



Cloud Solutions

# Security in the Ellucian Cloud

Key security practices  
and internal controls that  
help Ellucian keep your  
institutional data safe



## Abstract

Twenty-first century campus information systems house vast amounts of sensitive data. The security threats to this data continue to grow, making security a top concern for higher education information technology teams today. The consequences of exposed personal data can be grave for exposed individuals, and the financial and reputational damage to institutions can be severe.

The EDUCAUSE Higher Education Information Security Council (HEISC) is driving colleges and universities towards developing “top-notch information security governance, compliance, data protection, and privacy programs.” In alignment with that initiative, Ellucian has developed a multi-layered, comprehensive approach aligned with the standards of trusted security frameworks.

This white paper provides an overview of Ellucian’s current security practices and standards for protecting cloud-based systems and data—from rigorous independent compliance audits, penetration testing, and security reviews to threat monitoring, logical security, and security incident response. Ellucian’s cloud offerings use the Amazon Web Services (AWS) cloud infrastructure (referred to in this document as “Cloud Solutions”), making Ellucian the world’s leading provider of software and services that power the essential work of colleges and universities.

## 1. Introduction

This document contains security information pertaining to the internal controls at Ellucian and the services that we provide to our customers.

The following information can help assess security considerations and questions about Ellucian's Cloud Solutions.

In an ever-changing landscape of technology and security threats, Ellucian maintains the right to revise the controls outlined in this document. Ellucian will make reasonable efforts to update this information as improvements are made.

In selecting a deployment model for software solutions, it is important that customers understand that Information Security is a shared responsibility between Ellucian and the customer. Generally, as a customer moves towards a full Software as a Service (SaaS) solution, more – but not all – security tasks will be handled by Ellucian.

The following [link](#) and corresponding diagram depicts the areas of responsibility between the customer and Ellucian for a SaaS deployment as well as an overview of security services provided for Ellucian SaaS solutions.

## 2. Compliance

Ellucian is committed to supporting customers through regulatory changes and compliance matters. Higher Education institutions compliance efforts require combining application functionality and network management with process and practices. While Ellucian itself is not subject to the same compliance requirements that our customers are, our products and services are designed to support customer compliance requirements where we can.

For Ellucian Cloud customers, to demonstrate this compliance support, key control requirements of a strong security posture, including an certified Information Security Program, strong Access Controls, Asset Inventory, Information Security Risk Assessments (SOC 1/SOC 2, ISO 27001), Secure Software Development, MFA Access to Systems,

Encryption of Customer Data (in transit and at rest), Immutable and Encrypted backups, Change Management, as well as Security Monitoring and Alerting are in place, supported, and validated.

### ISO/IEC 27001:2013 (ISO 27001)

Ellucian Cloud Services is ISO27001:2013 certified. ISO/IEC 27001:2013 (ISO27001) is the international standard that defines leading practices for implementing an information security management system (ISMS).

These best practices are a system of processes, documents, technology, and people that helps to manage, monitor, audit, and improve an organization's information security posture.

The ISO27001 certification demonstrates Ellucian's commitment to security across its products and cloud services, and demonstrates the effectiveness of our security controls. The certificate is available to review at [ellucian.com/security](http://ellucian.com/security).

### SSAE 18: SOC 1, SOC 2, and SOC 3 Type II Reporting

The Statement on Standards for Attestation Engagements No. 18 (SSAE 18) is the auditing standard for service organizations developed by the Auditing Standards Board of the American Institute of Certified Public Accountants (AICPA). These reports are a result of an independent audit that customers and auditors can use to assess financial reports and audits.

Ellucian has retained an independent audit firm to conduct its annual Service Organization Control (SOC) audits. The SOC 1 Type II report lists controls implemented at Ellucian and addresses frequently asked questions about Ellucian security processes and internal infrastructure. The audit firm also issues a SOC 2 Type II report that is audited against the AICPA standard, with a focus on the Trust Service Principles of security, availability, and confidentiality. Both reports include the auditor's assessment, a description of controls in place, a review of the effectiveness test of each control, and Ellucian management responses to any findings. A SOC 3 Type II report is also available on Ellucian's website at [ellucian.com/security](http://ellucian.com/security).

