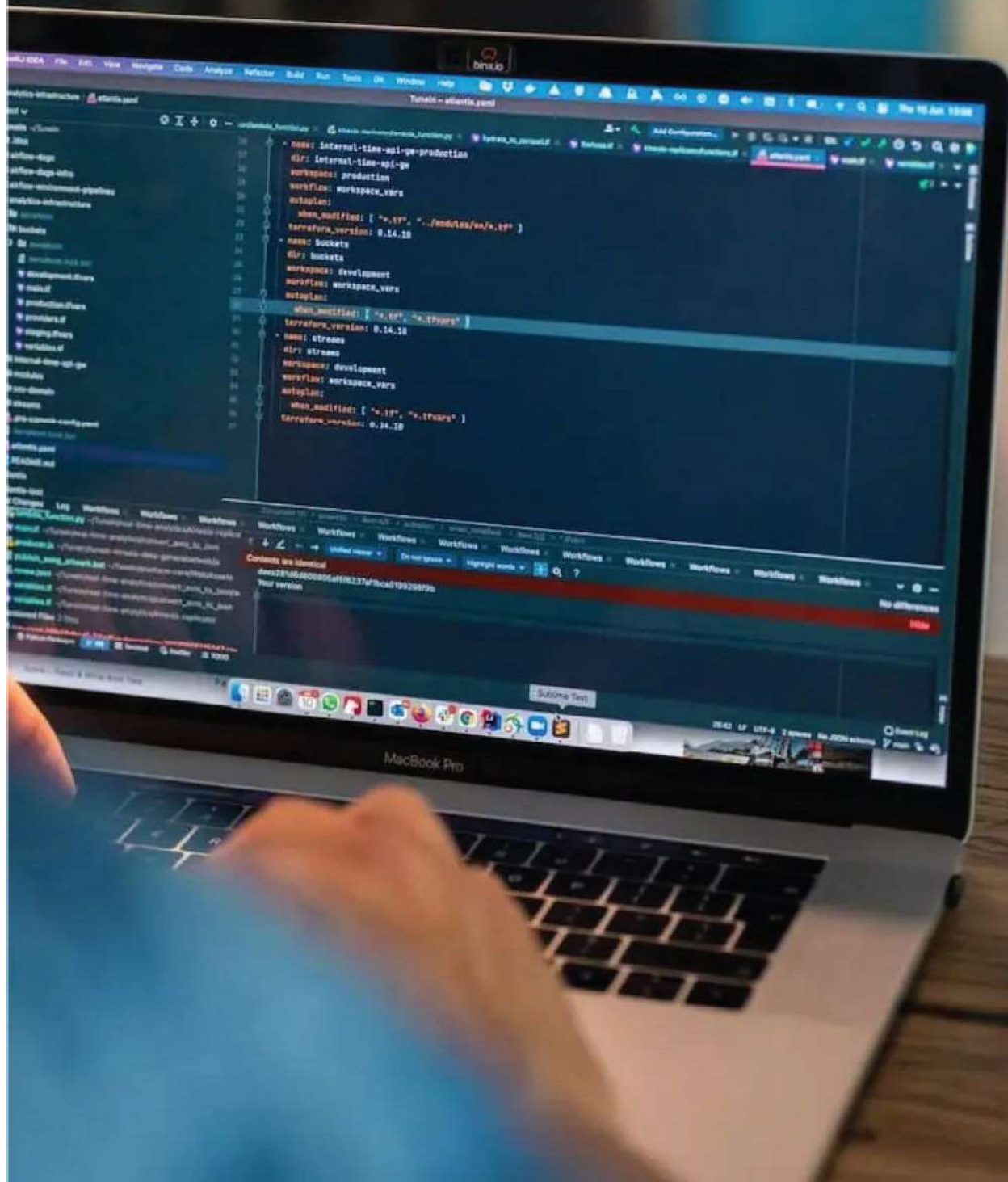
Software Development & Consultancy

Java
Python SpringBoot
Django
ReactJS
Flutter
AngularJS
NodeJS C/C++

We develop customized software solutions, harness advanced analytics for data-driven insights, and specialize in large-scale software design and development. Our expertise in cutting-edge cloud technologies empowers your business to transform and unlock new possibilities.

Services:

Custom Software Development	Web Application Development	Mobile Application Development	Software Prototyping
UI/UX - Quality Assurance	Software Load Testing	Software Consultancy	Software Deployment

Methodology:

