

Report on GitHub, Inc.'s Description of Its Information Technology General Control System for the GitHub Enterprise Cloud service and on the Suitability of the Design and Operating Effectiveness of Its Controls Throughout the Period October 1, 2023 to March 31, 2024

SOC 1® - SOC for Service Organizations: ICFR - Integrated Type 2 Report Prepared in Accordance with the AICPA SSAE No. 18 and IAASB ISAE 3402 Standards





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Section 1 Independent Service Auditor's Report



Independent Service Auditor's Report

To: GitHub, Inc. ("GitHub")

Scope

We have examined GitHub's description of its information technology general control system for the GitHub Enterprise Cloud service throughout the period October 1, 2023 to March 31, 2024 (description), and the suitability of the design and operating effectiveness of the controls included in the description to achieve the related control objectives stated in the description, based on the criteria identified in management of GitHub's assertion. The controls and control objectives included in the description are those that management of GitHub believes are likely to be relevant to user entities' internal control over financial reporting, and the description does not include those aspects of the information technology general control system for the GitHub Enterprise Cloud service that are not likely to be relevant to user entities' internal control over financial reporting.

The description indicates that certain control objectives specified in the description can be achieved only if complementary user entity controls assumed in the design of GitHub's controls are suitably designed and operating effectively, along with related controls at the service organization. Our examination did not extend to such complementary user entity controls, and we have not evaluated the suitability of the design or operating effectiveness of such complementary user entity controls.

GitHub uses subservice organizations for data center colocation and infrastructure hosting services. The description includes only the control objectives and related controls of GitHub and excludes the control objectives and related controls of the subservice organizations. The description also indicates that certain control objectives specified by GitHub can be achieved only if complementary subservice organization controls assumed in the design of GitHub's controls are suitably designed and operating effectively, along with the related controls at GitHub. Our examination did not extend to controls of the subservice organizations, and we have not evaluated the suitability of the design or operating effectiveness of such complementary subservice organization controls.

The information included in Section 5, "Other Information Provided by GitHub, Inc.", is presented by management of GitHub to provide additional information and is not a part of GitHub's description of its information technology general control system for the GitHub Enterprise Cloud service made available to user entities during the period October 1, 2023 to March 31, 2024. Information included in management's response to identified exceptions has not been subjected to the procedures applied in the examination of the description of the information technology general control system for the GitHub Enterprise Cloud service and of the suitability of the design and operating effectiveness of controls to achieve the related control objectives stated in the description of the information technology general control system for the GitHub Enterprise Cloud service and, accordingly, we express no opinion on it.

Service Organization's Responsibilities

In Section 2 of this report, GitHub has provided an assertion about the fairness of the presentation of the description and suitability of the design and operating effectiveness of the controls to achieve the related control objectives stated in the description. GitHub is responsible for preparing the description and assertion, including the completeness, accuracy, and method of presentation of the description and assertion, providing the services covered by the description, specifying the control objectives and stating them in the description, identifying the risks that threaten the achievement of the control objectives,



selecting the criteria stated in the assertion, and designing, implementing, and documenting controls that are suitably designed and operating effectively to achieve the related control objectives stated in the description.

Service Auditor's Responsibilities

Our responsibility is to express an opinion on the fairness of the presentation of the description and on the suitability of the design and operating effectiveness of the controls to achieve the related control objectives stated in the description, based on our examination.

Our examination was conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants and International Standard on Assurance Engagements (ISAE) 3402, Assurance Reports on Controls at a Service Organization, issued by the International Auditing and Assurance Standards Board (IAASB). Those standards require that we plan and perform the examination to obtain reasonable assurance about whether, in all material respects, based on the criteria in management's assertion, the description is fairly presented and the controls were suitably designed and operating effectively to achieve the related control objectives stated in the description throughout the period October 1, 2023 to March 31, 2024. We believe that the evidence we obtained is sufficient and appropriate to provide a reasonable basis for our opinion.

An examination of a description of a service organization's system and the suitability of the design and operating effectiveness of controls involves –

- Performing procedures to obtain evidence about the fairness of the presentation of the description
 and the suitability of the design and operating effectiveness of the controls to achieve the related
 control objectives stated in the description, based on the criteria in management's assertion.
- Assessing the risks that the description is not fairly presented and that the controls were not suitably
 designed or operating effectively to achieve the related control objectives stated in the description.
- Testing the operating effectiveness of those controls that management considers necessary to provide reasonable assurance that the related control objectives stated in the description were achieved.
- Evaluating the overall presentation of the description, suitability of the control objectives stated in the description, and suitability of the criteria specified by the service organization in its assertion.

Service Auditor's Independence and Quality Control

We are required to be independent and to meet our other ethical responsibilities in accordance with relevant ethical requirements in the United States of America relating to the examination engagement. We have complied with those requirements.

We have also applied the Statements on Quality Control Standards established by the AICPA and the International Standards on Quality Management issued by the IAASB and, accordingly, maintain a comprehensive system of quality control.

Inherent Limitations

The description is prepared to meet the common needs of a broad range of user entities and their auditors who audit and report on user entities' financial statements and may not, therefore, include every aspect of the system that each individual user entity may consider important in its own particular environment. Because of their nature, controls at a service organization may not prevent, or detect and correct, all



misstatements in its information technology general control system. Also, the projection to the future of any evaluation of the fairness of the presentation of the description, or conclusions about the suitability of the design or operating effectiveness of the controls to achieve the related control objectives, is subject to the risk that controls at a service organization may become ineffective.

Description of Tests of Controls

The specific controls tested and the nature, timing, and results of those tests are listed in Section 4 of this report.

Opinion

In our opinion, in all material respects, based on the criteria described in management of GitHub's assertion –

- a. The description fairly presents the information technology general control system for the GitHub Enterprise Cloud service that was designed and implemented throughout the period October 1, 2023 to March 31, 2024.
- b. The controls related to the control objectives stated in the description were suitably designed to provide reasonable assurance that the control objectives would be achieved if the controls operated effectively throughout the period October 1, 2023 to March 31, 2024, and subservice organizations and user entities applied the complementary controls assumed in the design of GitHub's controls throughout the period October 1, 2023 to March 31, 2024.
- c. The controls operated effectively to provide reasonable assurance that the control objectives stated in the description were achieved throughout the period October 1, 2023 to March 31, 2024 if complementary subservice organization and user entity controls assumed in the design of GitHub's controls operated effectively throughout the period October 1, 2023 to March 31, 2024.

Restricted Use

This report, including the description of tests of controls and results thereof in Section 4, is intended solely for the information and use of GitHub, user entities of GitHub's information technology general control system for the GitHub Enterprise Cloud service during some or all of the period October 1, 2023 to March 31, 2024, and their auditors who audit and report on such user entities' financial statements or internal control over financial reporting and have a sufficient understanding to consider it, along with other information, including information about controls implemented by user entities themselves, when assessing the risks of material misstatement of user entities' financial statements.

This report is not intended to be, and should not be, used by anyone other than these specified parties. If a report recipient is not a specified party as defined above and has obtained this report, or has access to it, use of this report is the non-specified user's sole responsibility and at the non-specified user's sole and exclusive risk. Non-specified users may not rely on this report and do not acquire any rights against Coalfire Controls, LLC as a result of such access. Further, Coalfire Controls, LLC does not assume any duties or obligations to any non-specified user who obtains this report and/or has access to it.

Greenwood Village, Colorado

Coalfire Controls LLC

July 2, 2024



Section 2

Assertion of the Management of GitHub, Inc.



GitHub

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Assertion of the Management of GitHub, Inc. ("GitHub")

We have prepared the description of GitHub's information technology general control system for the GitHub Enterprise Cloud service throughout the period October 1, 2023 to March 31, 2024 (description) for user entities of the system during some or all of the period October 1, 2023 to March 31, 2024, and their auditors who audit and report on such user entities' financial statements or internal control over financial reporting and have a sufficient understanding to consider it, along with other information, including information about controls implemented by subservice organizations and user entities of the system themselves when assessing the risks of material misstatement of user entities' financial statements.

GitHub uses subservice organizations for data center colocation and infrastructure hosting services. The description includes only the control objectives and related controls of GitHub and excludes the control objectives and related controls of the subservice organizations. The description also indicates that certain control objectives specified in the description can be achieved only if complementary subservice organization controls assumed in the design of our controls are suitably designed and operating effectively, along with the related controls. The description does not extend to controls of the subservice organizations.

The description indicates that certain control objectives specified in the description can be achieved only if complementary user entity controls assumed in the design of GitHub's controls are suitably designed and operating effectively, along with related controls at the service organization. The description does not extend to controls of the user entities.

We confirm, to the best of our knowledge and belief, that:

- 1. The description fairly presents GitHub's information technology general control system made available to user entities of the system during some or all of the period October 1, 2023 to March 31, 2024 as it relates to controls that are likely to be relevant to user entities' internal control over financial reporting. The criteria we used in making this assertion were that the description:
 - a. Presents how the system made available to user entities of the system was designed and implemented including, if applicable:
 - i. The types of services provided.
 - ii. The procedures, within both automated and manual systems, by which requests for those services are provided, including, as appropriate, procedures by which services are initiated, authorized, recorded, processed, corrected as necessary, and transferred to the reports and other information prepared for user entities of the system.
 - iii. How the system captures and addresses significant events and conditions.
 - iv. The process used to prepare reports and other information for user entities.
 - v. The services performed by subservice organizations, and that the carve-out method has been used in relation to them.
 - vi. The specified control objectives and controls designed to achieve those objectives including, as applicable, complementary user entity controls and complementary subservice organization controls assumed in the design of the controls.



- vii. Other aspects of our control environment, risk assessment process, information and communications, control activities, and monitoring activities that are relevant to the services provided.
- b. Includes relevant details of changes to GitHub's information technology general control system during the period covered by the description.
- c. Does not omit or distort information relevant to the system, while acknowledging that the description is prepared to meet the common needs of a broad range of user entities and their user auditors and may not, therefore, include every aspect of GitHub's information technology general control system that each individual user entity of the system and its auditor may consider important in its own particular environment.
- 2. The controls related to the control objectives stated in the description were suitably designed and operating effectively throughout the period October 1, 2023 to March 31, 2024 to achieve those control objectives if subservice organizations and user entities applied the complementary controls assumed in the design of GitHub's controls throughout the period October 1, 2023 to March 31, 2024. The criteria we used in making this assertion were that:
 - a. The risks that threaten the achievement of the control objectives stated in the description have been identified by management of the service organization.
 - b. The controls identified in the description would, if operating effectively, provide reasonable assurance that those risks would not prevent the control objectives stated in the description from being achieved.
 - c. The controls were consistently applied as designed, including whether manual controls were applied by individuals who have the appropriate competence and authority.

GitHub, Inc.



Section 3

Description of GitHub, Inc.'s Information Technology General Control System for the GitHub Enterprise Cloud service Throughout the Period October 1, 2023 to March 31, 2024

Type of Services Provided

GitHub ("the Company") is an independently operated subsidiary of Microsoft and generated its first commit in 2007. It's headquartered in San Francisco, California, with additional offices in Bellevue, WA and Oxford, UK. GitHub currently employs approximately 3,000 employees, with approximately 95 percent of the workforce being remote.