### **Payment Card Industry Data Security Standard (PCI DSS)**

The Payment Card Industry Data Security Standard (PCI DSS) is a set of information security standards developed by the PCI Security Standards Council to protect payment cardholder data. Ellucian's PCI DSS responsibilities are limited to the Ellucian cloud-based payment applications, specifically its payment page and systems that connect to the customer's third-party payment processor.

Following the shared security responsibility model, Ellucian and its customers are jointly responsible for the security of customers' applications built on the Ellucian Cloud.

### **HIPAA (Health Insurance Portability and Accountability Act of 1996)**

Ellucian Cloud Solutions in AWS do not currently support the storage of protected Personal Health Information (PHI) that is regulated by HIPAA in our Cloud Solutions products or environments.

Each institution should consult with their legal or compliance teams to determine whether their institution is a "covered entity" as defined by HIPAA. Each institution will need to make that determination for itself.

### **Cloud Security Alliance Compliance**

The Cloud Security Alliance (CSA) promotes the use of best practices for providing security assurance within cloud computing and provides education about the use of cloud computing best practices to help secure other forms of computing. Ellucian has documented where its Cloud Solutions align with CSA operationally.

Ellucian publishes its self-assessment and alignment with the CSA Consensus Assessments Initiative Questionnaire (CAIQ). This Level One CSA STAR Self-Assessment is published in the CSA registry and is available for customer review at [cloudsecurityalliance.org/registry/ellucian](https://cloudsecurityalliance.org/registry/ellucian).

### **Higher Education Cloud Vendor Assessment Tool (HECVAT)**

Educause's HECVAT is a security questionnaire framework specifically designed for higher education

to measure vendor risk. Ellucian has completed the assessment tool to document its cybersecurity controls as they pertain to our Cloud Solutions. The HECVAT is available to Ellucian's customers and prospects under agreed terms of confidentiality and can be requested [here](#).

### **UK Cyber Essentials**

Cyber Essentials is a Cybersecurity certification developed by the UK Government. The principles and controls align with internationally accepted best practices for Information Security. Ellucian maintains the Cyber Essentials Basic certification which can be reviewed [here](#).

### **Reporting Availability**

Ellucian's security team provides customers with copies of our most recent SOC 1 and SOC 2 reports (subject to a non-disclosure agreement), relevant policies and standards, and completed assurance questionnaires demonstrating where we conform with industry security standards, such as the Cloud Security Alliance CAIQ and Educause HECVAT. Ellucian does not share internal risk assessment reports, as these are designed to be internal-facing only. Validation that these audits and assessments occur is captured in the SOC reports.

## **3. Data Privacy**

Ellucian's privacy notice can be found at [ellucian.com/privacy](https://ellucian.com/privacy).

## **4. Information Security Management**

Ellucian's ISO 27001:2013-based ISMS is intended to provide management direction and support for information security in accordance with business requirements and relevant laws and regulations.

The ISMS is designed to establish a management framework to initiate and control the implementation and operation of information security within the organization. Ellucian's leadership team actively supports information security within Ellucian through clear direction, demonstrated commitment, explicit assignment, and acknowledgment of its information security responsibilities.

Ellucian's leadership team has explicitly assigned lead responsibility for information security to Ellucian's Chief Information Security Officer (CISO). The CISO has reviewed and approved the ISMS, which demonstrates the commitment to the establishment, implementation, operation, monitoring, review, maintenance, and improvement of the ISMS. The CISO works with Ellucian's legal advisors regarding compliance with laws and regulations applicable to Ellucian.

## 5. Risk Management

### Internal Risk Assessment

As part of Ellucian's commitment to minimizing and managing risk, Ellucian conducts internal risk assessments against Ellucian business units to identify risks. These assessments are performed in accordance with the ISO 27001/27002 framework and controls.

