Disaster Recovery Pre-Planning: Decision Making for RTO and RPO

Using the professional practices from the Disaster Recovery Institute

Professional Practice 1: Sr. Management Support
President
VP Finance
Comptroller
Assoc. VP - ITS

Professional Practice 2: Evaluate Risk
INFRASTRUCTURE
Physical Infrastructure
IT Infrastructure
Failure History
Existing Redundancies
Nature of Redundancies
Component & Full System
Physical Access

THREATS
Human Acts
Proximity to Risks
Utility Failure
Natural Hazards

Professional Practice 3: Evaluate Business
IDENTIFY CRITICAL SERVICES

ESTIMATE FINANCIAL & PRODUCTIVITY LOSSES

2 weeks
4 weeks
8 weeks

ESTIMATE REPUTATIONAL IMPACT

OPTIONS
Cloud
Build
Partner
Outsource

RISK ANALYSIS HELPS DEFINE THE DISASTER:
Major loss of or damage to the UNB Data Centre such that IT service infrastructure is inoperable, physical site inaccessible, service recovery required at alternate site.

STRATEGY

<table>
<thead>
<tr>
<th>Recovery Steps</th>
<th>Weeks</th>
<th>Initial Cost</th>
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<tbody>
<tr>
<td>Layer 5</td>
<td>≤1</td>
<td>$$$,$$$</td>
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<tr>
<td>High availability remaining Enterprise services</td>
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<td>Layer 4</td>
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<tr>
<td>High availability critical services</td>
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<td>Layer 3</td>
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<tr>
<td>Recovery Point Mirrored Data</td>
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<tr>
<td>Layer 2</td>
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<tr>
<td>Data Centre Internal Networking</td>
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<td>Layer 1</td>
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<td>$$$,$$$</td>
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<tr>
<td>Base Utilities, On/Off campus Network Connectivity</td>
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<tr>
<td>Layer 0</td>
<td>22</td>
<td>$$$,$$$</td>
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<tr>
<td>Recovery Location Determined, Minimally Prepared</td>
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