DEPLOY
TEST
REVIEW
DEVELOP
SEQURE
PLAN
DESIGN
LAUNCH
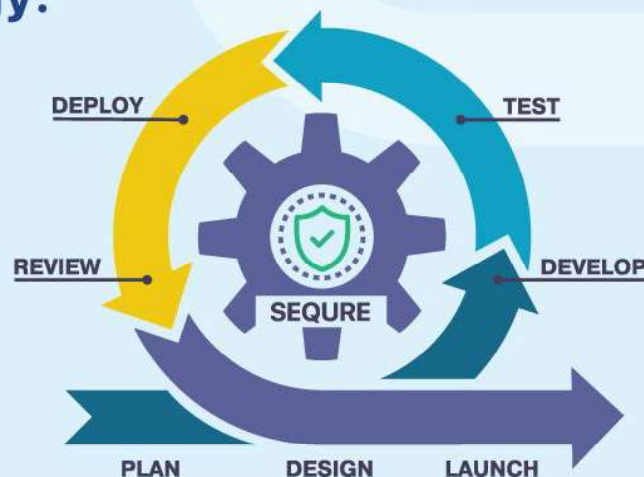
Website:

www.tirzok.com

BICC
Solution

User A

BSC

User B

MNO
Core Network

BICC

TBS Solution

SIP

Mobile Radio

Caller Ring Back Tone

CP1

Call Conference

Live Commentry

CP2

Live Streaming

Voice Mail

CP3

Failed Call Routing

Enterprise Voice Broadcast

CP4
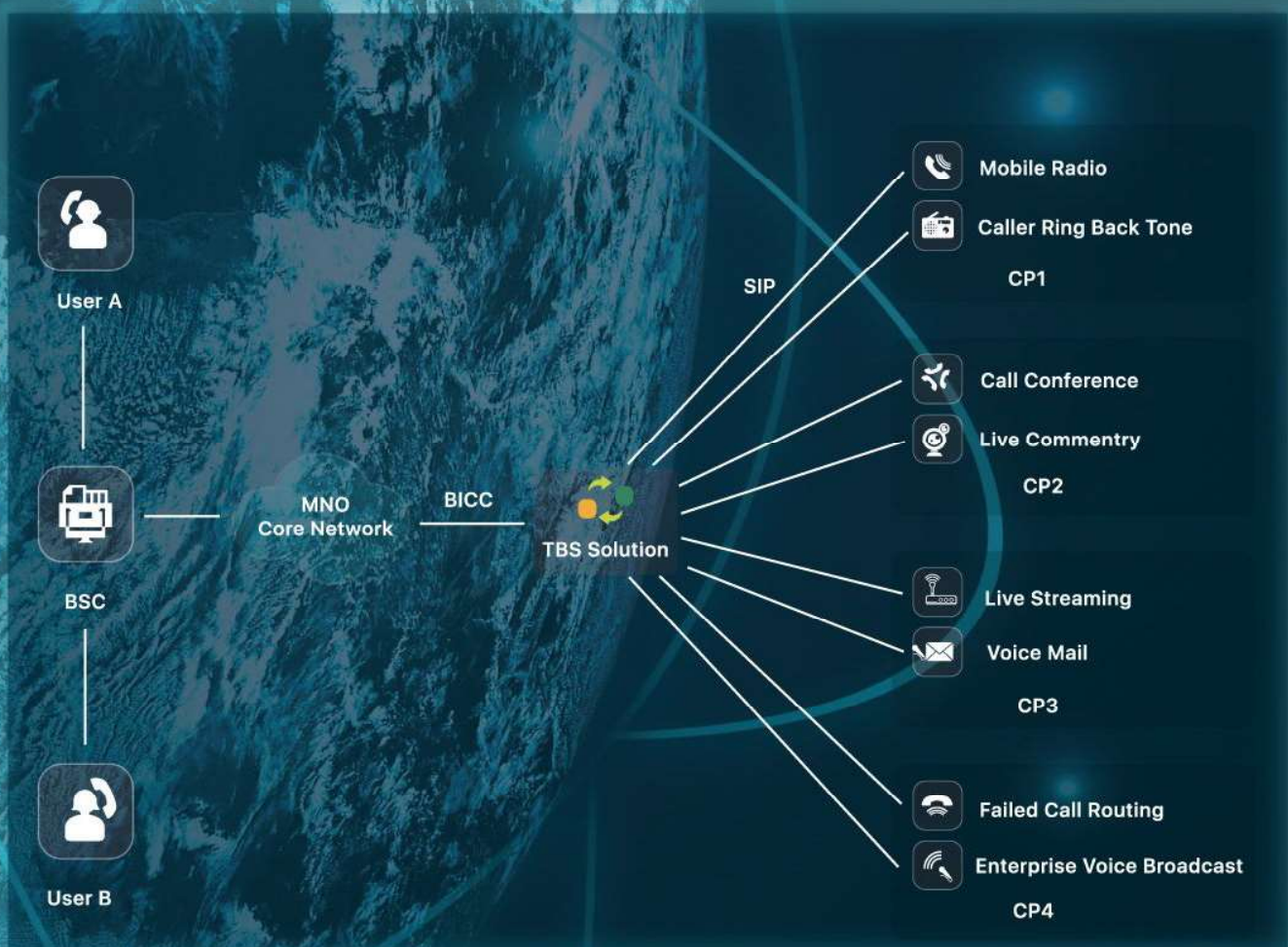
Tirzok BICC Solution

IVR
Beep
Call Alert
SCTP
UDP
M3UA SIP
BICC
HTTP RTP
IuUP

Tirzok BICC Solution offers proven capabilities with BICC-SIP, BICC-IVR, BICC-Beep, and BICC-Call Alert solutions. Our comprehensive protocol stack includes SCTP, UDP, M3UA, BICC, SIP, HTTP, RTP, and IuUP, ensuring robust performance and compatibility. We provide a customizable IVR platform tailored to the specific needs of VAS providers. Designed with scalability and modularity in mind, our distributed interface features a loosely coupled architecture, allowing for extensive configuration to meet user requirements effectively.

