

Management & Infrastructure

Strengthen operations and security through statewide solutions and universal standards

Management & Infrastructure

Strengthen operations and security through statewide solutions and universal standards



Strategies

- Continue evolving Michigan’s ICT standards and architecture to enable and drive a robust and agile service delivery platform.
- Utilize best practices in the management of ICT assets, including hardware, software, and data as well as information systems and applications.
- Provide optimal levels of security and citizen privacy.

Progress to Date

Michigan Information Privacy Protection Council (MIPPC)

- ✓ DTMB provides active leadership through its membership in the MIPPC, an advisory body to the Governor that is charged with providing the state with privacy protection and developing best practices to safeguard citizen data. The council includes information privacy protection officers from each executive agency, the chief privacy officer and the chief information security officer. The committee shares critical information and coordinates measures, such as filtering network traffic and protecting state assets across all executive agencies.

Centers of Excellence

- ✓ Cross-agency Centers of Excellence allow DTMB to bring together leading practitioners to address issues as a team, regardless of the function or geographic locations of employees. The centers are structured around high-demand technologies such as reporting services, virtualization and address quality assurance.

Improving Back-end Performance and Reliability

- ✓ DTMB has established a new mainframe computer and virtual tape environment to support critical business applications for seven state departments. The new technology and faster processors increase performance and improve reliability. The improvements are expected to save \$2.8 million over the next three years.
- ✓ Other back-end product and service implementations are improving computing agility. In this way, DTMB is centralizing, virtualizing and minimizing the complexity of traditional computing while improving customer service.

Data Center Consolidation

- ✓ The migration of 36 aging agency-based computer and server rooms and equipment into one of three secure hosting centers has improved the security, reliability, manageability and availability of critical agency applications. The consolidation of resources has saved more than \$19 million and reclaimed 30,000 square feet of office space.

Initiatives in Motion\*

Public-Private Partnerships: MiCloud

- For Michigan, the road to cloud computing is a two-pronged approach to transform ICT service, function and delivery. MiCloud, an internal government cloud, will allow agency clients to tap into a portfolio of services such as cost-effective storage, enhanced data security and rapid, seamless implementation of services. MiCloud incorporates Michigan’s public-private data center project to establish a public cloud for government entities statewide. This cloud will lead to shared application hosting and managed services across local and state governments, reducing cost to government statewide.

Unified Communications

- Michigan’s Unified Communications initiative combines a host of technologies—real-time instant messaging, voice over Internet presence information, video conferencing and messaging—into a consistent, unified user interface. DTMB engineering teams are developing low-cost alternatives to meet the rising demand for this service.

e-Discovery

- Litigation in federal and Michigan courts requires the availability and use of electronically stored information (ESI). To respond to these requirements, the State of Michigan formed an e-discovery committee to oversee the process. This group works with the Attorney General’s office and state agencies to develop a process to identify, collect, preserve and produce ESI. An e-discovery coordinator assists state agencies with these processes and works with the committee to evaluate tools, improve processes and provide resources to assist in electronic discovery for all state agencies.

Disaster Recovery Resources

- Expansion of the Disaster Recovery Test Lab will enable restoration of critical application data. Staff members are finalizing implementation of infrastructure and services to support disaster recovery planning and business continuity management across state government.

Desktop Virtualization

- DTMB leverages technologies such as virtualization to manage the state’s desktops and realize additional savings. This effort aims to maximize desktop management efficiencies, drive costs down and expand green ICT initiatives.



proof positive

Michigan Partners with the Department of Homeland Security to Enhance Computer Security

Analysts are leveraging the most advanced security technology in the world to protect the state’s computer networks. Thanks to a partnership with the US Department of Homeland Security (DHS), DTMB has obtained the state-of-the-art Einstein system that monitors and analyzes anomalies that may indicate system threats. Through this, Michigan’s data traffic has the same high level of protection against identity theft and cyber attacks as federal networks. Michigan is the first state to implement Einstein, which was installed at no cost to the state.

exploring technology solutions

e-Discovery and Information Collaboration

This area of technology facilitates sharing and integration of data among departments, leveraging information to enable quicker, more effective decisions. Breaking down old barriers among government agencies—along with new federal court rules for managing electronically-stored information—has increased the need for common methods to communicate and share information with decision makers. Through information collaboration and e-discovery, Michigan will fulfill federal requirements and foster more efficient and timely use of information across agencies.

tools and solutions

Enabling Management and Infrastructure

- Statewide standards and architecture
- Web platform and Web-oriented architecture
- Alternative acquisition and delivery models
- Energy optimization and greening
- Improved cost structure
- Geographic information systems, mashups and composite applications
- Identity management

\*Appendix Resources:  
Initiatives - A • Targets - B • Associated Technologies - C