

RadOnc Infrastructure Modernization

Challenge: Modernize fragile, vulnerable Radiation Oncology servers & applications by migrating to a resilient, best-practice infrastructure that meets clinical demands & business continuity & disaster recovery (BCDR) tier requirements.



Success Factors

Best Practice | Knowledge | Experience. Applying deep technical analytical skills and strategic project management expertise, the Ballista consultant tackled a complex technical environment that had evolved over the years with no standardization, documentation, inventory, security strategy, or standardized support or access.

Approach

Analyzed & documented 183 servers & **32 applications** determining appropriate migration strategy. Provisioned required infrastructure & prioritized execution of server & application migrations based on system vulnerability and clinical priority. Transition to standardized support.

Outcomes

Eliminated array of security vulnerabilities. Removed single point of failure access to RadOnc apps. Improved total throughput. Migrated to redundant infrastructure running current & maintained operating systems. Implemented highly available solution for MIM & Limbus. Set up BCDR.



70-80% processing speed
improvement of Limbus
auto-contouring system



183 vulnerable devices
shutdown for consolidation



100+ TB of data migrated
across **14 file shares** &
applications