Industries:

Mobile Network Operator (MNO)

Value Added Service (VAS) provider

Content Provider (CP)

Enterprise Customer

Scope:

- **Control Plane Scope (Signaling):**
  - ✓ Inter-operate with Operator Network via BICC
  - ✓ Inter-operate with CP/SP via SIP
  - ✓ Inter-operate with IW-MGW via H.248/Megaco

- **User Plane Scope (RTP-Media):**
  - ✓ Inter-operate with Operator Network via IuUP (Nb FP)
  - ✓ Inter-operate with CP/SP via RTP

IWU

CS
Network
(Operator)

Mn

CP
Network

T1 — T2

MGW
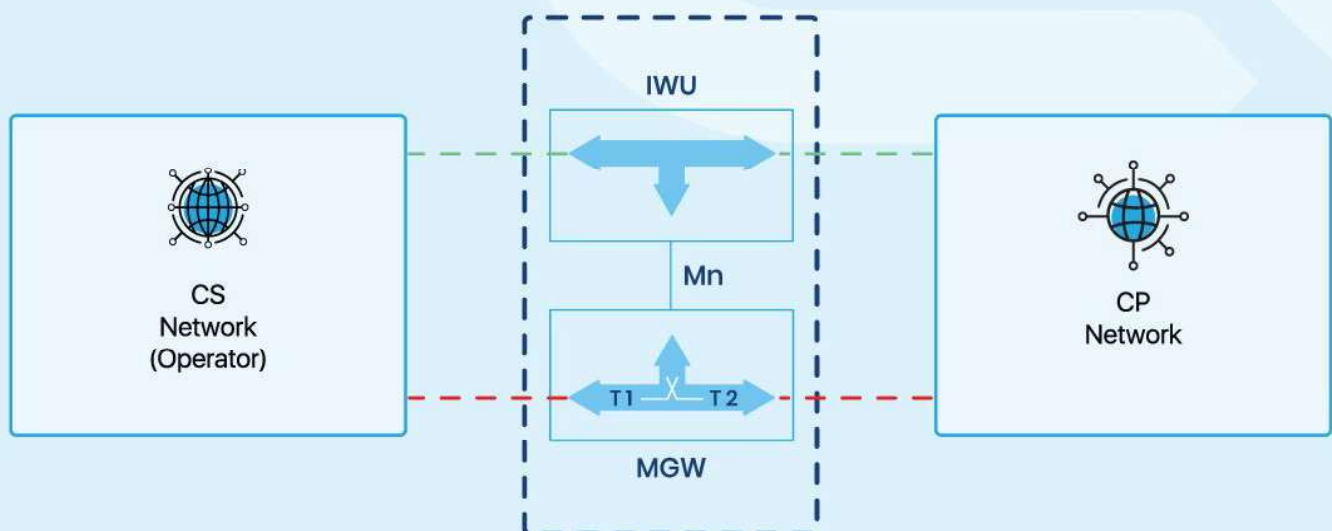
Website:

www.tirzok.com

Clients

Our Valuable Clients

Landmark Cases

1. Surokkha Deployment:

A Milestone in Bangladesh's Digital Landscape : The Surokkha deployment represents one of the largest systems ever implemented in Bangladesh, successfully managing approximately **5 million** registrations on its opening day and accumulating around **120 million** users to date. It features robust infrastructure capable of handling the highest volume of API calls in the country's history, reaching around **250,000 per hour.** A high-performance **MySQL NDB Cluster**, consisting of 24 nodes, was deployed to meet real-time load requirements. Additionally, Tirzok provides 24/7 monitoring, deployment, and troubleshooting support to ensure seamless operation and reliability.

2. MNPSP Platform:

Revolutionizing SMS Services in Bangladesh: The MNPSP Platform serves as the central SMS hub for aggregators, PSTNs, and IPTSPs, seamlessly connecting with Mobile Network Operators (MNOs). Capable of processing hundreds of millions of SMS messages daily, it features a robust disaster recovery infrastructure with **active-active data center** configurations and a **multi-master PostgreSQL** database for high availability and performance. The platform facilitates Mobile Network Portability checks and content validation for promotional SMS. Built on a microservice architecture, it supports high concurrency and is backed by 24/7 monitoring and troubleshooting assistance, ensuring seamless operations.

3. Jhotpot Emergency Balance Service

Tirzok Partners with Optasia for Robi's Jhotpot Emergency Balance Service. This advanced BICC-based VAS platform offers robust signal and media conversion capabilities, enabling it to handle over **4,000 concurrent** voice calls with high throughput. It efficiently manages **hundreds of millions of calls daily** and integrates seamlessly with IVR systems while adhering to telco protocols. With features such as BICC-SIP for outbound and inbound dialing, BICC-IVR, and BICC-Beep, the service enhances user experience and delivers valuable business insights through its sophisticated graph platform.

