

Business Continuity for IT Infrastructure – MIT HUB Approach

Why Business Continuity is Non-Negotiable

Modern businesses are **completely dependent on IT systems**. Even a short disruption can lead to:

Implications of NOT Implementing Business Continuity

Operational Impact

- Complete halt of business operations
- Loss of productivity across teams
- Inability to access critical applications

Financial Loss

- Revenue loss due to downtime
- Penalties due to SLA breaches
- Emergency recovery costs

Data Risks

- Permanent data loss (hardware failure, ransomware)
- Corrupted databases
- Incomplete transactions






Compliance & Reputation Damage

- Loss of customer trust
- Legal liabilities (especially financial / healthcare sectors)
- Brand damage and long-term impact

MIT HUB Philosophy

“Prevention is always cheaper than recovery.”

MIT HUB specializes in **designing and implementing Business Continuity (BC) solutions** with:

-  **Open-source technologies (no vendor lock-in)**
-  Security-first architecture
-  Practical, implementable solutions (not theoretical designs)
-  Personal attention to every deployment
-  Proven track record with real customer environments

Typical Business Continuity Architecture

Core Components

- Primary server / infrastructure (KVM Linux-based)
- Local backup system (/Replication / NAS / ZFS snapshots)
- Offsite backup (remote server / cloud)
- Network redundancy (dual WAN / firewall failover)
- Power protection (UPS + graceful shutdown)

MIT HUB Implementation Methodology

Stage 1: Customer IT Assessment Form

We begin with a structured **data collection form** to understand current infrastructure.

Sample Sections:

- **Hardware Inventory**
 - Servers, desktops, networking devices
- **Applications & Services**
 - ERP, CRM, file servers, email systems
- **Backup Status**
 - Existing backup method, frequency, restore testing
- **Network Design**
 - Firewall, VLANs, internet redundancy
- **Power Infrastructure**
 - UPS, inverter, generator
- **Pain Points**
 - Downtime history, failures, risks

 This ensures **zero assumption-based design**

Stage 2: On-Site Technical Assessment

- Physical verification of infrastructure
- Identification of hidden risks:
 - Single points of failure
 - Improper cabling / cooling
 - Backup gaps
- Performance and reliability evaluation

Stage 3: Strategic Discussion (Consultation)

- One-to-one meeting (physical / online)
- Understand:
 - Business priorities
 - Acceptable downtime (RTO)
 - Data loss tolerance (RPO)
 - Budget constraints
 - Future expansion plans

 **Align technology with business reality**

Stage 4: Techno-Commercial Proposal

Deliver a **clear, practical proposal**:

Includes:

- Current risk analysis report
- Recommended architecture
- Open-source vs proprietary comparison
- Cost breakdown (transparent)
- Phased implementation options

 **Focus on:**

- **Cost optimization**
- **Scalability**
- **Zero vendor lock-in**

Stage 5: Implementation & Documentation Plan

Implementation

- Server & virtualization setup for optimum utilisation of hardware resources, flexibility, and hardware agnostic solution
- Backup configuration (3-2-1 model)
- Firewall & network hardening, safe remote access.
- Monitoring & alerting setup,

Documentation

- Network diagrams
- Backup & recovery procedures
- Access and operational SOPs

Handover

- Training for customer team
- Testing of recovery scenarios

Key Differentiators – MIT HUB

No Vendor Lock-In

- Fully open-source stack
- Customer owns architecture
- Easy migration & scalability

Personal Attention

- Direct involvement (not outsourced support)
- Tailored solutions (not template-based)

Experience & Proven Deployments






- Real-world implementations
- Multi-environment exposure (SMB to enterprise-like setups)
- References available on request

Cost-Effective & Practical

- Optimized CAPEX + OPEX
- Avoid unnecessary licensing
- Focus on ROI

Outcome for Customers

After implementation, customers achieve:

-  High availability IT infrastructure
-  Reliable backup & fast recovery
-  Reduced downtime risk
-  Predictable operations
-  Peace of mind



Closing Note

Business Continuity is not an expense — it is an **insurance for your business survival**.

MIT HUB ensures that your IT infrastructure is:

- **Resilient**
- **Secure**
- **Future-ready**
- **Independent of vendor constraints**