



State Data Centers

The State of Mississippi Data Centers deliver highly available and secure mainframe, server, and storage solutions to state government entities. Completed in 2011, the Primary Data Center hosts mission critical information systems and applications for the State. The Center has over 12,000 square feet of raised floor area, failsafe features, environmental controls, and robust technology to support these applications within a hardened, resilient, and secure environment. The Co-Processing Data Center provides a protected environment for state agencies seeking alternate or secondary backup site solutions. Together these two facilities provide state government with a robust, flexible, secure, and cost effective hosting “cloud” environment to meet the information technology needs of the State.

ITS is committed to ensuring that the State of Mississippi receives the maximum use and benefit from information technology services and to optimize the efficient use of the State’s information technology assets. ITS seeks to work in full cooperation with state agencies and other government entities to fully leverage the services offered by both Mississippi State Data Centers.

Several key factors merit evaluation by agencies in determining appropriate facility requirements for Information Technology (IT) infrastructure:

Risk Management: Physical protection of state assets and high availability systems and infrastructure

Security: Protection of state information assets

Economies of Scale: Volume purchases, distribution of expertise, and shared facilities and costs

Policies, Procedures, Processes: Standardized and audited

Data Center and Network Statistics

- » Provides computing services to approximately 160 state agencies and several private entities that access public records
- » Processes approximately 4,000 batch jobs and 2.75 million online transactions per day on 2 enterprise mainframe systems
- » Hosts approximately 1000 virtual VMware servers with approximately 1.5 Petabytes of virtual storage
- » Relays approximately 256,000 emails and filters approximately 24,000 email accounts for viruses and SPAM resulting in the blocking of approximately 1.8 million emails per day
- » Hosts approximately 1000 remote WAN sites on the statewide Multiprotocol Label Switching (MPLS) network and 40 agencies on the Capitol Complex 40 Gigabit fiber backbone network

Primary Data Center - Physical Facility Attributes

- » Designed to withstand an F4 Tornado (200 MPH)
- » Two diversely routed power feeds engineered for automatic failover from supplier to every connected device within the production environment
- » Two 1.5 megawatt generators providing 31 days of support, dual-fueled for diesel and natural gas
- » Two diesel tanks holding a combined 18,000 gallons of fuel to support over 7 days of run time
- » Three 300-ton chillers for environmental control
- » One 40,000 gallon in-ground water tank to support chillers
- » In-house accommodations to support overnight emergency operations
- » Environmental systems monitored 24x365
- » Card and biometric security access controls
- » Intelligent fire alarm and suppression system
- » Intelligent water detection and notification system
- » 24x365 operations support includes armed security guards, operations staff, and technical engineers