4. RingID Social Media

Tirzok Supports the Platform with Essential Maintenance Services. This collaboration encompasses the management of **over 700 servers** running various Linux distributions, along with numerous **open-source** components and distributed systems. Tirzok provides comprehensive infrastructure management and OpenStack-based private cloud solutions, as well as the deployment and maintenance of clusters such as Cassandra, ScyllaDB, OpenStack Swift, MySQL NDB Cluster, MariaDB Galera, Apache Hadoop, and Apache Solr. A robust monitoring platform supports historical metrics analysis, forecasting, and visualization, while a CI/CD pipeline established through Jenkins streamlines development processes

Open Source Advisory

SCALABILITY • AFFORDABILITY • SECURITY & SUPPORT

OEM PARTNERSHIPS

Our Impact

3+

Long Term
Business Partnership

3000+

Servers
Handled

15+

Government and corporate
projects successfully
completed.

2 Billion+

Calls supported
annually
through TBS

1.3 Million+

Students supported on the day
results are published through
our Public Cloud services

300+

Clients served with
dedicated support

120M+

People Served
Through Surokkha

সুরক্ষা

কোভিড-১৯ ভ্যাকসিন অ্যাপ্লিকেশন

সুরক্ষা

Members :

BASIS

e-CAB

Certification :

CERTIFIED
ISO
9001:2015
COMPANY

International Organization for Standardization
ISO
27001

TIRZOK'S

PROJECT

OVERVIEW

Projects List
(Software Development & DevOps)

01

Project Name

Core System
(Portals & Billing Engines)
Migration to NDC Cloud

Client Name

Titas (TGTDCL),
Bangladesh Computer Council
(BCC)

Project Status

Delivered

DevOps Activities

- Deployment Design wtih Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Deployment Integration with Banks, MFS, TGTDPLC HQ
- Data Migration (without data loss or business impact)
- Ensure Data Backup (inside and outside of NDC Cloud)
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform

Development Activities

- Reverse Engineering
- Codebase Tweaking
- Change adaption on new business requirements

02

Project Name

Surokkha (COVID-19
Vaccination Management System)
Deployment & Maintenance

Client Name

Directorate General of Health
Services (DGHS), Bangladesh
Computer Council (BCC)

Project Status

Running on Support

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Deployment of all the applications
- Ensure Data Backup (inside and outside of NDC Cloud)
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform
- Ensure L2 and L3 Support
- Ensure availability of services
- Ensure Backups of Configurations, Binaries, Data etc.
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Reporting

Development Activities

N/A

03

Project Name

BDRIS API Connectivity
Manager (ACM) Deployment
and Configuration

Client Name

Office of the Registrar General,
Birth & Death Registration,
OMEGA EXIM LTD.

Project Status

Delivered

DevOps Activities

- Deployment of NGINX API Connectivity Manager (ACM) for BDRIS
- Configuration and production go live of all the Birth and Death Registration API on ACM

Development Activities

N/A

Project Name

Core System
Maintenance and
Support (AMC)

Client Name

Titas (TGTDCL) &
Bangladesh Computer
Council (BCC)

Project Status

Running on Support

04

DevOps Activities

- Ensure L2 and L3 Support
- Ensure availability of services
- Ensure Backups of Configurations, Binaries, Data etc.
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Reporting

Development Activities

- Change Request (CR) Development

BANGLADESH COMPUTER COUNCIL
COMPUTER FOR EVERYTHING

Project Name

Titas Gas OSS Platform
Development & Integration with
BIDA OSS Platform

Client Name

Titas Gas (TGTDPLC), Bangladesh
Investment Development Authority
(BIDA), Bangladesh Computer
Council (BCC)

Project Status

Delivered

05

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Ensure Data Backup (inside and outside of NDC Cloud)
- Visualization, Service Alert and Log Analyzing Platform

Development Activities

- Portal development for industries & captive users
- Approval system to minimize paper works
- BIDA-OSS Integration for real time update for BIDA personnel and customers
- SonaliPay Integration for online payment

BIDA
BANGLADESH COMPUTER COUNCIL
COMPUTER FOR EVERYTHING

Project Name

VaxEPI (Central Vaccination System)
Deployment and Support for HPV
Vaccine Campaign

Client Name

UNICEF, Directorate General
of Health Services (DGHS)

Project Status

Running on Support

06

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Ensure Data Backup
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform
- Ensure L2 and L3 Support
- Ensure availability of services
- Ensure Backups of Configurations, Binaries, Data etc.
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Reporting

Development Activities

N/A

unicef

Project Name

Core System Migration to NDC Cloud

Client Name

Bureau of Manpower Employment and Training, Bangladesh Computer Council (BCC), B-Trac Technologies Ltd.

