



JMP Solutions

Industrial Technology Partner to the Fortune 1000



Disaster Recovery for Manufacturers

Proactive IT Availability and Recovery Planning

Disaster Recovery



PROACTIVE IT INFRASTRUCTURE BACKUP AND RECOVERY PLANNING

As industry continues to evolve towards cyber-physical automation, IT/OT overlap and full Industry 4.0 acceptance and integration, information-based disaster recovery (DR) planning is becoming increasingly critical. Events ranging from natural disasters to cyber-attacks to simple human error instances can result in un-planned and potentially prolonged downtime which threatens to have a substantial impact on every aspects of an organization both internally and externally. What manufacturers need to be cognizant of is that regardless of how big or small they are, they all play an important role in a broader supply chain and the impact of a disaster within their walls will almost certainly be felt far beyond those walls.

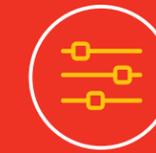
The level of preparedness and degree of DR plan complexity will be the key variable to determine the extent of this impact both internally and externally and could very well be lifeline that defines the sustainability of the business and relationships post-disaster. In this day and age organizations should no longer be considering what the cost to proactively invest in recovery will be but instead what the cost will be if they can't recover.

Disaster Recovery



Recovery Time Objective

RTO defines the downtime tolerance of an organization as well as how that downtime will impact revenue, soft costs and most importantly their customers. Extending recovery beyond the defined RTO will have an extreme impact on operational continuity and long-term business recovery.



Recovery Point Objective

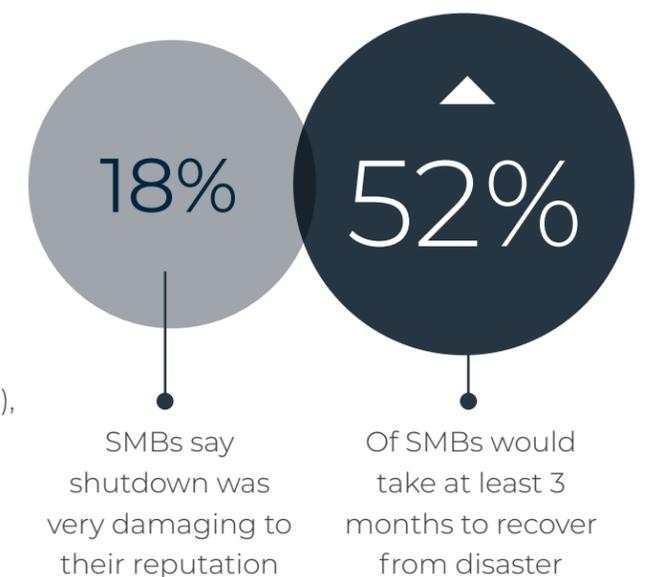
RPO defines a critical point in time to which you would need to revert to, in order to minimize disaster impact. It is reliant on how often your critical data changes, how often you backup and how long those backups take to process. Available remote and safe server space also needs to be considered.

While implementing a disaster recovery strategy testing all processes isn't realistic in many cases. Tier 1 processes need to be prioritized along with their backup strategy, documentation and the people responsible for carrying them out. It is critical that your people are included in DR planning and testing so that contingency planning and reactive processes are developed, taught and reinforced proactively.

High Availability (HA) is a very important concept to consider when developing a DR plan. HA defines the layer of technology that is absolutely critical to provide 99.999% uptime and reliability through redundancy at all levels of the solution (hardware, software and systems), geographically remote servers and fault tolerance considerations to provide added stability. Proactively developing an effective HA strategy and architecture

significantly reduces downtime risk and the need for full DR measures.

At JMP we provide disaster recovery as a services (DRaaS) to help you navigate your HA and DR priorities and implement a strategy to minimize the impact of a disaster on you and your customers.





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