GitHub is a web-based software development platform built on the Git version control software. Primarily used for software code, GitHub offers the distributed version control and source code management functionality of Git with additional features and enhancements. Specifically, it provides access control and several collaboration features including bug tracking, feature requests, task management, GitHub Advanced Security, GitHub Actions, GitHub Teams, pull requests, discussions, issues, pages, projects, docs, and wikis.

GitHub Enterprise Cloud service is GitHub's SaaS solution for collaborative software development. Features of the Enterprise Cloud service include:

Organizations

An organization is a collection of user accounts that owns repositories. Organizations have one or more owners, who have administrative privileges for the organization. When a user creates an organization, it does not have any repositories associated with it. At any time, members of the organization with the Owner role can add new repositories or transfer existing repositories.

Code Hosting

GitHub is one of the largest code hosts in the world, with millions of projects. Private, public, or open source repositories are equipped with tools to host, version, and release code. Unlimited private repositories allow keeping the code in one place, even when using Subversion (SVN) or working with large files using Git Large File Storage (LFS).

Changes can be made to code in precise commits allowing for quick searches on commit messages in the revision history to find a change. In addition, blame view enables users to trace changes and discover how the file, and code base, has evolved.

With sharing, changes can be packaged from a recently closed milestone or finished project into a new release. Users can draft and publish release notes, publish pre-release versions, attach files, and link directly to the latest download.

Code Management

Code review is a critical path to better code, and it's fundamental to how GitHub works. Built-in review tools make code review an essential part of team development workflows.

A pull request (PR) is a living conversation where ideas can be shared, tasks assigned, details discussed, and reviews conducted. Reviews happen faster when GitHub shows a user exactly what has changed. Diffs compare versions of source code side by side, highlighting the parts that are new, edited, or deleted.

PRs also enable clear feedback, review requests, and comments in context with comment threads within the code. Comments may be bundled into one review or in reply to someone else's comments inline as a conversation.

GitHub allows customers to protect important branches by setting branch protection rules, which define whether collaborators can delete or force push to the branch and set requirements for any pushes to the branch, such as passing status checks or a linear commit history. Protected branches allow for better quality code management. Repositories can be configured to require status checks, such as continuous integration tests, reducing both human error and administrative overhead.

Project Management

Project boards allow users to reference every issue and PR in a card, providing a drag-and-droppable snapshot of the work that teams do in a repository. This feature can also function as an agile idea board to capture early ideas that come up as part of a standup or team sync, without polluting the issues.

Issues enable team task tracking, with resources identified and assigned tasks within a team. Issues may be used to track a bug, discuss an idea with an @mention, or start distributing work. Issue and PR assignments to one or more teammates make it clear who is doing what work and what feedback and approvals have been requested.

Milestones can be added to issues or PRs to organize and track progress on groups of issues or PRs in a repository.

Team Management

Building software is as much about managing teams and communities as it is about code. Users set roles and expectations without starting from scratch. Customized common codes of conduct can be created for any project, with pre-written licenses available right from the repository.

GitHub Teams organizes people, provides level-up access with administrative roles, and tunes permissions for nested teams. Discussion threads keep conversations on topic using moderation tools, like issue and pull-request locking, to help teams stay focused on code. For maintaining open source projects, user blocking reduces noise and keeps conversations productive.

Documentation

GitHub allows for documentation to be created and maintained in any repository, and wikis are available to create documentation with version control. Each wiki is its own repository, so every change is versioned and comparable. With a text editor, users can add docs in the text formatting language of choice, such as Textile or GitHub Flavored Markdown.

GitHub Actions

GitHub Actions automates Continuous Integration/ Continuous Delivery (CI/CD) software workflows by enabling the build, test, and deployment of code directly from GitHub, with code reviews, branch management, and issue triaging customized to work the way developers need.

GitHub Actions initiates workflows for events like push, issue creation, or a new release, and actions can be combined and configured for the services used, built, and maintained by the community.

GitHub Actions supports additional options to do things like build containers, deploy web services, or automate notifications to users of open source projects using GitHub developers' existing GITHUB TOKEN in collaboration with other Enterprise Cloud features.

GitHub Advanced Security

GitHub Advanced Security provides features that help improve and maintain the quality and security of code. Code scanning searches for potential security vulnerabilities and coding errors in code using CodeQL or a third-party tool. Secret scanning detects secrets, for example keys and tokens, that have been inadvertently checked into repositories. If push protection is enabled, secret scanning also detects secrets and blocks contributors from pushing them to repositories. Dependency review and Dependabot detect vulnerable versions of dependencies and warn about the associated security vulnerabilities. Alerts from all features can be centrally reported and tracked.

Subservice Organizations

GitHub uses multiple subservice organizations in conjunction with providing its Enterprise Cloud product. GitHub uses Sabey, Quality Technology Services (QTS), CoreSite, and Equinix to provide colocation data center services, and Microsoft Azure (Azure) to provide infrastructure hosting. These subservice organizations are excluded from the scope of this report. The expected controls for which they are responsible are found in a subsequent section titled Complementary Subservice Organization Controls.

Scope of the System Description

The scope of this report includes GitHub's Enterprise Cloud, and the supporting production systems, infrastructure, software, people, procedures, and data. The following Enterprise Cloud features are included in the scope of this report: Issues, PRs, Discussions, Wikis, Pages, Projects, Docs, Audit Logging, GitHub Advanced Security, GitHub Teams, Dependabot, and GitHub Actions.

The system description in this section of the report details GitHub Enterprise Cloud service and its associated features noted above. Any other Company services are not within the scope of this report. The accompanying description includes only the policies, procedures, and control activities at the Company and does not include the policies, procedures, and control activities at any subservice organizations (see below for further discussion of the subservice organizations).

The Components of the System Used to **Provide the Services**

The components that directly support the services provided to customers are described in the subsections below.

Infrastructure

The Company utilizes Microsoft Azure and GitHub-managed colocation data centers to provide the resources to host GitHub Enterprise Cloud service. The Company leverages the experience and resources of Microsoft Azure to scale quickly and securely as necessary to meet current and future demand. However, the Company is responsible for designing and configuring the GitHub Enterprise Cloud service architecture within Microsoft Azure and GitHub-managed colocation data centers to ensure security and resiliency requirements are met.

The in-scope hosted infrastructure also consists of multiple supporting tools, as shown in the table below:

Infrastructure				
Production Tool	Business Function	Operating System	Hosted Location	
Databases	Databases Issue contents, other structured data		Azure and GitHub Colocation Data Centers	
Git Storage	Storing repo contents	MySQL	Colocation Data Centers	
Border/Edge Routers GitHub load balancers, application layer proxies, and firewalls are the systems that connect to the internet. These routers, application proxies, and firewalls are the first line of defense in protecting the system.		Juniper JUNOS / Azure VMs	Azure and GitHub Colocation Data Centers	
Bastion Hosts SSH privileged access management		Ubuntu	Azure and GitHub Colocation Data Centers	
Production Hosts Production compute necessary to provide the services of GitHub Enterprise Cloud service		Ubuntu	Azure and GitHub Colocation Data Centers	
CoreSite, Sabey, GitHub Colocation Data Center providers		N/A	Various locations	

Software

Software consists of the programs and software that support GitHub Enterprise Cloud service (operating systems [OSs], middleware, and utilities). The list of software and ancillary software used to build, support, secure, maintain, and monitor GitHub Enterprise Cloud service include the following applications, as shown in the table below:

Software		
Production Application	Business Function	
Ansible	Network architecture configuration and management	
Datadog	Application and infrastructure monitoring	
GitHub Actions	CI/CD	
GitHub Advanced Security	Dependency Management, Static Code Analysis, Secret Scanning	
Jamf Pro	Endpoint management and security	
gPanel	In-house developed tool for data center asset inventory and management	
Microsoft Defender	Endpoint security	
MySQL	Account and license storage	

Software Sof		
Production Application	Business Function	
Okta	Single Sign-On (SSO) configuration management	
Oomnitza	Endpoint inventory and management	
Puppet	Infrastructure Configuration Management	
RunZero	Cloud asset inventory	
Slack	ChatOps and daily work communications	
Splunk	Security information and event management (SIEM), logging system, intrusion detection	
Tenable	Vulnerability scanning	
Terraform	Infrastructure Configuration Management	
Ubuntu	OS Baseline	
ZenDesk	Customer Support	

People

The Company develops, manages, and secures GitHub Enterprise Cloud service via separate departments. The responsibilities of these departments are defined in the following table:

People People			
Group/Role Name	Function		
Customer Support	Responsible for providing technical and account-related support to GitHub Enterprise Cloud service customers and for resolving customer issues via email, chat, social media, and phone from developers and customer entities around the globe.		
Engineering	Responsible for working with the Product team to plan and coordinate releases, and accountable for building, testing, and deploying GitHub Enterprise Cloud service code and feature changes.		
	Responsible for maintaining service availability, including performance and scale monitoring and reporting, incident command, and on-call readiness for any production issues. Responsible for configuration management, building, testing, and deploying software relevant to the operation and management of production assets, patching and remediation of vulnerabilities reported by the Security team, and data center operations management. Responsible for managing Git and database storage backups and restores.		
Legal	Responsible for negotiating contractual obligations with third parties and technology partners/suppliers, legal terms and conditions, and ensuring compliance with internal contractual standards.		
People Operations	Responsible for talent acquisition, diversity and inclusion, learning and development, and employee engagement on everything from benefits and perks to career development and growth.		

People		
Group/Role Name	Function	
Privacy	Responsible for determining which privacy laws and regulations apply to GitHub and determining the best way to comply with them, ultimately ensuring GitHub can offer its products to every developer anywhere in the world.	
Product Management	Responsible for understanding customer requirements, collecting, defining, and clarifying feature requests and development efforts, and managing feature rollouts and related customer communication efforts.	
Security	Responsible for ensuring the security of GitHub products. Security consists of multiple teams with specific missions: Threat Hunting Operations and Response Incident Response (THORIR), Product Security Incident Response Team (PSIRT), Security Lab, Security Operations, Secure Access Engineering, Security Telemetry, Vulnerability Management, Cloud and Enterprise Security, and Governance, Risk, Compliance, and Communication (GRCC). These teams manage security incident detection and response, monitoring, vulnerability scanning, network and application layer penetration testing, security architecture, security engineering and operations, access management, endpoint asset management, and risk and compliance oversight.	
Senior Leadership	Responsible for the overall governance of GitHub. This group includes the Chief Executive Officer (CEO), Head of Finance, Chief Revenue Officer (CRO), Chief Security Officer (CSO), Chief Human Resource Officer (CHRO), Head of Design, Chief Operations Officer, Chief of Staff, Vice President, Senior Vice President of Engineering, Chief Legal Officer, and Vice President of Communities.	

