Software Architecture Standard

Introduction
Hardware and software vendors are phasing out support for 32-bit architectures. OMES IS has established a 64-bit software architecture standard for state devices based on the current technology available and the common need of state users. The standard offers better supportability, a more consistent operating experience for users and is one component used to help protect the security of State of Oklahoma resources.

Purpose
This document defines the standard for software architecture for state approved applications.

Standard
Utilizing 64-bit applications helps the State of Oklahoma future-proof investments, ensure a more robust cybersecurity posture and also allows the state to adopt the latest technology. To this end, the state standard for application software versioning is 64-bit. State employees and contractors are expected to use a 64-bit application version when offered by a vendor.

Compliance
This standard shall take effect upon publication and is made pursuant to Title 62 O.S. §§ 34.11.1 and 34.12 and Title 62 O.S. § 35.8. OMES IS may amend and publish the amended standards policies and standards at any time. Compliance is expected with all published policies and standards, and any published amendments thereof. Employees found in violation of this standard may be subject to disciplinary action, up to and including termination.

Rationale
To coordinate and require central approval of state agency information technology purchases and projects to enable the chief information officer to assess the needs and capabilities of state agencies as well as streamline and consolidate systems to ensure that the state delivers essential public services to its citizens in the most efficient manner at the lowest possible cost to taxpayers.

Revision history
This standard is subject to periodic review to ensure relevancy.

Effective date: 04/08/2022	**Review cycle:** Annual
Last revised: 04/08/2022	**Last reviewed**: 08/30/2023
Approved by: Joe McIntosh, Chief Information Officer	