Identified risk is assigned an owner to build a remediation plan as well as any short-term mitigation actions needed to reduce the overall risk to the organization. The status of these risks is documented and reported to senior management.

### Third-Party Risk Assessment

Ellucian has implemented a comprehensive third party risk assessment program for managing security risks associated with third-party vendors, service providers, and partners that includes an evaluation of their Information Security Program and a security architecture assessment of the services or solutions provided.

Based on criteria outlined in the Ellucian Third-Party Security Standard, vendors are classified into one of three security risk levels. Each vendor is assessed based on these risk levels. Higher-risk third parties have formal risk assessments performed to verify that adequate security controls are in place.

Third-party relationships are reviewed and classified by Ellucian's security, business owner, procurement, and/or legal teams as appropriate against risk criteria so that relevant information concerning security requirements and contractual provisions are identified and incorporated into agreements and service delivery monitoring processes.

Additionally, Ellucian may, when required by applicable law, conduct a Data Privacy Impact Assessment (DPIA).

**84%** of organizations faced at least one successful phishing attack.

*Proofpoint '2023 State of the Phish' Report*

## 6. Security Policy

Ellucian maintains an Information Security Policy and related standards that are aligned to the ISO 27001 framework and are defined, approved by management, published, and communicated to employees and relevant external parties.

Ellucian's Information Security Policy and standards are reviewed regularly, and as needed when a significant change occurs, to confirm their continuing suitability, adequacy, and effectiveness. Supporting standards, guidelines, and procedures are adjusted as appropriate.

### Organization of Information Security Policy

The policy and standards cover the following security domains:

- Information Security Risk Management
- Personnel Security
- Asset Management
- Access Control
- Physical and Environmental Security
- Operations Security
- Communications Security
- Systems Development and Maintenance
- Encryption
- Third-Party Security
- Security Incident Management
- Business Continuity
- Compliance

## 7. Information Asset Management

Through the use of enterprise and platform tools, Ellucian keeps records of systems, devices, and data that make up the backbone of the Cloud Solutions offerings. These tools provide a real-time look at what is running in an environment. More importantly, it provides the details necessary to regularly evaluate and review secure deployment practices while maintaining performance.

Asset management also helps provide a baseline for risk and vulnerability assessment, allowing Ellucian to identify and mitigate risks to those assets. These risks are then reported to senior management to build awareness, assess the business risk, and assign resources and priorities to remediate or mitigate that risk for the business and operations.

## 8. Information Classification

Information classification allows an organization to implement appropriate security controls and protection criteria to safeguard information based on type. Ellucian's Information Classification Standard defines the classification, labeling, and handling requirements of Ellucian information. The standard applies to Ellucian information assets in the possession of, or span of control of, Ellucian employees, consultants, contractors, temporary staff, business partners, and third parties. Ellucian classifies data into three primary categories—restricted, confidential, and public—and defines how each category is handled as necessary.

## 9. Human Resources

### Background Checks

Background verification checks on candidates for employment at Ellucian are conducted in accordance with relevant laws and regulations. These background verification checks may include Social Security number, national identification number, employment history verification, criminal record, and educational background verification.

### Employee Security Responsibilities

Ellucian is committed to the training and development of its employees. Employees receive awareness training in, and regular updates about, organizational policies and procedures. Ellucian employees are trained regularly on security awareness, phishing, and data protection requirements. Employees are required to acknowledge their understanding of and adherence to Ellucian's information security and privacy policies on an annual basis.

Employees and contractors have duties and responsibilities to protect information at Ellucian, which are enforced through various policies and procedures within the organization. The duty to observe applicable policies and procedures is a condition of employment. This obligation is also incorporated into Ellucian's Code of Conduct and Privacy Notice. Personal information is treated as restricted information according to our Information Classification Standard and is protected with the highest security measures at Ellucian.

## 10. Physical and Environmental Security

### Amazon Web Services (AWS) Facilities

Ellucian, an AWS Education Competency Partner, uses AWS for a global, scalable, innovative, and highly secure platform to host many of its Cloud Solutions to better serve higher education customers worldwide. Ellucian chose AWS as its global cloud provider to deliver scale, security, and a rapid pace of innovation. Security and scalability were key elements Ellucian evaluated when choosing AWS.

