

# Datacenter Modernization Assessment Checklist

BLACKHAWK DATA

## Current State Inventory

- Server inventory (make, model, age, utilization)
- Storage inventory (type, capacity, utilization)
- Network fabric topology documented
- Virtualization platform and version
- Backup and DR solution documented

## Capacity & Performance

- CPU utilization trends (90-day)
- Memory utilization trends
- Storage capacity and growth projections
- Network bandwidth utilization
- Application performance baselines

## Lifecycle Assessment

- End-of-life/end-of-support dates cataloged
- Firmware/patch currency assessed
- Warranty status verified
- License compliance confirmed
- Vendor support contract review

## Cloud Strategy

- Workload classification (keep, migrate, retire)
- Cloud provider(s) evaluated
- Hybrid connectivity requirements
- Data sovereignty requirements
- Cost modeling (on-prem vs cloud vs hybrid)

## AI/ML Readiness

- GPU compute requirements assessed
- High-performance storage needs evaluated
- Network fabric supports RDMA/RoCE
- Power and cooling capacity for high-density racks
- AI/ML platform and tooling requirements

## Resiliency & DR

- RPO/RTO requirements defined per application
- DR site identified and tested
- Backup frequency meets requirements
- Failover testing conducted in last 12 months
- Runbook documentation current