Policies, Standards, and Procedures

GitHub maintains Policies, Standards, and Procedures necessary to securely operate GitHub Enterprise Cloud service. Policies and Standards are centrally managed in The Hub, GitHub's centralized internal communication platform. The Hub is backed by a repository, which is used to implement annual reviews and control changes to Policies and Standards. Once a change has been approved by the owner of the Policy or Standard, it is automatically updated on The Hub. Procedures are developed and documented within the GitHub repositories maintained by every team to provide end-user documentation and guidance on the multitude of operational functions performed daily by GitHub security and product engineers, developers, administrators, and support personnel. These procedures are drafted in alignment with the overall Policies and Standards and are updated as necessary to reflect changes in the business.

GitHub Policies and Standards establish controls to enable security, efficiency, availability, and quality of service. The GitHub Information Security and Privacy Management System (ISPMS) Policy and related policies define information security practices, roles, and responsibilities. The ISPMS outlines the security roles and responsibilities for the organization and expectations for employees, contractors, and third parties utilizing GitHub systems or data.

This overarching security policy is supported by several dependent security policies, standards, and procedures applicable to the operation and management of security across the organization. Securityrelated policies, standards, and procedures are documented and made available to individuals responsible for their implementation and compliance.

Below is the current inventory of security and audit-related policies and standards that inform procedures operating in support of the GitHub ISPMS Policy objectives:

Procedures		
Policy	Associated Standards and Procedures	
GitHub ISPMS	No Associated Standards or Procedures	
GitHub ISPMS Scope	No Associated Standards or Procedures	
GitHub ISPMS Statement of Applicability (SOA)	 ChatOps Command Security and Risk Standard Controls Monitoring Standard Controls Monitoring SOP Data Classification Standard Domain Management Standard Endpoint Security Standard Enterprise Administration Standard External File Sharing Standard Git Systems Server Site Failure plan High-Risk Application Access Standard Organization Administration Standard Production VPN Access Standard Repository Security Baseline Configuration Standard Reviewing Pull Requests Server Operating System Standard 	
Corporate Data Retention Policy	 Audit Video Retention Standard Corporate Data Retention Standard Product Telemetry Data Retention Standard Slack Retention Standard 	
Contractor Termination Policy	No Associated Standards or Procedures	
Full Time Employee Termination Policy	No Associated Standards or Procedures	
Identity and Access Management Policy Physical and Environmental Protection Policy	Identity and Access Management Standard IAM Onboarding SOP IAM Entitlements SOP IAM Privileged Systems and Elevated Access SOP Granting Slack Access to Contractors and Consultants SOP IAM Non-Human Accounts in Okta IAM Offboarding SOP IAM On-Leave SOP Production Datacenter Standard	
Protection Policy	 Datacenter Physical Access SOP Production Media Destruction SOP Datacenter Access compliance guidelines 	
Privacy Statement	No Associated Standards or Procedures	

Procedures Procedures Procedures			
Policy	Associated Standards and Procedures		
Private Information Removal Policy - External Customer Facing Policy	No Associated Standards or Procedures		
Secure Coding Policy Security Awareness and Privacy	Secure Coding Standard • Secure Coding - Dotcom • Secure Coding - General Guidance • Security Requirements for New Applications Security Awareness Training Standard		
Training Policy Security Event Logging and Monitoring Policy	Security Event Logging Standard Security Event Logging SOP Security Event Monitoring and Alerting Standard		
Security Incident Response and Data Breach Notification Policy	 Data Breach Notification Standard Security Incident Response Standard Security Incident Response Procedure Data Breach Notification Procedure Security Concern Reporting Procedure 		
Security Policy Exception Policy	No Associated Standards or Procedures		
Security Risk Management Policy	 Security-GRCC Vendor Risk Assessment Process Security Risk Reporting - Standard Operating Procedure 		
System and Services Acquisition Policy	 Vendor Security Standard Purchasing Workflow Vendor Security Reviews SOP Procurement Workflow Vendor Off-boarding Checklist Decommissioning a GitHub-Owned App Vendor Offboarding SOP Encryption Standard 		
Vulnerability Management Policy	 Container Hardening Standard Exception Handling Process Vulnerability Management Process Checklist for Docker Baseline Security Database Hardening Standard OS Hardening Standard Patch Management Standard FedRAMP Vulnerability Reporting Standard FedRAMP Annual Vulnerability Exception Review FedRAMP Monthly Vulnerability Management Reporting Procedure 		
Background Checks Policy	No Associated Standards or Procedures		
IT Asset Management Policy	No Associated Standards or Procedures		
Network Policy	No Associated Standards or Procedures		

Procedures Procedures Procedures		
Policy	Associated Standards and Procedures	
Resilience Program Policy	Resiliency Standard	
Security Document Management Policy	Security Document Management Standard	

Data

Data refers to transaction streams, files, data stores, tables, and output used or processed by the Company. GitHub uses repository data to connect users to relevant tools, people, projects, and information. Repositories are categorized as either public, private, or open source. Public repositories can be viewed by anyone, including people who are not GitHub users. Private repositories are only visible to the repository owner and collaborators that the owner specified. GitHub aggregates metadata and parses content patterns to deliver generalized insights within the product. It uses data from public repositories, and uses metadata and aggregate data from private repositories when a repository's owner has chosen to share the data with GitHub through an opt-in.

If a private repository is opted in for data use to take advantage of any of the capabilities of the security and analysis features, then GitHub will perform a read-only analysis of that specific private repository's git contents. If a private repository is not opted in for data use, its private data, source code, or trade secrets are classified internally as restricted, and they are maintained as confidential and private consistent with GitHub's Terms of Service.

Customer data is managed, processed, and stored in accordance with relevant data protection and other regulations and with specific requirements formally established in client contracts.

The Company has deployed secure methods and protocols for transmission of confidential or sensitive information over public networks.

The following table details the types of data contained in the production application for GitHub Enterprise Cloud service:

Data Control of the C			
Production Application	Description	Data Store	
GitHub Enterprise Cloud service	GitHub stores data related to customer repositories, including but not limited to code, file content and diffs of content, issues, commits, comments, uploaded files, build logs for private repos, pages, discussions, etc.	Git Storage, MySQL	
GitHub Advanced Security	GitHub stores data related to Advanced Security features, including but not limited to Dependabot alerts, Secret Scanning results, and CodeQL results.	MySQL	
GitHub Actions	GitHub stores data related to Actions features, including but not limited to customer-provided runner images, Actions configurations, and runner logs and output.	MySQL	

Data			
Production Application	Production Application Description		
Telemetry Data	Telemetry data is gathered via Datadog and Splunk by GitHub to facilitate the logging and monitoring of GHEC services. The Company logs information about customers and their users, including Internet Protocol (IP) address. These records may be used to assist in detecting security violations, performance problems, and flaws in applications.	SIEM services	
Authentication / License Data	GitHub manages authentication services and associated data that authenticate customer users (or manage the delegation of authentication to Customer Identity Providers).	MySQL	

Significant Events and Conditions

There were no identified significant system incidents that (a) were the result of controls that were not suitably designed or operating effectively to achieve one or more of the service commitments and system requirements or (b) otherwise resulted in a significant failure in the achievement of one or more of those service commitments and system requirements from October 1, 2023 to March 31, 2024.

Relevant Aspects of the Control Environment, Information and Communication, Risk Assessment, Monitoring and Control Activities

The five interrelated components of internal control at GitHub include:

- <u>Control Environment</u> sets the tone of an organization, influencing the control consciousness of its people. It is the foundation for all other components of internal control, providing discipline and structure.
- <u>Information and Communication</u> are systems, both automated and manual, that support the identification, capture, and exchange of information in a form and time frame that enable people to carry out their responsibilities.
- <u>Risk Assessment</u> is the entity's identification and analysis of relevant risks to the achievement of its objectives, forming a basis for determining how the risks can be managed.
- Monitoring is a process that assesses the quality of internal control performance over time.
- <u>Control Activities</u> are the policies and procedures that help make sure that management's directives are carried out.

GitHub's internal control components include controls that may have a pervasive effect on the organization, an effect on specific processes, account balances, disclosures, classes of transactions or applications, or both. Some of the components of internal control include controls that have more of an effect at the entity level, while other components include controls that are primarily related to specific processes or applications. When assessing internal control, GitHub considers the interrelationships among the five components.

Control Environment

Integrity and Ethical Values

The internal control environment reflects the overall attitude, awareness, and actions of executive management and other stakeholders concerning the importance of controls and the emphasis given to controls in the Company's policies, procedures, methods, and organizational structure.

Management is responsible for directing and controlling operations and for establishing, communicating, and monitoring policies and procedures. Maintaining sound internal controls and establishing the integrity and ethical values of personnel is a critical management function.

During the onboarding process, new employees complete security and privacy awareness training and review and acknowledge the employee guide to company policies and practices, the Hubber Handbook. The Handbook includes the GitHub Standard of Conduct, Security Policy Awareness and Responsibilities, and other information security topics. An annual Standard of Business Conduct training occurs that is mandatory for all employees and contractors. This training covers key policies, describes how to report issues, and emphasizes the importance of ethical behavior. Each employee and contractor must attest to the completion of the training. Any ethical issue reported is investigated and appropriate action is taken up to the termination of employment.

Board of Directors

As a wholly owned Microsoft subsidiary, GitHub management directs the strategy and operations of the business but is accountable to Microsoft's management and reporting structures, including the Microsoft Board of Directors. GitHub does not have a separate Board of Directors. The GitHub CEO, Thomas Dohmke, meets with leaders within Microsoft regularly (bimonthly, monthly, and quarterly) and GitHub is ultimately reported on to Microsoft's Board of Directors through processes within Microsoft. GitHub relies on these Microsoft processes.

Organizational Structure

GitHub's organizational structure provides the framework within which its activities for achieving company-wide objectives and key results are defined, planned, sponsored, executed, controlled, and monitored. Management believes that establishing a relevant organizational structure includes considering key areas of authority and responsibility and lines of reporting. Senior leadership sets company-wide objectives and key results and reports on and reviews progress towards meeting those objectives semiannually.

GitHub has established appropriate lines of reporting considering the nature, size, and culture of the Company. People Operations maintains an organizational chart that outlines security responsibilities across the Company. The organizational chart is available for employees both on GitHub's intranet and internal human resource information system (HRIS) and is updated through automation. Management continues to evaluate its organizational structure and makes changes as necessary. Hubber responsibilities are communicated through documented job descriptions which are maintained by GitHub.

GitHub's organizational structure is designed to meet the Company's security commitments and requirements to customers. GitHub's Senior Leadership team, specifically those reporting to the CEO, provide direction and oversight, and includes members who are independent from control operations. In addition, management is responsible for establishing, communicating, and monitoring policies and procedures as well as aligning operations with leadership's defined objectives and key results.

When leadership changes occur within the organization, the Security team is notified where there may be a compliance impact. New incoming leadership is announced to the organization on the Company intranet, and in regular all-hands meetings.