AWS describes through publicly available documentation that its data centers are housed within nondescript facilities. Mechanical, electrical, and life support systems and equipment are continually monitored to identify issues. AWS performs preventative maintenance on equipment to provide for continued operability. Physical access is controlled by a professional security staff using video surveillance, intrusion detection systems, and other electronic means. Visitors and contractors are required to present identification upon sign-in and

must be escorted by authorized staff. Two-factor authentication must be provided at least twice in order to access the data center floors.

AWS data center access and information are granted only to contractors and employees with a legitimate business need. Access is revoked upon the conclusion of that business need. Physical access to AWS data centers by AWS employees is logged and routinely audited.

AWS personnel and systems monitor and control temperature and humidity to maintain optimal atmospheric conditions. AWS data centers utilize automatic fire detection and suppression equipment.

Smoke detection sensors are located in data center environments, generator equipment rooms, mechanical and electrical infrastructure spaces, and chiller rooms. Areas are protected by wet-pipe, double interlocked pre-action, or gaseous sprinkler systems. Electrical power systems are designed to be fully redundant. Uninterruptible power supply (UPS) and generators are used to provide backup power in the event of a failure.

Physical and environmental control objectives are validated by AWS's Service Organization Controls 1 (SOC 1) and Service Organization Controls 2 (SOC 2) reports. While Ellucian cannot provide these reports on behalf of AWS, institutions are encouraged to utilize the AWS Artifact page to register and receive copies for their due diligence efforts. This can be found at [aws.amazon.com/artifact](https://aws.amazon.com/artifact).

Additional information on AWS security controls can be found at [aws.amazon.com/compliance/data-center/controls](https://aws.amazon.com/compliance/data-center/controls).

### **Ellucian Corporate Facilities**

While Ellucian does not maintain any corporate data centers, physical and environmental security controls are implemented to protect system resources, the facilities housing those resources, and the facilities used to support their operation. Physical facilities comply with local building codes for structural stability and safety.

Visitors must sign in and obtain a visitor's badge before being granted admittance to Ellucian facilities.

Visitors must be escorted. Employees, contractors, and visitors working or visiting the Ellucian facilities must have an Ellucian ID badge or visitor's badge when at Ellucian offices.

## **11. Vulnerability and Configuration Management**

Ellucian maintains a comprehensive vulnerability management program. Ellucian deploys enterprise class vulnerability scanning and cloud security posture management tools to identify risks to its information assets.

In addition, Ellucian partners with third-party vendors annually to perform traditional and crowd-sourced penetration testing to assess the security of our Cloud Solutions environments and applications.

### **Vulnerability Management**

Information assets are managed to minimize exposure to technical vulnerabilities in accordance with industry-standard vulnerability management practices.

Vulnerabilities identified through vulnerability scanning, continuous monitoring, and penetration testing are classified, remediated, and managed according to defined guidelines for high-risk systems and devices.

### **Configuration Management**

Ellucian has defined a strict configuration management program for its Cloud Solutions to provide the integrity and security of the systems that make up the customer offerings.

Through the use of logging and alerting tools, endpoint antivirus and anti-malware tools, and golden images and configurations based on secure configuration practices, Ellucian works to help maintain environmental integrity and defend against unauthorized access. These images are reviewed regularly to align with newly emerging threats.

Ellucian deploys next-generation antivirus/endpoint protection on both Microsoft and Linux platforms.

## 12. Change Management

Ellucian has documented change management policies and procedures in place, including requirements for making system and software changes (e.g., network device changes, server upgrades, emergency reboots, and bug fixes). The change management process covers both standard and emergency changes. The policy is reviewed by management on an annual basis.

Each system and application change is documented within a change record maintained in the corporate ticketing system. Each change is assigned a change type based on the estimated risk and effect on the production environment, in accordance with the change management policy and procedures.

