



Michigan
Office of the Auditor General
REPORT SUMMARY

Performance Audit

Report Number:
 084-0563-09

Statewide UNIX Security

*Department of Technology, Management and
 Budget (DTMB)*

Released:
 April 2010

DTMB maintains and operates approximately 550 servers with a UNIX operating system. These servers contain critical systems and data for the 15 State departments. These systems help the State departments deliver important government services. DTMB is responsible for the configuration, administration, and security of the UNIX servers. In 2009, at least \$5 billion of transactions were processed by State departments on UNIX servers.

Audit Objective:

To assess the effectiveness of DTMB's controls to ensure the security of the State's UNIX servers.

Audit Conclusion:

DTMB's controls to ensure the security of the State's UNIX servers were moderately effective. We noted five reportable conditions (Findings 1 through 5).

Reportable Conditions:

DTMB did not fully develop an effective method to detect operating system weaknesses on UNIX servers (Finding 1).

DTMB did not fully remediate operating system security weaknesses on its UNIX servers (Finding 2).

DTMB should improve the accuracy and completeness of information in its UNIX server inventory (Finding 3).

DTMB had not fully established an appropriate segregation of duties over the administration of all UNIX servers (Finding 4).

DTMB did not fully establish procedures for the secure configuration of UNIX servers (Finding 5).

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Agency Response:

Our audit report contains 5 findings and 5 corresponding recommendations. DTMB's preliminary response indicates that it agrees with all of the recommendations and will comply with them.

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A copy of the full report can be
obtained by calling 517.334.8050
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<http://audgen.michigan.gov>



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