The Security team, headed by the CSO and SVP of Engineering, is responsible for monitoring and enhancing GitHub's overall security posture. This function includes managing security risks and threats, educating employees on security-related best practices, building security awareness, responding to security incidents, and performing internal security audits and security reviews. Security leadership considers out-of-band changes based on newly identified risk findings or service changes and addresses such changes as deemed appropriate.

Security leadership is also accountable for planning and staffing appropriately to address risk remediation and mitigation as identified in prescribed risk monitoring activities. Security leadership reviews these components as part of an annual headcount and budgeting process.

Management's Philosophy and Operating Style

Management across the Company is accountable for ensuring necessary policy, standards, and standard operating procedures aid in assessing and addressing operational risks. These owners review and update these policy-related documents at least annually, to reflect changes and help ensure completeness and accuracy, based upon the annual risk assessment, strategic business initiatives driven by leadership, and other events that dictate changes. Security leadership reviews and approves the materials and any changes on an annual basis.

The Security team administers security awareness training to personnel during their new hire onboarding, and on an annual basis thereafter. The Security team follows up with employees who are delinquent in completing the training until these employees are compliant. Moreover, periodic security awareness notifications are sent to employees as needed, highlighting new controls, or warning them of known threats.

Authority and Responsibility

All layers of GitHub management are accountable for managing objectives and key results and established policies and standards. Managers are expected to engage with the Security and Legal organizations in appropriate work, decision making and response to reduce risk to the Company, customers, users, and employee data. They are responsible for day-to-day oversight of employees and nonemployees on obligations to ensure compliance with security, privacy, and risk management requirements.

Employees are accountable for understanding their individual responsibilities as outlined in the Hubber Handbook and are individually responsible for designing tools and features in a secure manner, and ensuring issues and findings they identify that impact security are raised to the appropriate Management contact or directly to the Security organization. Individuals are also accountable for executing their work with a security-first mindset, ensuring compliance with the organization's security policies, standards, and procedures, regardless of level and role.

Non-employees, including Contingent Workers, Contractors, and Vendors are accountable for understanding and upholding the contractual obligations to GitHub for data protection, and to comply with Management oversight provided to ensure understanding of those obligations.

The Chief Security Officer (CSO) is responsible for the overall security posture, programs, and capabilities within GitHub. The CSO works with members of GitHub's leadership team and management, product management and engineering, business and system owners, and users to develop and implement prudent security services, policies, procedures, and controls, subject to the approval of leadership at GitHub.

The Deputy Chief Security officer reports to the CSO and is responsible for many of the day-to-day operations of the Security organizations and acts in the CSO's place when they are unavailable or as appropriately delegated.

Specific responsibilities of GitHub Security leadership include, but is not limited to:

- Ensuring security policies, standards, and procedures are in place and understood by Hubbers.
- Providing basic security direction and support for all systems and users.
- Advising software and product design and engineering, corporate systems development, and business owners in the implementation of security controls from the point of system design, through testing, implementation, and decommissioning.
- Educating employees at onboarding about security controls and processes relevant to GitHub.
- Providing on-going employee security skills and awareness education.
- Performing and facilitating product security audits.
- Reporting regularly to GitHub leadership on GitHub's status regarding information security.

Human Resources

GitHub People Operations is responsible for the GitHub employee lifecycle.

GitHub evaluates candidates' abilities in the interview process against established job descriptions. Fit to the role is scored, tracked, and approved by the hiring manager in GitHub's recruitment management system.

To be employed by GitHub, candidates must successfully complete a background check. The background check is initiated after the candidate signs the offer letter. Employees are not allowed to onboard until the background check is cleared. The Talent Coordinator is notified once a candidate clears, which is then relayed to the hiring manager. In instances where negative or incomplete information is obtained, the VP of Global Talent Acquisition, or a delegate, assesses, in consultation with Legal, the potential risk and liabilities related to the job's requirements and makes a final decision on the hire. Before any adverse action is taken based on a background check, GitHub provides the applicant with a notice that includes an opportunity to respond or clarify any discrepancies. If GitHub does not hire a candidate based on the results of a background check, GitHub provides the candidate with an adverse-action notice and informs them of their rights to see the information reported and to correct inaccurate information.

New employees undergo a company orientation session, at which time they are provisioned with a company-issued laptop and their GitHub organization and relevant system credentials as commensurate with their new role. During orientation, new employees are introduced to the roles of Security, Security GRCC, and data protection in GitHub. In addition to attending orientation, new employees are required to complete security and privacy awareness training within forty-five days of joining GitHub.

GitHub requires that management and peers evaluate and provide feedback to employees annually in accordance with a process led by People Operations.

People Operations is responsible for the processes associated with Hubbers leaving the Company. When Hubbers leave the Company, People Operations notifies the appropriate parties within GitHub to ensure that property is collected, and accounts are terminated within twenty-four hours of their departure.

Information and Communication

To help align GitHub business strategies and goals with operating performance, management is committed to maintaining effective communication with employees and customers.

Internal Communications

GitHub has published policies and procedures, both included in the Hubber Handbook and published separately, outlining the responsibility of employees to report security and operational failures, incidents, system problems, and complaints. The document owner(s) and Security leadership review and approve security policies and procedures annually. Significant changes to policies result in communication to personnel regarding policy updates. Policies and Standards are available on The Hub, GitHub's centralized internal communications platform.

Every Hubber, depending on their role, is responsible for designing and executing work and services in a secure manner in alignment with company standards and policies, and for reporting issues and findings that impact security up their management chain or directly to the Security team. GitHub's employee handbook contains ethics expectations for Hubbers, including compliance with Microsoft's Standards of Business Conduct, instructions for reporting ethics and integrity concerns to Microsoft (including anonymous channels), and details of GitHub's policies against retaliation for reporting concerns.

External Communications

GitHub communicates the description of GitHub Enterprise Cloud service systems, features, responsibilities, customer commitments, and instructions to report incidents and complaints using the external website (https://github.blog/). The blog maintains a changelog, which is a chronological list of information on customer-facing feature changes, bug fixes, or security notifications made available to end users. GitHub's changelog is live on the blog site (https://github.blog/changelog/) and available for RSS feed subscription. It is also accessible via GitHub's changelog X (formerly known as Twitter) account (@GHchangelog).

GitHub Enterprise Cloud service users have access to support resources at GitHub Support (https://support.github.com/) and GitHub Docs (https://docs.github.com/).

Customer commitments and responsibilities are communicated through GitHub's Terms of Service (https://docs.github.com/en/site-policy/github-terms/github-terms-of-service) as well as in contracts. The Terms of Service includes GitHub's Acceptable Use Policy, which provides the basic rules customers are required to follow as members of the community on the GitHub Enterprise Cloud service product.

The user community can communicate directly with GitHub. GitHub Support receives reports of security issues and many other end-user concerns and questions via email or through the 'Contact Us' web form. A ticketing system is used to document and track these issues to resolution.

Risk Assessment and Mitigation

GitHub recognizes that risk management is a critical component of its operations and contributes to ensuring customer data is properly protected. GitHub incorporates risk management throughout its business processes and across the organization. The foundation of this process is management's knowledge of its operations, its close working relationship with its customers and vendors, and its understanding of the space in which it operates.

The Security GRCC team is embedded within the larger Security team. This team monitors GitHub's internal controls and conducts risk monitoring in accordance with relevant regulatory and contractual compliance requirements. This responsibility includes managing the design, implementation, and monitoring of the GitHub Enterprise Cloud service control environment, as well as assessing, monitoring, and mitigating security, fraud, and compliance risks.

Vendor Management

To initiate a vendor relationship, the Legal and Procurement teams negotiate and manage the vendor contract clauses and additional data protection agreements with vendors who process or store GitHub data, customer data, or employee data, as well as systems that connect to GitHub systems.

The Security GRCC team manages the vendor security risk assessment process. GitHub maintains operational processes to assess security risk considerations related to vendors. These vendors are required to undergo an initial security risk assessment prior to contracting with GitHub. Those vendors who do not meet GitHub's baseline security requirements in alignment with their defined business use case do not move forward for procurement.

The Security GRCC team maintains an inventory of approved vendors, and reviews vendor security risk assessments every two years, or upon expansion or changes to the contracted service offering. Vendors deemed high risk, such as data center providers or other vendors storing or processing data in scope for GitHub's regulatory or contractual requirements, undergo reassessment annually.

Risk Identification and Treatment

GitHub has defined risk management processes to identify and manage risks that may affect the system's security. At least annually, Security GRCC performs a risk assessment to identify, track, and treat technical risks related to the product and reports risks to GitHub leadership. Risks identified are documented in a GitHub repository where the risks and mitigation actions are tracked to resolution.

Risk Reporting

Summary reporting on security risk areas is included in annual leadership reporting as part of the annual security risk assessment. GitHub's Senior Leadership team as well as extended leadership teams across Security, Engineering, IT, Business Systems, Legal, and Privacy review this annual risk report.

Control activities have been established to help ensure key processes operate as intended. These activities are integrated into the policies, standards, and procedures outlined in the Procedures section above.

Vendor Inventory

A vendor inventory is generated each quarter as part of regulatory reporting for other compliance requirements. The Security GRCC team generates this inventory using automated tools.

Vulnerability Management

The GitHub Vulnerability Management Program monitors and interrogates public-facing and internal infrastructure to identify systems that are vulnerable to known exploits, configured in ways that unnecessarily increase risk of compromise, or have software installed which is known to be insecure. The program develops and maintains scanning coverage across all hosting platforms, providers, and networks. Vulnerability scanning is executed monthly, with findings prioritized for remediation based on risk, technology dependencies, and exposure.

GitHub has a published internal standard based on the Common Vulnerability Scoring System (CVSS) levels for vulnerability management (critical, high, medium, and low) as reported by GitHub's vulnerability scanning and reporting system. GitHub's Vulnerability Management team uses the CVSS score for initial vulnerability assessment and then conducts an impact analysis that takes into consideration the specifics of GitHub's infrastructure. When a credible and actionable vulnerability is identified, the Vulnerability Management team provides the system owner with a description of the perceived impact of the vulnerability and the required timetable for resolution/mitigation. Vulnerabilities that cannot be remediated within the required Service Level Agreement (SLA) are handled via the documented exception process.

GitHub Product Security Engineering, Vulnerability Management Engineering, and Infrastructure teams triage vulnerabilities from vendors and internal and external scanning, and patch those vulnerabilities based on risk and exposure. GitHub prefers to run "known good" software that has been tested and operated in production. Preference is given to running the most stable release of software possible. Patches are not generally applied for the objective of running the latest or "bleeding-edge" version of any package.

Patching occurs to address security fixes, bug-fixes, performance issues, and to accommodate new features. Patches are applied through a combination of automated and manual processes. Linux servers automatically install most security patches via an unattended upgrade process that is orchestrated by GitHub's configuration management system.

In addition to the production network vulnerability assessments, the GitHub Product Security Engineering team provides application security services to the Engineering teams. These services include secure architecture and code review, developing and maintaining internal automated security testing, and secure code training.

