

Internal Policies and Procedures of the Utah State Board of Education	
Policy #	05-06
Subject:	IT Audit Log Management
Date Approved	February 21, 2024
Policy Owner's Title	Chief Information Security Officer
Policy Officer's Title	Deputy Superintendent of Operations
References:	
NIST Special Publication 800-53 Rev. 5	
NIST Special Publication 800-92	
-Center for Internet Security (CIS) Critical Security Controls – Control 8	

1) Purpose and Scope

- a) The Purpose of log management is to collect, review and retain logs for the detection of Information Technology (IT) security incidents.
- b) The scope of this document includes all Utah State Board of Education (USBE) systems.

2) Policy

- a) Event Logging
 - i) Audit log collection should include, but is not limited to:
 - (1) Domain Name System (DNS) Query Audit Logs.
 - (2) Uniform Resource Locator (URL) Request Audit Logs.
 - (3) Command-Line Audit Logs.
 - ii) Time Stamps
 - (1) Internal system clocks should be used in the generation of time stamps for audit records.
 - (a) At least two synchronized time sources across enterprise assets should be used to standardize time synchronization.
 - (2) Time stamps for audit records that use Coordinated Universal Time, have a fixed local time offset from Coordinated Universal Time, or that include the local time offset as part of the time stamp.
- b) Contents of Audit Log Records
 - i) Configure detailed audit logging for enterprise assets containing sensitive data.
 - ii) Audit Logs should contain information that establishes the following:
 - (1) What type of event occurred.
 - (2) When the event occurred.
 - (a) Date and time of log on and log off, and other key events.
 - (3) Where the event occurred.
 - (a) Files and networks accessed.
 - (4) Source of the event.
 - (5) Outcome of the event.
 - (a) Successful and failed attempts to access systems, data or applications.
 - (b) Use of system utilities.
 - (c) Exceptions and other security-related events, such as alarms triggered.

