Lightcrest

Knowledge is Capital.

DISASTER RECOVERY

YOUR CUSTOMERS DEMAND 100% UPTIME.
BECOME AN EXPERT IN DIASTER RECOVERY.

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INTRODUCTION

Studies estimate that most large companies spend between 2% and 4% of their IT budget on disaster recovery planning, with the objective of avoiding greater losses in the event that the business cannot continue to function due to loss of IT infrastructure or data.

For those firms that had significant loss of mission-critical data, 51% closed within two years, 43% never reopened, and only 6% survived long-term. It is absolutely imperative that organizations who intend on continuing to provide value to their customers and compete in the global economy prepare for continuation and recovery of systems. When done in-house, the process involves a significant investment of money and time with the aim of ensuring even larger losses in the event of a disruption.

Lightcrest Business Continuity solutions are designed to reduce the costs and risks associated with doing DR planning in-house. By partnering with Lightcrest's High-Availability Architecture Division, enterprises reduce their total DR cost outlay by upwards of 50% while increasing their risk mitigation capabilities and breadth of control measures. Depending on the levels of system up-time, data retention, and process redundancy required by the customer, Lightcrest HAD will analyze, design, and deploy a solution that will keep the enterprise compliant, redundant, and fault-tolerant at every layer of the OSI model.

BUILDING A RECOVERY PLAN

Business Continuity Planning (BCP) and Disaster Recovery Planning (DRP) are integral to any enterprise who wishes to mitigate the risk of interrupted service, failed infrastructure, and lost data. DRP is a subset of BCP and focuses on IT assets such as communications infrastructure (networking equipment), systems hardware, data, and mission-critical applications. A BCP usually outlines non-IT related aspects such as key staff, facilities, reputation protection, and crisis communication.

Lightcrest absorbs DRP requirements and implementation while acting as technical intermediary between your core BCP staff and your DR support operations. By leveraging Lightcrest's expertise in high-availability architecture, data retention, network engineering, and systems support, organizations save hundreds of thousands if not millions of dollars by avoiding the TCO associated with in-house DR operations.

DRP control types defined:

1. **Preventative controls:** measures aimed at preventing an event from occurring.
2. **Detective controls:** measures aimed at detecting or discovering unwanted events
3. **Corrective controls:** measures aimed at correcting or restoring the system after a disaster or event.

Lightcrest works lock-step with customers to ensure all necessary controls are defined relative to custom continuity specifications gathered during the discovery phase. All business logic, data, supporting systems and network infrastructure, and key stakeholders are identified and allocated a leaf node in the DRT (Disaster Recovery Tree), a strictly defined hierarchy the describes logical flow of fail-over for all mission-critical components of the business.

BUSINESS CONTINUITY PLANNING

Customers who require BCP will be able to pass partial if not all of their manual development to their allocated DR team at Lightcrest.

BCP manual development generally involves 5 phases:

01 : Analysis
02 : Solution Design
03 : Implementation
04 : Testing and Organization Acceptance
05 : Maintenance

Lightcrest BCP methodology is a derivative of globally accepted best practices and standards based on :

- **ISO/IEC 27001:2005** *(formerly BS 7799-2:2002)* : Information Security Management System
- **ISO/IEC 27002:2005** *(remunerated ISO17999:2005)* : Information Security Management - Code of Practice
- **ISO/IEC 22399:2007** : Guideline for incident preparedness and operational continuity management
- **ISO/IEC 24762:2008** : Guidelines for information and communications technology disaster recovery services
- **IWA 5:2006** : Emergency Preparedness

INDUSTRY COMPLIANCE

Having a proper BCP and DRP in place is often required to meet certain compliance requirements and industry-specific legislation. HIPAA, for example, demands that organizations have a proper DR plan in place.

Industries that require DR planning:

- **Healthcare** *(Hospitals, Insurance Carriers)*
- **Legal services**
- **Finance** *(Brokerage Firms and Banks)*
- **Education** *(Schools, Universities)*
- **Energy** *(Nuclear Power Facilities)*
- **Government**

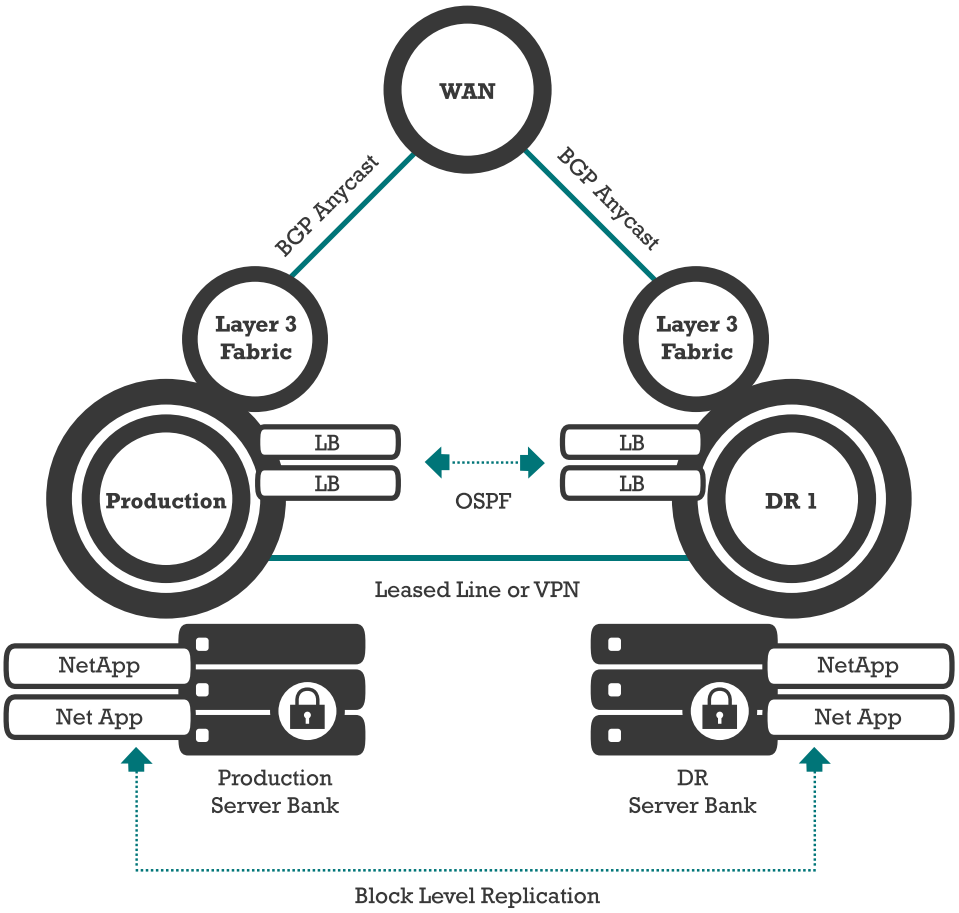
Whether you're trying to maintain HIPAA compliance or take your company public, Lightcrest will help you define, design, and deploy a world-class, fault-tolerant DR architecture to keep your business processes, applications, and underlying systems generating revenue around the clock.

DR ARCHITECTURES

Even Tier 4 data centers find it virtually impossible to maintain 4 nines of uptime (99.99). That's why BCP and DR are imperative to keeping your revenue-driving operations up 100% of the time.

Here is a sample DR architecture:

FULLY AUTOMATED DISASTER RECOVERY



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