Maintain business continuity around the clock with Systemizer DR Automation

Don't let anything stand in the way of 'business as usual'

In today's digital world, downtime can be extremely costly—especially when due to an unplanned event like a cyberattack, power outage, or natural disaster. Yet many businesses are still operating with manual disaster recovery processes which can be slow, costly, and error-prone. Without automated backups and failover systems in place, there's a higher risk of data loss, and organisations at greater risk of turning customers away due to poor service. It's also easier for customer data, transaction histories and critical information to be compromised, leading to reputational damage and potential legal ramifications. A lack of automated protection means businesses may struggle to meet industry requirements for data privacy and continuity—exposing themselves to legal and compliance issues which can negatively impact customer relationships.

Discover the smart, automated way to stay up and running

Built on the Red Hat platform, Systemizer Technic's Business Continuity Automation solution can streamline and simplify every aspect of the disaster recovery and response process. Fully customised to your organisation, it enhances and streamlines existing processes — requiring minimal re-skilling or training.

- **Rapid recovery and reduced downtime** — if an incident occurs, automated failover processes quickly switch operations to a secondary data centre or cloud environment, ensuring minimal disruption to operations and services. Robust orchestration capabilities automate complex recovery processes seamlessly, minimising recovery time.

- **Reliability and consistency** — Automated processes follow predefined workflows and configurations, reducing the risk of human error during the recovery process. Processes are rigorously tested and validated, allowing organisations to have confidence that their critical systems and data will be restored accurately and predictably.

- **Cost effective resource optimisation** — Automation allows for efficient allocation of computing resources during a disaster, reducing the need for over-provisioning and excess capacity. Innovative features such as dynamic scaling and intelligent workload management help organisations make the most of their IT investments, ensuring resources are allocated efficiently during both normal operations and disaster recovery scenarios.

Our team can support every aspect of your business continuity automation

Assessment & Planning

Assess your infrastructure, applications, data and critical components. Define recovery times/points and create a plan for optimisation.

Strategy

Produce comprehensive strategy outlining potential threats, actions and processes. Identify types of disasters/ failures which require most priority.

Tools & Techniques

Select automation tools and technologies to streamline your processes (e.g., orchestration platforms or monitoring and alerting systems).

Data Replication & Backup

Ensure data continuously synchronised to a secondary location with backups encrypted and stored off-site.

Failover & Failback

Switch operations to a secondary data centre/ environment and restore again if required.

Testing & Validation

Conduct regular (planned and unplanned) tests to validate processes and ensure continual improvement.

Security & Compliance

Implement fully compliant security controls including access, encryption, and authentication.
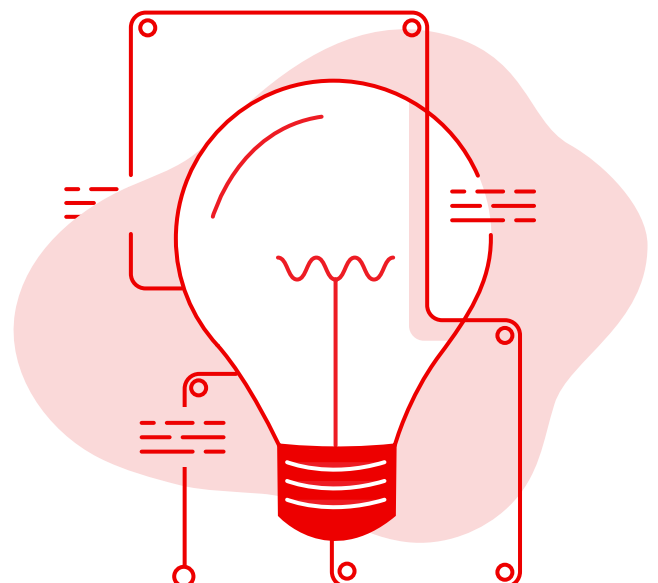
Monitoring & Alerts

Continuously track health of your infrastructure and applications.

Documentation & Training

Document all procedures, configurations and processes. Provide training if required.

Security automation is the #1 automation priority for organisations in 2023.

Source: Red Hat Global Customer Tech Outlook, 2022

Systemizer Technic |Solutions Overview

Why Systemizer Technic?

Systemizer Technic is one of Malaysia's leading enterprise solutions companies—powered by a team of qualified and experienced IT professionals, and with over a decade of industry experience. By implementing intelligent, automation-focused solutions, we help organisations streamline their operations, supercharge their growth, and stay at the forefront of digital innovation.

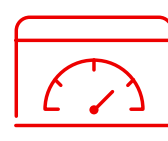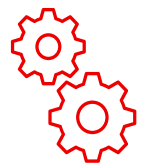| Information Gathering	Design Finalisation	Development	Testing	Optimisation	Deployment
Review existing environments, operating procedures, constraints, known issues, etc.	Discuss and agree solution design details based on information gathered.	Install and configure Ansible platform. Create automation - playbooks, workflows, etc.	Test automation for effectiveness, accuracy, and repeatability.	Ensure performance of automated workflows is optimal.	Deploy automation to production (post UAT sign-off)
Week 1	Week 2		Week 3 – 7		Week 4

Deliverables

Statement of Work / Technical Design / System Integration Test / User Acceptance Test / As-Built documentation

Knowledge transfer to be provided to the relevant team members to enable them to operate and manage the solution post-deployment.

How we transformed disaster recovery efficiency for a major bank

A major Malaysian bank was predominantly relying on manual processes for its disaster recovery and backup, which was proving time-consuming and resource intensive. Since implementing our Business Continuity Automation solution, the bank has experienced significantly enhanced efficiency; enhanced collaboration; and cost savings. Specifically, they have improved the efficiency of their core disaster recovery and backup processes by up to 600%, plus achieved an 83% improvement in time savings due to enhanced application efficiency. The solution has also given the bank the insights it needs to support enhanced decision making and drive ongoing competitive advantage.
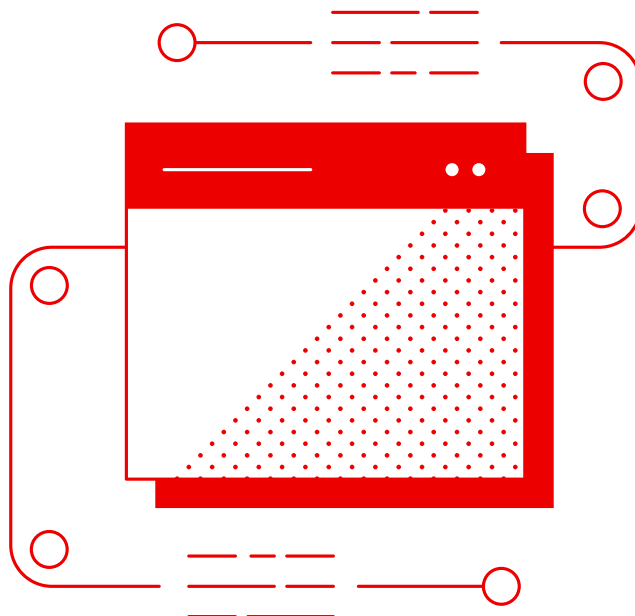
Technology used

- Red Hat Ansible Automation Platform
- Red Hat Enterprise Linux
- Red Hat Smart Management
- Red Hat High Availability

Key benefits

- Minimal downtime
- Faster recovery and restoration
- Data protection
- Enhanced compliance
- Less workload for IT teams

Proven to deliver up to a 600% improvement in disaster recovery efficiency.