Ellucian requires customer approval for changes to the customer's production environment, except those utilizing the Cloud Solutions SaaS model. However, Ellucian does reserve the right to perform emergency maintenance without any prior notification, should it be deemed necessary to protect and maintain the security and integrity of the Cloud Solutions. Confirmation of the customer's change approval is documented in the ticketing system. Changes are reviewed by an Ellucian manager who is a member of the Change Advisory Board (CAB). Members of the CAB are responsible for reviewing, approving, or denying changes.

Changes to the corporate infrastructure, environments, or data centers that support Ellucian Cloud Solutions are managed through a similar documented change management process, with changes documented in the corporate ticketing system.

**86%** of breaches involve the use of stolen credentials.

*Verizon '2023 Data Breach Investigation Report'*

## 13. Network Security and Data Protection Technology

### Firewall and Port Security

Ellucian Cloud Solutions practice defense-in-depth with host-based and network firewall technology to protect customer systems and data. Management of defined rules are tightly controlled to prevent unauthorized ports and protocols from being implemented.

### Web Application Firewall

In addition, Ellucian deploys application layer security technology to protect your web applications or APIs against well-known and advanced hacking techniques, such as SQL injection, cross-site scripting, sensitive data exposure, unvalidated redirects, and many other top web application threats.

### Threat Detection & Monitoring

Ellucian Cloud Solutions use network traffic monitoring and protection technologies to protect against malicious activity against customer systems and data. Ellucian Cloud Solutions are monitored 24/7/365 by Ellucian security analysts.

Ellucian deploys a threat detection service that continuously monitors for malicious activity and unauthorized behavior to protect your AWS accounts, workloads, and data stored in Amazon S3.

### DDoS Protection

This defense-in-depth strategy also provides specific protections against distributed denial of service (DDoS) threats. Ellucian's AWS-hosted Cloud

Solutions environments are protected by AWS Shield, a managed Distributed Denial of Service (DDoS) protection service. More information can be found at [aws.amazon.com/shield](https://aws.amazon.com/shield).

### Event Monitoring and Alerting

The deployed Security Information and Event Management (SIEM) system captures, indexes, and correlates real-time data to identify potential security threats and events and alert appropriate security and operational personnel.



### **Endpoint Detection and Response**

Ellucian deploys an enterprise best-in-class ESR solution with advanced threat intelligence, real-time monitoring, and proactive threat hunting capabilities.

### **Rapid Response Technology**

With its deployed rapid response technology, Ellucian is able to quickly identify, analyze, and respond to security incidents. This powerful technology strengthens Ellucian's incident response framework, which enhances our strong triage, forensics, and investigative capabilities.

### **File Integrity Monitoring (FIM)**

Ellucian has the capability to implement File Integrity Monitoring for critical files. By monitoring for malicious activity and unattended or unauthorized changes to critical data and configuration, application, and system files, this technology improves Ellucian's incident response capabilities.

### **Immutable Backups**

Backups are stored encrypted and immutable with AWS Backup Vault Lock in AES-256 encrypted volumes.

## **Phishing and stolen or compromised credentials**

were the two most common initial attack vectors.

*IBM Security 'Cost of a Data Breach Report 2023'*

## **14. Access Control**

### **Physical Access**

Access to Ellucian's AWS-hosted Cloud Solutions environments is strictly controlled by Amazon.

Physical access to AWS data centers is strictly managed both at the perimeter and at ingress points, utilizing video surveillance, intrusion detection systems, and other electronic means. Authorized staff must pass two-factor authentication a minimum of

two times to access data center floors. Visitors and contractors are required to present identification and are signed in and continually escorted by authorized staff. AWS only provides data center access to their employees and contractors who have a legitimate business need for such privileges. Neither Ellucian personnel nor its customers will have access to AWS data centers.

### **Application and Environment Access (Customer Role)**

Certain Ellucian applications are designed to work with third-party enterprise identity management systems. This enables customers to adopt a single and unified Campus Identity definition, supporting user provisioning to and from application-based authentication and Single Sign-On (SSO).