Bug Bounty

The Bug Bounty team manages the GitHub Security Bug Bounty program, hosted on HackerOne. Members of the GitHub and security research community are encouraged to submit vulnerabilities through the program. The on-call security resource monitors the submissions and triages accordingly. If a bug is deemed to be legitimate, Security informs the relevant engineers, and the bug is tracked in GitHub issues to resolution. The Bug Bounty team issues bounty rewards for significant finds that lead to security improvements to the platform.

Penetration Testing

GitHub engages with a third-party security vendor to execute penetration and application security testing annually. The scope of this testing varies from year to year to focus on areas assessed as presenting significant risk, such as new features or services. Results are triaged and the risks reported are assessed against internal environmental considerations. Where remediation is required, solutions are identified and assigned to the relevant engineering teams for resolution with appropriate prioritization. Upon remediation, the fixes performed are shared with the contracted vendor to confirm successful remediation. A customerfacing report of the annual security testing is available to clients under mutual non-disclosure agreements.

Monitoring

The Security GRCC team at GitHub is responsible for monitoring the internal control environment for each of the compliance frameworks adopted by GitHub.

Internal Control Reviews

The Security GRCC team conducts internal control assessments annually to assess the effectiveness of the internal control environment. Control assessment results are formally documented and retained. Issues are identified and escalated to the relevant internal teams to resolve control design or effectiveness issues, and the status of the operating effectiveness of controls, identified gaps, and remediation efforts are reported to the Senior Leadership team for awareness on a quarterly basis. Additionally, an "Internal" ISO audit is conducted each year; because GitHub does not have its own independent audit function, this audit is performed by a certified ISO audit firm, and results are reported to management in accordance with audit processes.

Microsoft maintains an independent internal audit function, Microsoft Internal Audit (MSIA), that assesses GitHub as required by the Audit Committee of the Microsoft Board of Directors. Results of MSIA

engagements are reported to GitHub management, as well as the Audit Committee of the Microsoft Board of Directors, in accordance with audit processes.

Control Activities

Logical Access

GitHub Enterprise Cloud service Employee Access

GitHub has implemented access protection measures to only allow authenticated and authorized users access to the portions of GitHub's instance of Enterprise Cloud that are not explicitly public. Access to GitHub's instance of GitHub Enterprise Cloud service requires a valid and unique account ID, password, and two-factor authentication (2FA). GitHub integrates with a third-party, SSO provider that enforces two-factor authentication using phishing-resistant authenticators.

Access to internal systems is restricted through unique account IDs ("handles"), password, and 2FA. To access these environments, GitHub users leverage the same GitHub handles as Enterprise Cloud. Employees are prohibited by policy from using shared accounts or credentials when accessing GitHub internal systems. Exceptions to the policy are documented in the exceptions policy. Employee access to GitHub Enterprise Cloud service production systems is restricted to authorized personnel with demonstrated need and isolated from the Internet by virtual private network (VPN), bastion hosts, and/or a security assertion markup language (SAML) solution enforcing Hypertext Transfer Protocol Secure (HTTPS) reverse proxy. GitHub uses secure shell protocol (SSH) to authenticate to back-end production resources through a bastion host. VPN and bastion hosts are configured to require user connections to reauthenticate after 24 hours of inactivity.

Employee access to production infrastructure must be approved by designated personnel before access is granted, and that approval must be renewed during periodic access reviews. Server and database administrative privileges are restricted to the respective system owners. Individual users, teams, and managers request and manage access via the GitHub Entitlements system. The Secure Access Engineering team has the ultimate responsibility for maintaining the Entitlements system, but the access grants and review flow are the responsibility of the user(s) requesting access and their manager.

GitHub Enterprise Cloud Customer Access

Authentication to GitHub Enterprise Cloud service requires a unique account and password. If elected, customers can also enable 2FA for their organization through Enterprise Cloud settings or integrate with their Identity Provider via SSO. Audit logging is also available to allow organization administrators to quickly review actions performed by users. This log includes details such as who performed the action, what the action was, and when it was performed. Where a repository is configured as private, Enterprise Cloud is designed to limit access to data and settings to the user who created the repository or who has been explicitly granted access.

GitHub file servers are obfuscated from front-end applications, where each Git operation, such as read, commit, or push in a repository is directed through GitHub's authentication pathway using service handlers. Requests terminate at the Git proxy servers where GitAuth, the service handler endpoint, is executed to perform authentication and repository permission checks.

GitAuth checks whether the requested repository is active or disabled, is public or private, and checks the user permissions and authentication information (e.g., anonymous user for public only access, username and password, OAuth token, or SSH keys). If the service provides a successful response for the authentication and permission check, GitAuth returns the routing information for access to the file server host where the repository can be found. If the response is denied, the request returns a 404 error.

Network Security

GitHub's network security is enforced through several process and configuration controls to protect against unauthorized access and help ensure security of data in transit. Both stateless and stateful network firewalls restrict external points of connectivity and prevent unauthorized traffic from beyond the system boundary.

Access to production systems is brokered through security gateway systems at the production network perimeter. Three technologies provide access: VPN, bastion host, and SAML enforcing HTTPS reverse proxy.

Each of these remote access mechanisms require multiple factors for authentication and employ strong encryption in transit. Employees are provided access to production systems based on their role within the organization. Access is granted through the GitHub Entitlements system, which updates the internal Lightweight Directory Access Protocol (LDAP) store with the correct authorization rights for the user.

Access to machine accounts is limited and activity is logged and audited. Access to production systems requires the use of an authorized SSH key with 2FA enabled.

GitHub personnel can only elevate privileges for their account and run commands with sudo if they are members of the correct Entitlements group, which is strictly controlled and reviewed. Any of these actions, including elevating to root require using the sudo command and are logged in the security information and event management (SIEM) tool. Alerting is configured to detect unusual or unauthorized activity and, when triggered, response is executed in accordance with the standard procedures defined within the PSIRT's monitoring, detection, and response program. As needed, based on the frequency and type of activity detected, the PSIRT identifies process improvements to reduce human interactions directly with production servers.

Encryption

GitHub Enterprise Cloud service traffic is encrypted in transit over the public internet. Transmissions via Transport Layer Security (TLS) require a minimum of 2048-bit certificate keys, and GitHub uses TLSv1.2 and above to encrypt data during transit.

Internal User Provisioning

New employee permissions are added during the onboarding process based on predefined permissions granted to individuals based on their team and their role within that team. The user's manager and the Security Operations team review and approve any additional privileges granted outside of those provisioned as part of their role. GitHub's internal systems are configured to automatically provision non-role-based entitlements only after the user's manager and Security Operations reviews and approves the access request.

During onboarding, GitHub IT guides employees through configuring their account setup, 2FA, and secondary mobile device authentication tools for GitHub's SSO provider, and the GitHub organization. Users are locked out of internal resources until remediated if they are found to not have required security settings enabled in accordance with requirements.

The Security Operations team is responsible for operating periodic access tooling for sensitive systems. Security Operations identifies systems and elevated access that pose significant risk to the organization. Specifically, these systems include production, security management tools, user access tools, and vulnerability management tools. Managers review, approve, and accept the risk for their user's logical access to critical production and access gateway systems semi-annually. The reviews allow the manager to provide attestation that the level of access is appropriate and required for the job. User access levels

remaining after changes from the review are authorized by management, or removed if approval is not granted within seven days.

The Infrastructure team reviews physical data center access annually. Accounts belonging to unapproved individuals are removed.

THOR builds automated monitors of user access events to identify anomalous user access activity. The PSIRT team investigates detections, and if PSIRT concludes the activity is potentially malicious, the account is locked to reduce risk of unauthorized access and incident response procedures are initiated.

Deprovisioning occurs within 24 hours of a user's termination. An offboarding notification to Security Operations is pulled from Workday, where HR updates employee termination dates, for both planned and unplanned exits. The Security Operations team monitors the automation system for errors and can manually trigger offboardings when required.

The timeframe for completing access removals for corporate and production network resources, and physical access is within 24 hours of notification of the termination. High-risk access is deprovisioned first, sometimes manually at the time of termination, to ensure a terminated employee can no longer access GitHub's sensitive internal resources.

System Operations

System Monitoring

THOR actively instruments and monitors a wide variety of data logging and telemetry sources across the organization. Production systems and corporate infrastructure transmitting, processing, or storing GitHub data are configured to generate and transmit security event logs. These include:

Enterprise – system monitoring, audit logs, application logs, and network telemetry

Corporate – endpoint system, network telemetry, cloud service, and application logs

These logs are actively monitored for a variety of known security issues, nefarious activity, malicious indicators, privileged actions, unauthorized access, and other anomalous activity. GitHub maintains a comprehensive security detection framework that governs how threat and anomaly detection is performed.

Detection alerts are generated by a variety of systems including log query tools, network or endpoint monitoring systems, or orchestration tooling. Each detection is assigned a severity and initial response SLA based on the risk represented by the event(s) it is designed to detect and surface. SLAs are as follows:

Severity	SLA	Intended Response	Example
Critical	30 Minutes - 24/7	Immediate Human Response	Confirmed successful phishing attempt against Hubber
High	24 Hours	Human Response within One Day	High Confidence IOC Match or Behavioral Detection
Medium	1-7 Days	Automated Response or Human Response Within a Week	Low Confidence IOC Match
Low	N/A	Automated Response or Contextual Only	Uptick in Password Changes from Single IP

Each alert generated by detection monitoring is assigned to the relevant security team or accountable individual at the time of creation, based on the severity assigned. The assigned team or individual records

any actions taken or post-mortem conclusions in the relevant security repository issue for that event and resolves the issue when complete.

Incident Response

The THOR and PSIRT teams triage, investigate, and respond to a variety of security events reported by internal and external sources, including:

- Automated log monitoring and alerting
- Suspected internal security compromises
- Critical GitHub Enterprise Cloud service vulnerabilities or bugs that may expose user or customer data

GitHub maintains documented incident response procedures. These procedures are triggered once an event is detected and reported. GitHub security personnel are informed of security events, whether detected by systems or reported by humans, internal or external, through formally documented procedures, with alerts surfaced to responders based on their severity.

Initial reports are defined as "leads" until appropriately triaged by a member of the relevant PSIRT team. Once either THOR or PSIRT verifies a lead, an escalation procedure is executed to engage appropriate resources to help ensure any potential risk of breach or privacy concerns are addressed in accordance with established protocols. Cross-functional accountabilities are documented for reference as escalation and remediation engagement varies depending on the source, scope of impact, and severity of the incident.

Roles for incident response and handling are defined and assigned, and a multi-stage process is followed until the risk has been mitigated and the outcomes documented. Root cause is assessed and addressed as part of the incident response process.

The THOR and PSIRT teams also document Legal engagement and external notification processes in the event an incident is validated as a breach or in violation of contractual commitments. GitHub informs affected users and organizations as required. The messaging can be sent via various forms such as email, a changelog post, a blog post, or release notes. Investigations specific to an affected customer are managed directly with that customer, in accordance with contractual terms.