Project Status

Delivered

07

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Deployment Integration with BMET HQ, DEMO etc.
- Data Migration (without data loss or business impact)
- CICD Pipeline Establishment
- Ensure Data Backup (inside and outside of NDC Cloud)
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform

Development Activities

- Codebase Tweaking for Cloud Enabled Deployment

Project Name

Janatar Sarkar

Client Name

Digital Literacy Center (DLC), Bangladesh Computer Council (BCC), EzzeTech

Project Status

Delivered

08

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Data Migration (without data loss or business impact)
- Ensure Data Backup
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform

Development Activities

- A Intuitive Content Management System (CMS)
- Citizent Portal Development to give feedback on content
- Ministry/ Department Admin Portal Development to upload and manage their own content
- Analytics on user feedback

Project Name

MNPSP (Central SMS Gateway Platform for A2P)

Client Name

Infozillion Teletech BD Ltd., Bangladesh Telecommunication Regulatory Commission (BTRC)

Project Status

Running on Support

09

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Deployment Integration with MNO, Aggregators
- Initial Data Migration
- Ensure Data Backup
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform
- Ensure L2 and L3 Support
- Ensure availability of services
- Ensure Backups of Configurations, Binaries, Data etc.
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Reporting

Development Activities

- Central SMS hub for aggregators, PSTNs, and IPTSPs, seamlessly connecting with Mobile Network Operators (MNOs)
- Capable of processing hundreds of millions of SMS messages daily
- Facilitates Mobile Network Portability checks and content validation for promotional SMS
- Built on a microservice architecture.
- Comprehensice dashboard with analytics for ANSs, Aggregators, BTRC, LEA etc.

Project Name

MNPSP-Extension (Central SMS Gateway Platform for A2P)

Client Name

Infozillion Teletech BD Ltd., Bangladesh Telecommunication Regulatory Commission (BTRC)

Project Status

Running

10

DevOps Activities

- Active-Active Database Cluster with PostgreSQL for BDR
- DC1-DC2-DR Network Integration
- DR Extension
- DC2 Environment Preparation and Platform Deployment
- DC1 Extension
- DC1-DC2-DR Sync

Development Activities

- Make compatible for k8s deployment
- Optimize data schema, cache mechanism to reduce infra requirements
- More robust analytics and reports

Project Name

Storage Solution Deployment with Ceph

Client Name

BMIT Solutions Ltd., Press Information Department (PID)

Project Status

Delivered

11

DevOps Activities

- Deployment Design for Pettabyte scale storage with Ceph
- Prepare Physical Hardware to deploy Ceph Cluster
- Infrastructure Provisioning
- Ceph Cluster Deployment for 1 PB CephFS Filesystem

Development Activities

N/A

Project Name

Binimoy (Interoperable Digital Transaction Platform)

Client Name

Bangladesh Bank, Orion Informatics Ltd

Project Status

Delivered

12

DevOps Activities

- NGINX Plus Active-Active Cluster Deployment for 3 Servers
- API specwise configuration in NGINX Plus
- NGINX Plus Monitoring Stack deployment
- Private CA server and certificate flow preparation
- All banks to BB integration over Private SSL
- LoadTest of Binimoy DirectPay api

Development Activities

N/A

Project Name

Software and System Migration to NDC and Support Service

Client Name

Bangladesh Securities and Exchange Commission (BSEC)

Project Status

Running on Support

13

DevOps Activities

- Environment Preparation
- Deployment of 6 systems of BSEC
- Data Migration
- Ensure availability of services
- Troubleshooting on raised cases
- Visualization Platform enablement

Development Activities

- Codebase Tweaking for Deployment

Project Name	Client Name	Project Status
Product & Production Management System (PPMS)	Marks & Spencer	Delivered

14

DevOps Activities	Development Activities
- Deployment Design with Service Level High Availability - Infrastructure sizing analysis and resource provisioning - Deployment environment preparation - Build/Deployment of all the applications - Ensure Data Backup - Security Enforcement on traffics - Visualization, Service Alert and Log Analyzing Platform - Ensure L2 and L3 Support - Ensure availability of services - Ensure Backups of Configurations, Binaries, Data etc. - Performance Tuning and Optimization - Troubleshooting on raised cases - Reporting	- Developed RMG Audit Automation System - Automatic report generation & notification - Android & iOS app for auditors - Offline support & sync while internet available - Dashboard with business analytics

M & S
EST. 1884

Project Name	Client Name	Project Status
Tirzok Openstack Private Cloud Solution (TOPCS) PoC Deployment	BUET	Delivered

15

DevOps Activities	Development Activities
- Physical Hardware Preparation - Network Integration and Configuration - Deploy a TOPCS (IaaS Private Cloud) with SSO Dashboard, Image Service, Compute Service, Networking Service and Block Storage Service	N/A

BUET

Project Name	Client Name	Project Status
Ansible Tower Upgradation	WikiLabs (Malaysia), Alliance Bank (Malaysia)	Delivered

16

DevOps Activities	Development Activities
- Ansible Tower Upgrade from 3.5 to 3.7 and then 3.7 to 3.8 for 1 node in UAT, 3 Nodes in DR and 3 Nodes in Production - PostgreSQL Version Upgrade from 9.6 to 10.23 for 1 node in UAT, 2 nodes in DR and 2 nodes in Production	N/A