Ellucian customers play an essential role in managing access to the Cloud Solutions applications and environments. This flexibility is an integral part of the customer experience when utilizing these services. Customers maintain responsibility for the day-to-day user administration of the software applications.

They manage the designation of users' rights and privileges, determination of password policies, access to specific modules installed, and the timely removal of expired accounts.

As part of their access management, customers are also responsible for the periodic review and timely notification of any needed access changes.

### **Application and Environment Access (Ellucian's Role)**

Ellucian has defined and documented security policies and procedures governing corporate security standards, password parameters, VPN access, and user administration. These are reviewed annually by management.

Privileged access to the Cloud Solutions environments at the network, infrastructure, and application layers is restricted to appropriate Ellucian employees. Access rights are added or modified according to the provisioning method and criteria defined in our Cloud Access Authorization Policy.

Automated processes are in place for the prompt removal of user access upon termination.

Ellucian management performs routine reviews of users with privileged access at the network and infrastructure layers. The results of the review are documented via Ellucian's corporate ticketing solution.

For customer account access to supporting infrastructure systems, a formal request process is in place to create and remove access. Such requests are documented and tracked to completion.

Remote access to any customer Cloud Solutions AWS environment by authorized Ellucian staff requires the use of VPN and multi-factor authentication.

## 15. Secure Environment Design Principles

### Segregated Customer Environments

Ellucian uses secure architecture and advanced secure multi-tenancy technology on customer environments.

Ellucian AWS SaaS offerings are protected utilizing multi-tenant secure design principles, while our Managed Cloud customers are protected inside dedicated Amazon Virtual Private Cloud environments to control network traffic and prevent unauthorized access.

### Customer Authentication Protection

Ellucian Cloud Solutions provide customers with several secure authentication options, including multifactor authentication.

## 16. Encryption

Ellucian maintains a strong encryption standard, aligned with industry standards, that governs use of encryption technology in Ellucian Cloud Solutions offerings and across the company. These encryption methods are regularly evaluated to address and remediate changes to their effectiveness or security.

Advanced application data encryption is also available to Ellucian customers, allowing for the encryption of sensitive application data completely transparent to the application. Available encryption methods are application-dependent.

## 17. Secure Software Development

Ellucian's Application Security Program is committed to the continuous delivery of application features that contain embedded security. Ellucian uses a comprehensive approach to application development through our Secure Software Development Lifecycle (SSDLC) to make security an integral part of the development process.

The SSDLC is the foundation of Ellucian's Product Security Program, which includes static and dynamic analysis security testing to validate applications. In addition to automated tools built into the DevOps pipeline, Ellucian also undergoes third-party manual penetration testing and external scans on a recurring basis to identify potential vulnerabilities. Ellucian also conducts crowdsourced testing through a private bug bounty program where our products are continuously tested by expert ethical hackers, and fully managed by a third party.

Ellucian has enterprise class security platform tooling integrated into its workflows and automation pipelines for continuous security testing throughout the code and build development process for Ellucian applications:

- **Static Application Security Scanning (SAST):** Inspection of source code and binaries for vulnerabilities and potential code flaws. This is performed by both developer plugins and centralized scanning.
- **Dynamic Application Security Testing (DAST):** Simulated attacks and injections that are performed to analyze any potential vulnerabilities on running applications.
- **Software Composition Analysis (SCA):** Checks software, third party dependencies and libraries for potential vulnerabilities within the application.

Ellucian's Secure Software Development Standard and Secure Coding Requirements are derived from Open Web Application Security Project (OWASP) practices, such as the Application Security Verification Standard (ASVS). Developers receive annual secure coding training to support these requirements.

Security vulnerabilities are triaged and remediated according to the Common Vulnerability Scoring System (CVSS), Ellucian's Vulnerability Management Standard, and our Product Defect pipeline.

Additionally, Ellucian has integrated secure development practices, such as secure software design, coding and testing, and industry standard practices for processing and handling sensitive data.