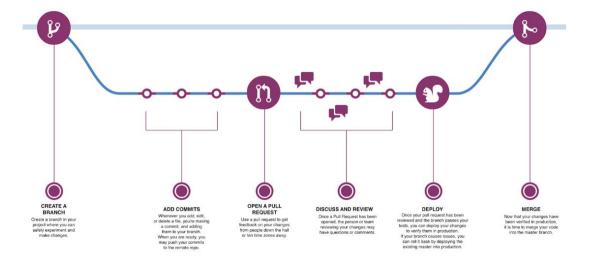
Change Management

Change Management Overview

GitHub is a collaborative, organic, and adaptable organization. GitHub Enterprise Cloud service's code and system change management processes leverage Enterprise Cloud's native source code and changelog technology available to users and organizations.

Change Development

GitHub application and configuration changes are developed and maintained within GitHub's private enterprise on the Enterprise Cloud product. Individual engineers are grouped by teams based on their areas of code ownership and expertise. Access to branch, deploy, approve, and merge changes to critical GitHub repositories is restricted to members of the Platform Health and Production Engineering teams. Engineers responsible for the critical Enterprise Cloud repositories of the codebase receive timely notifications of changes pushed and monitor these changes through automated issues posted in the repositories and in Slack.



When developing code for GitHub Enterprise Cloud service, engineers create a branch from the Main Branch, which is the 'gold copy' of GitHub, to begin development of changes. Depending on the change, developers will test locally and using automated CI/CD testing described below. Once pre-production testing has validated the change is functioning as expected and all required reviews and approvals are complete, the branch is merged into the Main Branch and is rolled out in staged releases via Canary deployments to GitHub's Kubernetes clusters in production for customer use.

An automated static code analysis tool runs every time new code is committed, to detect insecure coding practices based on third party provided lexical, syntactic, and semantic rulesets, in addition to GitHubdeveloped rulesets and test scenarios. An automated alerting issue is posted on the containing issue and in a tracking repository maintained by the Product Security Engineering team, to alert them of any potentially insecure coding risks to product development. The developer assesses the potential vulnerabilities, and a peer reviewer follows up on the items during change review and approval.

Peer Review

GitHub relies heavily on collaboration and peer reviews to help ensure the integrity of its products. Requirements for performing an effective peer review are documented on The Hub and in repo-specific Pull Request templates. Once the code is ready for discussion and review, developers open a Pull Request for commits added to their branch following the template. PRs are an integral feature of GitHub used to coordinate the discussion, approval, testing, and deployment of changes.

Protected branches (branches where merging to the Main branch is gated by required review and approval activities) are also enabled on Enterprise Cloud code repositories. Protected branches require that PRs are reviewed and approved by an individual who is different than proposer of the change prior to merging the code to the Main Branch.

The Security team conducts high-level design reviews, including security reviews, and rapid risk assessments for large projects and initiatives to assess security risk. Depending on the scope and type of project or initiative, the appropriate security teams will be engaged to review the project and provide recommendations and guidance to engineering and product teams. Recommendations are tracked in GitHub issues, and teams must approve plans prior to release.

Automated Testing

Continuous Integration (CI) is the process by which code changes are automatically tested and validated. When a change is committed to a branch with an associated PR, the CI system automatically executes the configured CI status checks for that repository. This process includes the following:

- CI is notified of changes to the repo and builds the code for testing
- CI runs the test suites selected for that repository including end-to-end integration testing, functional/unit testing, and security testing
- CI successes and failures are referenced in the PR

Failures in CI will block merging and deploying of those changes. CI testing occurs every time a change is committed and when a change is being deployed to production. GitHub CI testing uses a suite of tools to automate build and test on isolated hosts. Test results are automatically exported and alerted on the respective issues allowing teams to monitor and act on issues prior to deployment.

GitHub engineers collaborate to support the creation of CI test scripts, and the implementation of blocking acceptance tests. These acceptance tests typically function at the browser level and focus on the overall functionality of the module or application to help ensure customer commitments and system requirements are met. GitHub prevents any change from deployment to production if required acceptance tests have not passed.

Deployment

To support deployment to the production environment, changes are deployed using GitHub's standard and proprietary deployment tools and workflows. To deploy any application or configuration changes, developers run a Slack Chat Operations (ChatOps) deployment command on the respective team channels associated with the production application. Running the Slack ChatOps creates a traceable record of the action and helps to ensure accountability and transparency within the team and other stakeholders subscribed to the respective Slack channel. Automated deployment processes validate that required checks are completed, including passing of mandatory acceptance checks and ensuring the most recent Main Branch build is used, before deploying the change to production. Code commits, whether direct commits or through a pull request, are hashed. The hash is displayed with the commit to facilitate code integrity verification.

Monitoring, Metrics, and Change Rollback

To help ensure continued functionality, availability, and security of the GitHub Enterprise Cloud service system, comprehensive logging and monitoring tools are built into the application, system, and network to monitor real-time telemetry such as network traffic, successful logins, exceptions and error messages from the application and systems, and pseudonymized usage statistics to detect anomalies through fine-tuned fault tolerances and historical trend analyses.

Engineering teams monitor each system component post-deployment to help ensure changes implemented did not detrimentally impact stability. A dedicated Site Reliability Engineering team monitors and responds to incidents 24/7 through real-time, automated monitoring and incident escalation workflow. In the event of any detrimental impact to production resulting from a change, changes are rolled back to the last known stable version of the Main Branch. As a matter of practice, GitHub uses branch deployments to production, so the roll-back procedure is simple and can be performed by anyone with authorization to deploy.

Once a deployment to production is shown to be faulty or unstable, based on the continuous monitoring described previously, manual testing, or some other measure, the assigned engineer runs a single ChatOps command and the previous version of the Main Branch is deployed back to production. Depending on the

severity of the findings, the engineer can make immediate changes and redeploy, or unlock deploys and begin testing again in limited environments.

To keep GitHub personnel in the loop on new feature development or other engineering efforts, the Product teams regularly host internal demos for the organization as a part of regular company and technology allcompany get togethers. These presentations are a way for technology teams to discuss and share projects implemented and goals achieved throughout the quarter.

New customer-impacting product and feature releases, defined as "notable changes", go through a standardized release process to help ensure the appropriate level of communication given the type of change. A notable change is anything added, changed, deprecated, removed, fixed, or any security fixes (CVEs) that customers should understand. These changes could affect the productivity or workflow of the user, or in the case of security fixes, require notification and awareness for customers. For example, notable changes include API deprecations, User Interface (UI) improvements, or additions to payment options. These changes are communicated at several discrete stages of development and prior to launch. Methods of communication include blog posts and may also include social posts and product training-videos.

Emergency Deploys

When an emergency or system failure means a deploy cannot follow the normal procedures, there is an established process to allow engineers to circumvent the usual tooling and force a deployment into production. The emergency deploy process, and knowing when it is justified, is a key component within GitHub culture.

The ability to perform an emergency deploy is configured to be restricted to a limited group of engineers (includes members in the Incident Commander rotation along with a subset group of select engineers who may need to be involved in incidents) through assignment to the 'gh-force-deploy' entitlement. This group is allowed to force deploy changes; in addition, they can temporarily grant the permission to other users on an as-needed basis for 30-minutes. Emergency deploys are requested in the same pre-defined deploy Slack channels used for regular deploys, and the engineer requesting the deploy specifies a deploy reason to give context to the situation to observers and others who are monitoring these deploys.

After an engineer force deploys, the deploy queue is blocked for that repository until the engineer reverts the changes or merges the changes into the Main Branch. Both paths require CI and peer review and approval to complete, to ensure the same level of visibility and testing as any other changes to the code base.

When an emergency deploy is executed, an alert is posted to the #incident-command Slack channel for visibility to the on-call team. A post-mortem remediation issue is auto-created in the github/forced-deploys repository. The issue is assigned to the engineer who deployed with a post-mortem checklist the assignee completes within 24 hours, giving justification for the deploy, which is then reviewed by their manager and an SRE team member.

Post-mortem remediation issues are reviewed weekly in the Production Engineering Availability team meeting. The deploying engineer is invited to the meeting to review the issue and the circumstances, and to verify they have completed the expected post-deploy steps to help ensure no further issues require resolution.

Control Objectives and Related Controls

GitHub has specified the control objectives and identified the controls that are designed to achieve the related control objectives. The specified control objectives and related controls are presented in Section 4, "Description of GitHub, Inc.'s Control Objectives and Related Controls, and Independent Service Auditor's Description of Tests of Controls and Results," and are an integral component of GitHub's description of its GitHub Enterprise Cloud service.

Complementary User Entity Controls (CUECs)

The Company's controls related to GitHub Enterprise Cloud service cover only a portion of overall internal control for each user entity of GitHub Enterprise Cloud service. It is not feasible for the control objectives related to the system to be achieved solely by the Company. Therefore, each user entity's internal control should be evaluated in conjunction with the Company's controls and the related tests and results described in Section 4 of this report, taking into account the related CUECs identified for the specific control objective. In order for user entities to rely on the controls reported herein, each user entity must evaluate its own internal control to determine whether the identified CUECs have been implemented and are operating effectively.

The CUECs presented should not be regarded as a comprehensive list of all controls that should be employed by user entities. Management of user entities is responsible for the following:

Control Objective	Complementary User Entity Controls
CO3	 User entities deploy physical security and environmental controls for all devices and access points residing at their operational facilities, including remote employees or at- home agents for which the user entity allows connectivity.
CO4	 Customer administrators are responsible for setting their authentication policy for GitHub Enterprise Cloud service user accounts. GitHub recommends the use of SAML/Single Sign On with the customer's identity provider. Enabling two-factor authentication and ensuring members and collaborators require two-factor authentication; this includes the implementation and management of personal access tokens.
CO6	 Administering and configuring repositories, including permissions, enabling required reviews for pull requests, and enabling required status checks before merging. Securing configuration of GitHub Actions. See https://docs.github.com/en/actions/security-guides/security-hardening-for-github-actions for detailed guidance.

Subservice Organizations and Complementary Subservice Organization Controls (CSOCs)

The Company uses CoreSite, Sabey, Equinix, and QTS as subservice organizations for data center colocation services, and Microsoft Azure for infrastructure hosting. The Company's controls related to GitHub Enterprise Cloud service cover only a portion of the overall internal control for each user entity of GitHub Enterprise Cloud service. The description does not extend to the colocation services for IT infrastructure provided by the subservice organizations. Section 4 of this report and the description of the

system only cover the control objectives and related controls of the Company and exclude the related controls of Microsoft Azure, CoreSite, Sabey, Equinix, and QTS.

Although the subservice organizations have been carved out for the purposes of this report, certain control objectives are intended to be met by controls at the subservice organizations. CSOCs are expected to be in place at Microsoft Azure, CoreSite, Sabey, Equinix, and QTS related to physical security and environmental protection. The subservice organizations' physical security controls should mitigate the risk of unauthorized access to the hosting facilities. The subservice organizations' environmental protection controls should mitigate the risk of fires, power loss, climate, and temperature variabilities.