WIKI LABS   ALLIANCE BANK

Project Name	Client Name	Project Status
IBM DB2 Hardening ansible playbook	WikiLabs (Malaysia), Alliance Bank (Malaysia)	Delivered

17

DevOps Activities	Development Activities
- Scanning Playbook Writing for IBM DB2 for RedHat and AIX servers - Hardening Playbook Writing for IBM DB2 for RedHat and AIX servers	N/A

WIKI LABS   ALLIANCE BANK

Project Name

Tirzok Openstack Private Cloud Solution (TOPCS) Deployment at NDC for GRP and Migration Government Resource Planning (GRP) Platform to NDC Cloud

Client Name

CoKreates,
Bangladesh Computer Council (BCC)

Project Status

Delivered

18

DevOps Activities

- Deployment Design with Service Level High Availability
- Deployment of Private Cloud (TOPCS) at NDC
- Deployment environment preparation for Production, UAT, Staging, SQTC and Training
- Build/Deployment of all the applications
- Deployment Automation through Ansible Playbook writing
- Migration of GRP to NDC Cloud
- Ensure Data Backup
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform
- Ensure L2 and L3 Support
- Ensure availability of services
- Ensure Backups of Configurations, Binaries, Data etc.
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Reporting

Development Activities

N/A

Project Name

MyGov (Government Services in One Address) Deployment and Maintenance at BDCCL (TIER-4 Cloud)

Client Name

Orange Business Development Ltd.,
Aspire to Innovate (a2i)

Project Status

Delivered

19

DevOps Activities

- Deployment Audit of the Platform
- Infrastructure Provisioning on demand
- Environment Preparation for further deployment
- Performance Optimization and Tuning
- Establishment of CICD Pipeline
- Version Control System (VCS) enablement
- Integration with NID and other third-party APIs
- On-demand Data Migration
- Ensure Backup
- Troubleshooting on raised cases

Development Activities

N/A

Project Name

NGINX Plus Deployment

Client Name

DataSoft Ltd.

Project Status

Delivered

20

DevOps Activities

- NGINX Plus Deployment for 2 Servers
- API specwise configuration in NGINX Plus
- NGINX Plus Training
- NGINX Plus monitoring Stack deployment
- Eliminate Netflix Zuul-Eureka model through NGINX Plus API Gateway and token instrospection

Development Activities

N/A

DataSoft
We Make Your Computer Meaningful

Project Name	Client Name	Project Status
Tirzok Openstack Private Cloud Solution (TOPCS) PoC Deployment	**Bangladesh Bureau of Statistics**	Delivered

DevOps Activities

- Physical Hardware Preparation
- Network Integration and Configuration
- Deploy a TOPCS (IaaS Private Cloud) with SSO Dashboard, Image Service, Compute Service, Networking Service for Census
- Provision Infrastructure for HLS (Household Listing System)
- Prepare environment for HLS
- Deploy HLS in Private Cloud
- Prepare monitoring stack for cloud and HLS

Development Activities

N/A

Project Name	Client Name	Project Status
Tirzok Openstack Private Cloud Solution (TOPCS) PoC Deployment	**Brac University**	Delivered

DevOps Activities

- Physical Hardware Preparation
- Network Integration and Configuration
- Deploy a TOPCS (IaaS Private Cloud) with SSO Dashboard, Image Service, Compute Service, Networking Service and Block Storage Service

Development Activities

N/A

Project Name	Client Name	Project Status
Map Data solution for VPN Tracking Platform with OpenStreetMap and PostgreSQL	**IBSS**	Delivered

DevOps Activities

- Prepare Map database with PostGIS over PostgreSQL
- Upload arab Gulf and Bangladesh Map data
- Prepare API for Location Tracking over Map data based on Lon/Lat

Development Activities

N/A

Project Name	Client Name	Project Status
Virtualization and Mail Server Migration	**IBSS, CWA**	Delivered

DevOps Activities

- Prepare virtulization environment
- Migrate Dovecot mail server

Development Activities

N/A

Project Name	Client Name	Project Status
Supply Chain Electronic Document Management (eDoc)	Marks & Spencer	Delivered

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Ensure Data Backup
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform
- Ensure L2 and L3 Support
- Ensure availability of services
- Ensure Backups of Configurations, Binaries, Data etc.
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Reporting

Development Activities

- Document Management System for various stakeholders in supply chain
- Approval System back & forth
- Automatic PO detection for vendors from files
- Customizable approval hierarchy chain

25

M & S
EST. 1884

Project Name	Client Name	Project Status
USA Based Intelligent Loan Management System	Kramasoft	Delivered

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning at AWS
- Deployment environment preparation
- EKS Cluster Deployment
- Build/Deployment of all the applications
- Integration with Textract for OCR
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Integrated Development Platform (IDP) Deployment
- CICD Pipeline establishment

Development Activities

- AI-based Loan Management System
- Dashboard for borrower, MLO, MLP etc.
- Credco integration
- Chat (getstream.io) integration
- Document Management
- Keycloak-based authentication
- CMS generation
- MISMO file generation etc.

