

# BACKUP & DR ARCHITECTURE & IMPLEMENTATION

## Enterprise-grade systems design to keep you up and humming.

Atomic Data has 20+ years of enterprise business continuity and disaster recovery expertise, ranging from simple endpoint backup solutions to multi-location, active-active disaster recovery systems architecture, hosting, management, monitoring, and testing.

Architects develop customized recommendations and designs around budget, industry, compliance mandates, RPO/RTO requirements, and existing infrastructure. Plus, thanks to our vendor agnostic approach, multi-location data centers, private cloud environment, and Minnesota's leading DR/BCP architects, clients are able to implement an end-to-end DR/BCP solution using only Atomic Data products and services; a true a one-stop-shop approach.

### OUR BACKUP & DR ARCHITECTURE & IMPLEMENTATION PROCESS

- Assess needs and identify requirements via a **Business Impact Analysis**. Here we'll determine outline current state, prioritize workloads, define RPO/RTO objectives according to each workload, understand what's driving the need for BCR/DR (compliance vs internal), and identify an executive sponsor ensuring long term upkeep and success.
- Ensure that **on-site backups** are being performed, monitored, and validated according to industry best practice.
- Ensure that **off-site backups** are being performed, monitored, and validated according to industry best practice.
- **Design offsite replication** of systems (native formats, ideally to the same place as a copy of offsite backup data)
- **Develop a Disaster Recovery Playbook** and identify all networking items (DNS changes, how users will connect, etc)
- **Perform a Soft Test**. This is a bubble test where we don't do anything to production and validate RPOs as much as we can short of cutting over networking
- **Perform a Full DR Test** – Intended to simulate an outage, this service impacting step doesn't always happen and can be very industry dependent. Applicable clients are generally executing this test annually.
- Implement ongoing **24x7 monitoring and maintenance** regimens.