The Company management receives and reviews the Microsoft Azure, CoreSite, Sabey, Equinix, and QTS SOC 2 reports, International Standards Organization (ISO) 27001 and 27701 Certifications, and Payment Card Industry Attestation of Compliance (PCI AOC) as they are issued, and at least annually. In addition, through its operational activities, Company management monitors the services performed by Microsoft Azure, CoreSite, Sabey, Equinix, and QTS to determine whether operations and controls expected to be implemented are functioning effectively. Management also communicates with the subservice organizations to monitor compliance with the service agreement, stay informed of changes planned at the hosting facility, and relay any issues or concerns to Microsoft Azure, CoreSite, Sabey, Equinix, and QTS management.

It is not feasible for the control objectives related to GitHub Enterprise Cloud service to be achieved solely by the Company. Therefore, each user entity's internal control must be evaluated in conjunction with the Company's controls and related tests and results described in Section 4 of this report, taking into account the related CSOCs expected to be implemented at Microsoft Azure, CoreSite, Sabey, Equinix, and QTS as described below.

Control Objective	Complementary Subservice Organization Controls
Network Security	 Microsoft Azure encrypts customer data at rest. Microsoft Azure corrects functioning of tenant isolation of its cloud services.
Physical Security	 Microsoft Azure, CoreSite, Sabey, Equinix, and QTS restrict data center access to authorized personnel. Microsoft Azure, CoreSite, Sabey, Equinix, and QTS monitor data centers 24/7 by closed circuit cameras and security personnel.
Logical and Physical Access	Microsoft Azure securely decommissions and physically destroys production assets in its control.
Environmental Protections	 Microsoft Azure, CoreSite, Sabey, Equinix, and QTS install fire suppression and detection and environmental monitoring systems at the data centers. Microsoft Azure, CoreSite, Sabey, Equinix, and QTS protect data centers against a disruption in power supply to the processing environment by an uninterruptible power supply (UPS). Microsoft Azure, CoreSite, Sabey, Equinix, and QTS oversee the regular maintenance of environmental protections at data centers.

Significant Changes to the System

There were no changes that are likely to affect report users' understanding of how GitHub Enterprise Cloud service was used to provide the service from October 1, 2023 to March 31, 2024.

Report Use

The description does not omit or distort information relevant to GitHub Enterprise Cloud service while acknowledging that the description is prepared to meet the common needs of a broad range of users and may not, therefore, include every aspect of the system that each individual user may consider important to their own particular needs.



Section 4

Description of GitHub, Inc.'s Control
Objectives and Related Controls, and
Independent Service Auditor's Description
of Tests of Controls and Results



Control Environment Elements

The control environment represents the collective effect of various elements in establishing, enhancing or mitigating the effectiveness of specific controls. The control environment elements as described in the description of the system include, but are not limited to, the Code of Conduct, Policies and Procedures and Human Resources.

Our tests of the control environment included the following procedures, to the extent we considered necessary; (a) an inspection of GitHub's organizational structure including segregation of functional responsibilities and policies and procedures; (b) inquiries with management, operations, administrative and other personnel who are responsible for developing, ensuring adherence to and applying controls; (c) observations of personnel in the performance of their assigned duties; and (d) inspection of documents and records pertaining to controls.

Description of Tests Performed by Coalfire Controls, LLC

Our tests of operating effectiveness of controls included such tests as were considered necessary in the circumstances to evaluate whether those controls, and the extent of compliance with them, were sufficient to provide reasonable, but not absolute, assurance that the control objectives were achieved throughout the period October 1, 2023 to March 31, 2024. In selecting particular tests of the operating effectiveness of the controls, we considered (i) the nature of the controls being tested; (ii) the types of available evidential matter; (iii) the nature of the control objective to be achieved; (iv) the assessed level of control risk; and (v) the expected efficiency and effectiveness of the test. Such tests were used to evaluate fairness of the presentation of the description of GitHub's information technology general control system for the GitHub Enterprise Cloud service and to evaluate the operating effectiveness of specified controls.

Additionally, observation and inspection procedures were performed as it relates to system generated reports, queries, and listings within management's description of the system to assess the completeness and accuracy (reliability) of the information utilized in the performance of our testing of the control activities.

The controls in the second column in the following tables and the control objectives detailed at the top of each table are part of management's description of the service organization's system that appears in Section 3 of this report. The description of tests of controls and results in the third and fourth columns, respectively, are provided by the service auditor.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
1.1	Individuals with access to the in-scope environment acknowledge and sign off on the Handbook for Hubbers as part of the onboarding process. The Handbook includes the GitHub standards of conduct, security policy awareness and responsibilities, and other information security topics.	Inspected the Handbook for Hubbers to determine that it described the GitHub standards of conduct, security policy awareness and responsibilities, and other information security topics.	No exceptions noted.
		Inspected acknowledgements for a sample of new employees with access to the in-scope environment to determine that new employees acknowledged that they had read and agreed to the Handbook for Hubbers as part of the onboarding process.	No exceptions noted.
1.2	Employees sign a confidentiality agreement upon hire. This agreement prohibits the disclosure of information and other data to which the employee has been granted access during employment and after termination.	Inspected the confidentiality agreement template to determine that it prohibited the disclosure of information and other data to which the employee had been granted access during employment and after termination.	No exceptions noted.
		Inspected signed confidentiality agreements for a sample of new employees to determine that new employees were provided and signed the agreement upon hire.	No exceptions noted.
1.3	GitHub management evaluates and provides feedback to direct reports annually.	Inspected performance appraisal documentation for a sample of employees to determine that management evaluated and provided feedback to direct reports during the period.	No exceptions noted.
1.4	The Company has documented disciplinary actions within the Handbook for Hubbers for employees and contractors who violate the code of conduct.	Inspected the Handbook for Hubbers to determine that the Company had documented disciplinary actions for employees and contractors who violated the code of conduct.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
1.5	New employees undergo background screening as permissible by local laws and regulations.	Inspected background check completion evidence for a sample of new employees to determine that new employees underwent background screening as permissible by local laws and regulations.	No exceptions noted.
1.6	The Senior Leadership team sets Company-wide objectives and reviews key results semiannually. Operational objectives and key results defined across the in-scope domains tie back to meeting those Company-wide organizational objectives, including security and risk objectives. The Senior Leadership team reports and reviews progress towards meeting those objectives semiannually.	Inspected the semiannual objectives set by the Senior Leadership team to determine that operational objectives and key results tied back to Company-wide organizational objectives, including security and risk objectives, and that the Senior Leadership team reported and reviewed progress toward meeting the objectives semiannually.	No exceptions noted.
1.7	People Operations maintains a current organizational chart that outlines Hubbers' roles and is made available to employees and contractors.	Inspected the organization chart to determine that it outlined Hubbers' roles and was made available to employees and contractors.	No exceptions noted.
1.8	The GitHub Information Security and Privacy Management System (ISPMS) defines information security practices, including information system management, access controls, software development, and the definition of roles and responsibilities. This policy is published to internal personnel via the GitHub intranet. The Chief Security Officer (CSO) reviews and approves the policy annually.	Inspected the GitHub ISPMS to determine that it defined information security practices, including information system management, access controls, software development, and the definition of roles and responsibilities.	No exceptions noted.
		Inspected the GitHub ISPMS to determine that the policy was published to internal personnel via the GitHub intranet and that the CSO reviewed and approved the policy during the period.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
1.9	Hubber responsibilities are communicated through documented job descriptions, which are stored internally.	Inspected job descriptions for a sample of employees supporting the service to determine that Hubber responsibilities were communicated through documented job descriptions and were stored in the respective teams' GitHub repo.	No exceptions noted.
1.10	Hubbers complete security and privacy awareness training within 45 days of their start date and on an annual basis.	Inspected training completion evidence for a sample of new Hubbers to determine that new employees and contractors completed security and privacy awareness training within 45 days of their start date.	Exceptions noted.19 out of a sample of 19 new contractors did not have documented evidence that security and privacy awareness training was completed. In addition, 2 out of 6 new employees did not complete security and privacy awareness training within 45 days of their start date during the period.
		Inspected training completion evidence for a sample of active Hubbers to determine that security and privacy awareness training was completed during the period.	No exceptions noted.
1.11	Agencies that provide contracted or temporary employees are required to train those contractors prior to providing them to GitHub.	Inspected service supplier agreements for a sample of contractor agencies to determine that agencies that provided contracted or temporary employees were required to train those employees prior to providing them to GitHub.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
1.12	The GitHub Handbook outlines the process for anonymously reporting potential security issues or fraud concerns.	Inspected the GitHub Handbook to determine that it outlined the process for anonymously reporting potential security issues or fraud concerns.	No exceptions noted.



Control Objective 2: Risk Management

Controls provide reasonable assurance that the Company (i) identifies potential risks that would affect the entity's ability to achieve its objectives, (ii) analyzes those risks, (iii) develops responses to those risks including the design and implementation of controls and other risk mitigating actions, and (iv) conducts ongoing monitoring of risks and the risk management process.

	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
2.1	The Company specifies its objectives in its annual risk assessment to enable the identification and assessment of risk related to the objectives.	Inspected documentation from the risk assessment performed during the period to determine that the Company specified its objectives in its annual risk assessment to enable the identification and assessment of risk related to the objectives.	No exceptions noted.
2.2	GitHub has established a formal Security Risk Management Policy to identify, assess, and manage security and security compliance-related risks. GitHub Security leadership reviews and approves the Security Risk Management Policy annually.	Inspected the Security Risk Management Policy to determine that a program had been established to identify, assess, and manage security and security compliance-related risks.	No exceptions noted.
		Inspected the Security Risk Management Policy to determine that it was reviewed and approved by the GitHub Security leadership during the period.	No exceptions noted.
tracks, and mor related compliar documented in actions are trac considers the positions.	Annually, GitHub performs a risk assessment that identifies, tracks, and monitors changes to in-scope systems security, related compliance risk factors, and fraud. Risks identified are documented in a repository where the risks and mitigation actions are tracked to resolution. The risk assessment considers the potential for fraud and how fraud may impact the	Inspected risk assessment documentation from the period to determine that it identified, tracked, and monitored changes to in-scope systems security, related compliance risk factors, and fraud, and that risks identified were documented in a repository where the risks and mitigation actions were tracked to resolution.	No exceptions noted.
	achievement of objectives.	Inspected risk assessment documentation from the period to determine that the risk assessment included a consideration of the potential for fraud and how fraud may have impacted the achievement of objectives.	No exceptions noted.



Control Objective 2: Risk Management

Controls provide reasonable assurance that the Company (i) identifies potential risks that would affect the entity's ability to achieve its objectives, (ii) analyzes those risks, (iii) develops responses to those risks including the design and implementation of controls and other risk mitigating actions, and (iv) conducts ongoing monitoring of risks and the risk management process.