26

U
Kramasoft

Project Name	Client Name	Project Status
Expence Management System (EMS)	Payconz	Delivered

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Ensure Data Backup
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform
- Ensure L2 and L3 Support
- Ensure availability of services
- Ensure Backups of Configurations, Binaries, Data etc.
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Reporting

Development Activities

- Expense Management Solution
- Android & iOS platform

27

Payconz

Project Name	Client Name	Project Status
Payroll Management System (Bangladesh Tax Rules Based)	Payconz, Marks & Spencer	Delivered

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Ensure Data Backup
- Security Enforcement on traffics
- Visualization, Service Alert and Log Analyzing Platform
- Ensure L2 and L3 Support
- Ensure availability of services
- Ensure Backups of Configurations, Binaries, Data etc.
- Performance Tuning and Optimization
- Troubleshooting on raised cases
- Reporting

Development Activities

- Personal Tax Calculator
- Employee Tax Calculation
- Payroll Management
- Handle bonus, incentive
- Employee Loan
- AIT Management
- Employee Final Settlement
- Employee Investment Management

28

M & S
EST. 1884
Payconz

Project Name	Client Name	Project Status
Tirzok BICC Solution (TBS) Deployment	ChannelVAS / Optasia Robi	Running on Support

DevOps Activities

- Deployment Design
- Infrastructure Provisioning
- Environment Preparation
- Deployment of TBS
- ISVA Compliance and Mitigation

Development Activities

- Emergency Balance Service
- BICC-SIP (OBD & IBD), BICC-IVR, BICC-Beep
- 4000+ concurrent call, 80+ millions call daily

29

robi
OPTASIA

Project Name	Client Name	Project Status
Tirzok BICC Solution (TBS) Deployment	Live Technology Ltd., Robi	Running on Support

DevOps Activities

- Deployment Design
- Infrastructure Provisioning
- Environment Preparation
- Deployment of TBS
- ISVA Compliance and Mitigation

Development Activities

- BICC-SIP (transparent IVR)
- 3000+ concurrent call, 5+ millions call daily

30

robi
LIVE TECHNOLOGIES

Project Name	Client Name	Project Status
Tirzok BICC Solution (TBS) Deployment	Live Technology Ltd., Banglalink	Running on Support

DevOps Activities

- Deployment Design
- Infrastructure Provisioning
- Environment Preparation
- Deployment of TBS
- ISVA Compliance and Mitigation

Development Activities

- Integrated without SIGTRAN (m3ua) stack
- BICC-SIP (transparent IVR)
- 3000+ concurrent call, 2+ millions call daily

31

banglalink
LIVE TECHNOLOGIES

Project Name	Client Name	Project Status
Tirzok BICC Solution (TBS) Deployment	Miaki, Robi	Delivered

32

DevOps Activities	Development Activities
- Deployment Design - Infrastructure Provisioning - Environment Preparation - Deployment of TBS - ISVA Compliance and Mitigation	- BICC-OBD - In-built DND - Campaign Schedule - Dashboard - 1500+ concurrent call, 1+ millions call daily

 M MIAKI robi

Project Name	Client Name	Project Status
Tirzok BICC Solution (TBS) Deployment	Route Mobile Robi Axiata Limited	Running on Support

33

DevOps Activities	Development Activities
- Deployment Design - Infrastructure Provisioning - Environment Preparation - Deployment of TBS - ISVA Compliance and Mitigation	- Robi UCaaS (Unified Communications as a Service for Enterprise Customer - BICC-SIP (IBD & OBD) - 500+ concurrent call

 routemobile communication simplified robi

Project Name	Client Name	Project Status
CMS Development	Selim Azam International	Delivered

34

DevOps Activities	Development Activities
- Deployment Design - Infrastructure Provisioning - Environment Preparation - Deployment of Selim Azam CMS	- Django based CMS development - SEO, RBAC supported

 Selim Azam International Ltd
Our dream is very long...

Project Name	Client Name	Project Status
Infrastructure Resource Allocatiion for IEIMS Project from TIrzok Cloud	Bangladesh Bureau of Educational Information and Statistics (BANBEIS)	Running

35

DevOps Activities	Development Activities
- Cloud Compute and Network Infrastructure been provided by Tirzok Cloud - Consultancy on Troubleshooting	N/A

Project Name	Client Name	Project Status
Database Migration for Retailer Distributor Management System (RDMS)	Business Accelerate Bangladesh Limited (BABL), Robi Axiata Limited	Delivered

36

DevOps Activities	
- Data migration from MSSQL to PostgreSQL - Data Quality Processing - Data Validation - Data Readiness for Application	- 90+ Millions of Users Data been processed during the migration - Script based data processing and migration been arranged

 Business Accelerate robi

Project Name	Client Name	Project Status
Incentive Management System Development	Business Accelerate Bangladesh Limited (BABL)	Delivered

DevOps Activities

N/A

Development Activities

- Primary & secondary commission management system
- Efficient realtime calculation for primary commission within 3 seconds
- Periodic secondary commission calculation with constraint resource
- Microservice & message-queue based design
- k8s enabled development

37

Project Name	Client Name	Project Status
High-performant Log Management System	Cloudware Systems	Delivered

Development Activities

- Lightweight Log Parser designed for structured or semi-structured logs.
- Supports both horizontal and vertical scaling.
- Customizable ETL Solution
- Capable of parsing approximately 700GB of raw logs daily on a single C2R4 machine.