We also value the assistance of security researchers and others in the security community in keeping our systems secure. Ellucian's Responsible Disclosure Policy can be found at [ellucian.com/responsible-disclosure](https://ellucian.com/responsible-disclosure).

## 18. Business Continuity and Disaster Recovery

The Ellucian Disaster Recovery Plan (EDRP) is a living document maintained and updated regularly by various teams within Ellucian. It includes critical disaster recovery (DR) planning assumptions and establishes the Recovery Point Objective (RPO) and Recovery Time Objective (RTO). The EDRP directs business units within Ellucian on procedures for rapid restoration of critical functions within our Cloud Solutions environments.

### Our EDR plan consists of four phases:

#### Phase 1

Disaster assessment and notification procedures

#### Phase 2

Incident and disaster recovery team activation

#### Phase 3

Restore critical operations, customer environment, and regular communication

#### Phase 4

Root cause analysis and mediation plan for the failure

AWS deploys and maintains a minimum of N+1 redundancy throughout the physical infrastructures where Ellucian Cloud Solutions are hosted:

- Networks, storage, servers, generators, power plants, etc.
- Elastic IP addresses for consistent and re-mappable routes
- Multiple regions and EC2 Availability Zones
- Real-time monitoring
- Amazon Elastic Block Storage (EBS) for redundancy across multiple regions and Availability Zones
- Elastic Load Balancing on multiple layers for separation of Web Frontends, Applications, and Databases

## 19. Incident Response

### Threat and Incident Management Program

Ellucian's Threat and Incident Management Program supports U.S. Department of Justice-recommended chain-of-custody processes, including forensic data collection, preservation, and analysis.

### Threat and Incident Response Team

Ellucian's Threat and Incident Response Team (TIRT) is the central reporting point for computer security adverse events, incidents involving personal data, and incidents affecting the Ellucian network infrastructure if determined malicious in nature.

The TIRT will assist Ellucian's Cloud, Legal, Human Resources, Research & Development, Security, Risk & Compliance, and other relevant teams in taking the appropriate actions necessary to contain, mitigate, and resolve information security incidents. The TIRT may assist operational managers in responding to security events.

Ellucian utilizes an industry leader for Incident Response Retainer services to assist quickly and effectively in the event of a cybersecurity incident.

## Threat and Incident Framework

The TIRT Team follows the National Institute of Standards and Technology's recommended Incident Response Life Cycle (Computer Security Incident Handling Guide, NIST SP 800-61):

- Preparation
- Detection and analysis
- Containment, eradication, and recovery
- Post-incident activity

The TIRT code of conduct is based on the CERT Coordination Center's recommendations. The incident type, cause, and/or severity will dictate the action required for resolution.



## 20. Summary

As the leading global provider of higher education software and services, Ellucian partners with colleges and universities to build a more connected, efficient future in the cloud with architecture that is agile, resilient, and designed for an era of rapid change.

Our complete suite of integrated cloud-based applications and services help institutions improve performance and solve key challenges—from recruiting and student success to continuing education and advancement. Ellucian Cloud Solutions are built specifically for higher education and developed to maximize the power and promise of the cloud—including a strengthened information security posture.

Security and availability are top priorities at Ellucian. As a leader in cloud security, Ellucian has built its Cloud Solutions on the reliable and secure backbone of Amazon Web Services' infrastructure. We deliver one-stop access to top-tier data center environments, high-speed Internet connectivity, technical expertise, monitoring, security, backup, and disaster-recovery services.

Ellucian is also aligned with industry standards for securing cloud-based systems and data—from rigorous independent compliance audits, penetration testing, and security reviews to logical and environmental security. Ellucian Cloud Solutions offer valuable processes and features that make strengthened infosec more accessible and affordable for all types and sizes of institutions.

Charting the digital future of higher education with cloud-ready technology solutions and services, Ellucian serves more than 2,900 customers and 22 million students in over 50 countries. To find out what's next in higher education solutions and services, **visit Ellucian at [www.ellucian.com](http://www.ellucian.com)**.