# LSU

# POLICY STATEMENT 130
# APPLICATION SECURITY

Monitoring Unit: Information Technology Services
Initially Issued: July 21, 2023

## PURPOSE

As an institution of higher education, the Louisiana State University A&M Baton Rouge Campus ("University" or "LSUAM") is charged with maintaining systems and data for administrative, academic, and research purposes. Applications that support the University's business are critical and must be managed with a formalized Application Security Policy.

The purpose of this policy is to define the required processes and activities pertaining to application security.

## DEFINITIONS

Application – A system for collecting, saving, processing, and presenting data by means of a computer. An application developed internally by an organization will be referred as custom application.

Asset – A resource, process, product, information infrastructure, etc. whose loss or compromise could intangibly affect its integrity, availability, or confidentiality, or it could have a tangible dollar value. The loss or compromise of an asset could also affect an entity's ability to continue business. Examples of assets include, but are not limited to, equipment, software, algorithms, and data.

Data - Any information residing on the University IT Infrastructure or held on any other IT Infrastructure on behalf of the University. This data includes files, documents, messages in any format, including e-mail messages and posts made on any Social Media site maintained by/for the University or its units. All University data created and/or maintained by a User is also subject to this Policy, even if the data is created and/or stored on the User's own personal computer, smartphone, or other personal device.

IT Asset – For the purpose of these policies, IT Asset is a subset of Asset and specifically refers to hardware that have compute and storage capabilities (e.g., laptops, desktops, servers/virtual servers, mobile devices, etc.) and is utilized to store, process, access, and/or handle Data.

Software as a Service (SaaS) – The capability provided to a consumer to access or use a provider's application running in a cloud infrastructure. SaaS can also be referred to as Cloud Application.

## POLICY STATEMENT

A. Secure Application Development
   1. LSUAM shall ensure the secure software development practices are followed during the entire software development lifecycle and implement controls appropriately, for all applications that are developed internally, i.e., within LSU, or through a partnership with a third-party vendor.
   2. LSUAM must define and incorporate appropriate security architecture for all custom applications developed internally.
B. Application Security Review
   1. LSUAM shall develop processes and procedures to test and verify the security posture of all custom applications prior to moving the application to a production environment.
   2. LSUAM shall develop processes and procedures to assess the security posture of all custom applications throughout the life of the application.
C. Cloud Application
   1. LSUAM shall develop processes and procedures to evaluate the security posture of all cloud applications utilized by the institution.

## STANDARDS

A. The Secure Application Development standards are outlined in PS-130-ST-1.
B. The Application Security Review standards are outlined in Standard PS-130-ST-2.
C. The Cloud Application standards are outlined in Standard PS-130-ST-3.


## EXCEPTIONS AND NON-COMPLIANCE

- Please refer PS-120-ST-4 for additional information related to exceptions.
- Please refer PS-120 for additional information related to Policies and Standards non-compliance.

## REVISION HISTORY

| Version | Date | Change Description | Edited By |
|---------|------|--------------------|-----------|
| 0.1 | 7/21/2023 | Initial Draft | Information Technology Services |