38

Project Name	Client Name	Project Status
USA Stock Screener (for Ethical Investment)	Sinbad Finance	Delivered

DevOps Activities

- Deployment Design
- Infrastructure Provisioning
- Environment Preparation
- Deployment of Sinbad Finance applications

Development Activities

- Portal for ethical investors
- CMS development
- ETL to scrap data from NYSE, Nasdaq etc.

39

Project Name	Client Name	Project Status
Managed Service for IPVision and ringID infrastructure	IPVision, ringID	Delivered

DevOps Activities

- Manage Infrastructure for IPVision and ringID for Bangladesh and Canada consist of 700+ servers
- Manage IPVL Cloud
- Manage Integrated Development Platform (IDP) of IPVL
- Manage Bigdata stack and Object Storage of ringID
- Terrabyte scale of migration through Apache Spark from Apache Cassandra to ScyllaDB
- Continous management of RDBMS of ringID

Development Activities

N/A

40

Project Name

NGINX Plus with App
Protect (WAF) Deployment

Client Name

Quantum Method

Project Status

Delivered

41

DevOps Activities

- NGINX Plus with Web Application Firewall (WAF)
Deployment
- API specwise configuration in NGINX Plus and WAF
Activation
- NGINX Plus monitoring Stack deployment

Development Activities

N/A

Project Name

NGINX Plus Hands-on
Training for Bangladesh-Nepal (Onsite)

Client Name

F5 NGINX Plus Training

Project Status

Running

42

Development Activities

- Training for F5 Partners and Customers
- Training on API Gateway, Web Server, Reverse Proxy/Forward Proxy, Load Balancing, Web Application Firewall
- Hands-on Training on Lab Preparation and Case Studies
Exploration

Project Name

Migration to VIL Infra to Tirzok Cloud
and Infrastructure Resource Support
from Tirzok Cloud

Client Name

Sinbad Finance

Project Status

Delivered

43

DevOps Activities

- Deployment Design with Service Level High Availability
- Infrastructure sizing analysis and resource provisioning
- Deployment environment preparation
- Build/Deployment of all the applications
- Integration test with IoT devices through MQTT server
- Visualization, Service Alert and Log Analyzing Platform
- Cloud Compute and Network Infrastructure been
provided from Tirzok Cloud
- Consultancy on Troubleshooting

Development Activities

N/A

Vertical Innovations

Project Name

College Admission System
(xiclassadmission.gov.bd) consultancy

Client Name

BUET

Project Status

Delivered

44

DevOps Activities

- Performance Tuning
- Consultancy on Load Balancing, Database Management and Troubleshooting

Development Activities

N/A

BUET

Project Name

Virtualization Platform
Deployment

Client Name

Dhaka University
(Theoretical Physics)

Project Status

Running

45

DevOps Activities

- Physical Hardware Preparation
- Network Integration and Configuration
- Virtualization Platform Deployment

Development Activities

N/A

Project Name

Technical Audit of
Daktar Bhai for Investor, BAT

Client Name

Daktar Bhai, Business Accelerate
Bangladesh Limited (BABL)

Project Status

Delivered

46

Development Activities

Audit & Report on:
- Technical Analysis
- Development Environment
- Architecture, Scalability, Flexibility
- System Deployment

- Security
- Performance
- Standards Maintained
- Cost Analysis
- Competitive Analysis

Project Name

Cloud based
infrastucture consultancy

Client Name

BANBEIS, BUET

Project Status

Delivered

47

DevOps Activities

- Consultancy on on-premise Private Cloud
Infrastructure to Dept. of CSE, BUET for IEIMS
Project of BANBEIS

Development Activities

N/A

Project Name

Bonus App
with Gamification

Client Name

Herr Westermann

Project Status

Delivered

48

DevOps Activities

N/A

Development Activities

- Backend for the app game
- API for User Management

Contact Us

Noor Hikmah Ltd.

Address: House#72, Road#03, Block#B, Niketan, Gulshan, Dhaka-1212, Bangladesh.

Mobile: +8801303887508

Email: info@noorhikmah.com
Website: www.noorhikmah.com

🌐 Digitvisit (AI Brand) : www.digitvisit.com

🤝 Strategic Partner Tirzok Private Ltd. : www.tirzok.com

Noor Hikmah Ltd.

Noor Hikmah Ltd. is a pioneering IT company, specializing in cutting-edge software development, AI solutions, and cybersecurity. With its innovative brand, Digitvisit, the company empowers businesses to thrive in an AI-driven world, offering tailored applications and intelligent systems. Partnered with Tirzok Private Ltd., Noor Hikmah delivers robust cloud and enterprise solutions, ensuring clients achieve sustainable digital transformation.