	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
2.4	Prior to engaging a new vendor, GitHub reviews vendor security compliance and documents the results in the vendor security repo. Annually, GitHub assesses the controls implemented at subservice organizations who receive or store customer data through the review of relevant subservice organizations' attestation reports.	Inquired of management and inspected vendor tracking documentation to determine that the circumstances that warrant the operation of the control did not occur during the period. As a result, no testing could be performed to determine whether the security compliance for all new vendors was assessed prior to being engaged.	Not tested. No new vendors were identified during the period.
	A portion of this control did not operate during the period because the circumstances that warrant the operation of the control did not occur during the period. No new vendors were engaged during the period.	Inspected subservice organization risk assessment documentation for all subservice organizations to determine that a risk assessment was performed within the past year, and that it included an assessment of controls implemented at subservice organizations who received or stored customer data through attestation report reviews.	No exceptions noted.
2.5	As part of its annual risk assessment, management selects and develops manual and IT general control activities that contribute to the mitigation of identified risks.	Inspected documentation from the risk assessment performed during the period to determine that, as part of its annual risk assessment, management selected and developed manual and IT general control activities that contributed to the mitigation of identified risks.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
3.1	The security owner subscribes to industry security bulletins and email alerts and uses them to monitor the impact of emerging technologies and security on the production systems.	Inspected example security bulletins and email alerts subscribed to by the security owner to determine that the security owner subscribed to industry security bulletins and email alerts and used them to monitor the impact of emerging technologies and security on the production systems.	No exceptions noted.
3.2	GitHub maintains and communicates key security standards and procedures on the GitHub intranet that address the security of systems, facilities, data, personnel, and processes.	Inspected the GitHub intranet to determine that GitHub maintained and communicated key security standards and procedures that address the security of systems, facilities, data, personnel, and processes.	No exceptions noted.
3.3	GitHub has defined hardening standards based on its security hardening practices. The Security Operations team reviews and approves changes to the standard hardening procedures.	Inspected hardening standards to determine that they were documented based on the Company's security hardening practices and were reviewed and changes were approved by the Security Operations team during the period.	No exceptions noted.
3.4	Customer Git repositories are encrypted at rest.	Inspected the configuration for an example customer Git repository to determine that they were encrypted at rest.	No exceptions noted.
3.5	VPN and bastion hosts are configured to require user connections to reauthenticate after 24 hours of inactivity.	Inspected the VPN and bastion host configurations to determine that they required user connections to reauthenticate after 24 hours of inactivity.	No exceptions noted.
3.6	GitHub uses SSH to authenticate to back-end production resources through a bastion host.	Observed login attempts to back-end production resources to determine that GitHub used SSH to authenticate to back-end production resources through a bastion host.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
3.7	Network firewalls restrict external points of connectivity and prevent unauthorized traffic from beyond the system boundary.	Inspected network firewall configurations to determine that network firewalls were used and that they restricted external points of connectivity and prevented unauthorized traffic from beyond the system boundary.	No exceptions noted.
3.8	Firewall rulesets are reviewed at least annually. Change tickets are created to track any firewall modifications as a	Inspected the firewall review documentation to determine that firewall rulesets were reviewed during the period.	No exceptions noted.
	result of the review.	Inspected change tickets for a sample of changes that resulted from the firewall ruleset review to determine that change tickets were created to track firewall modifications resulting from the review.	No exceptions noted.
3.9	Production traffic is encrypted when transmitted over the public internet.	Inspected transmission protocol configurations to determine that secure data transmission protocols were used to encrypt production data when transmitted over the public internet.	No exceptions noted.
3.10	An intrusion detection system (IDS) is used to provide continuous monitoring of the Company's network and early detection of potential security breaches. Alerts are configured to notify administrators to investigate and take appropriate	Inspected IDS configurations to determine that an IDS was used to provide continuous monitoring of the Company's network and early detection of potential security breaches.	No exceptions noted.
	action based on the severity of the alert.	Inspected IDS alert configurations and example alerts to determine that alerts were configured to notify administrators to investigate and take appropriate action based on the severity of the alert.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
3.11	Production traffic is encrypted when transmitted over the public internet.	Inspected transmission protocol configurations to determine that secure data transmission protocols were used to encrypt production data when transmitted over the public internet.	No exceptions noted.
3.12	Threat detection software is installed on Company endpoints to monitor for malicious software or unauthorized activity.	Inspected threat detection software configurations to determine that threat detection software was installed on Company endpoints to monitor for malicious software or unauthorized activity.	No exceptions noted.
3.13	GitHub security personnel are informed of security events, whether detected by systems or reported by humans, and alerts are surfaced to responders based on severity as defined in formally documented procedures.	Inspected a sample of security event tickets to determine that GitHub security personnel were informed of security events, whether detected by systems or reported by humans, and alerts were surfaced to responders based on severity as defined in formally documented procedures.	No exceptions noted.
3.14	Security incident response and escalation policies and procedures are documented and provide guidance to Company personnel for detecting, responding to, and recovering from security events and incidents. The guidance also allows the Company to address breach or privacy considerations, which varies depending on the severity of the incident.	Inspected the security incident response and escalation policies and procedures to determine that they were documented and provided guidance to Company personnel for detecting, responding to, and recovering from security events and incidents and addressed breach or privacy considerations depending on the severity of the incident.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
3.15	All incidents related to security and involving a data breach are logged, tracked, evaluated, and communicated to affected parties by management until the Company has recovered from the incidents. The control did not operate during the period because the circumstances that warrant the operation of the control did not occur during the period. No security incidents involving a data breach were identified during the period.	Inquired of management and inspected security event documentation to determine that the circumstances that warrant the operation of the control did not occur during the period. As a result, no testing could be performed to determine whether all incidents related to security and involving a data breach were logged, tracked, evaluated, and communicated to affected parties by management until the Company had recovered from the incidents.	No incidents identified during the period involved a data breach where notification would be deemed necessary by GitHub Corporate, External, and Legal Affairs (CELA).
3.16	GitHub has incident response procedures that are triggered once an incident is identified or reported. GitHub has an escalation procedure to address breach or privacy considerations, which varies depending on the severity of the incident. Roles are assigned, and a multi-stage process is followed until the incident has been remedied and documented. Root cause is assessed and addressed as part of the incident response process. Incident post-mortems are documented and include lessons learned.	Inspected incident post-mortem documentation for an example incident to determine that the incident followed the incident response procedures, the escalation procedure was followed, roles were assigned to the incident, root cause was assessed and addressed, and the ticket included a lessons learned.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
4.1	Formal procedures are documented that outline the process the Company's staff follows to perform the following system access control functions: - Authorizing and granting new user access - Maintaining existing user access - Managing entitlements - Revoking existing user access - Restricting access based on entitlement membership and access request approval	Inspected system access control procedures to determine that formal procedures were documented that outlined the process the Company's staff followed to perform the following system access control functions: - Authorizing and granting new user access - Maintaining existing user access - Managing entitlements - Revoking existing user access - Restricting access based on entitlement membership and access request approval	No exceptions noted.
4.2	Authentication to the following in-scope production system components required unique usernames and passwords or authorized Secure Shell (SSH) keys: - Network - Operating system (OS) - Application(s) - Data stores - Azure console - Firewalls - Log data - Backup data	Inspected system configurations and observed login attempts to determine that authentication to the following in-scope production system components required unique usernames and passwords or authorized SSH keys: - Network - OS - Application(s) - Data stores - Azure console - Firewalls - Log data - Backup data	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
4.3	A unique account and password are required to authenticate customers to their organization for in-scope systems.	Observed login attempts into the in-scope environment and inspected Lightweight Directory Access Protocol (LDAP) configurations to determine that a unique account and password were required to authenticate customers to their organization.	No exceptions noted.
4.4	Remote access to internal administration tools is restricted through unique account IDs, passwords, and a one-time token.	Observed remote login attempts to internal administration tools to determine that they were restricted through unique account IDs, passwords, and a one-time token.	No exceptions noted.
4.5	Remote access to in-scope production systems is restricted through Virtual Private Network (VPN), bastion hosts, or Security Assertion Markup Language (SAML) enforcing Hypertext Transfer Protocol Secure (HTTPS) reverse proxy, which require multi-factor authentication.	Inspected system configurations and observed login attempts to in-scope production systems to determine that they were restricted through VPN, bastion hosts, or SAML enforcing HTTPS reverse proxy, which required MFA.	No exceptions noted.
4.6	Passwords for in-scope system components are configured according to the Company's policy, which required the following (unless there is a system limitation): - Eight characters long, if it includes a number and a lowercase letter or - 15 characters long with any combination of characters	Inspected the password policy and password configurations for in-scope system components to determine that passwords were configured according to Company policy, which required the following (unless there was a system limitation): - Eight characters long, if it includes a number and a lowercase letter or - 15 characters long with any combination of characters	No exceptions noted.
4.7	Test environments are logically separated from production environments.	Inspected the test and production environments to determine that they were logically separated from each other.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
4.8	GitHub's internal systems are configured to automatically provision logical and physical access based on the user's job role and required manager approval prior to being provisioned. GitHub's internal systems are configured to automatically provision non-role-based entitlements only after the user's	Inspected management approval evidence for a sample of access provisioning requests to determine that access was provisioned based on the user's role and management approval was required prior to provisioning logical and physical access.	No exceptions noted.
	manager reviews and approves the access request.	Inspected access provisioning configurations within internal systems to determine that they were configured to automatically provision logical and physical access based on the user's job role and required manager approval prior to being provisioned.	No exceptions noted.
4.9	The Security Operations team revokes logical production access and Production Engineering revokes physical production access for terminated personnel (employee and contractors) within 24 hours of termination.	Inspected documentation for a sample of terminated employees and contractors to determine that a termination checklist was completed and logical and physical access was revoked by the Security Operations and Production Engineering team within 24 hours of termination as part of the termination process.	Exceptions noted. 2 out of a sample of 25 employees did not have logical and physical access revoked within 24 hours of termination.
		Inspected a listing of terminated employees and contractors and compared the listing to the active inscope system access listings to determine that terminated employees and contractors did not retain logical access to the in-scope systems after their separation.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
4.10	Semi-annually, the Security Operations team reviews and reauthorizes elevated access permissions to confirm that users with this access are restricted based on the principle of least privilege. Tickets are created to remove or modify access as necessary in a timely manner.	Inspected access review documentation from the period to determine that semi-annual access reviews were conducted by the Security Operations team to confirm that users with elevated access permissions were restricted based on the principle of least privilege.	No exceptions noted.
		Inspected change tickets for a sample of changes that resulted from the access review to determine that change tickets were created to remove or modify access as necessary in a timely manner.	No exceptions noted.
4.11	The Infrastructure team reviews physical access to production data centers annually; any unauthorized accounts are removed.	Inspected the production data centers physical access review documentation from the period to determine that an annual physical access review was conducted by the Infrastructure team to help ensure that access was restricted appropriately.	No exceptions noted.
		Inspected change tickets for a sample of changes that resulted from the physical access review to determine that any unauthorized accounts were removed.	No exceptions noted.



	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
4.12	Privileged access to the following in-scope production system components is restricted to authorized users with a business need: - Network - OS - Application(s) - Data stores - Azure console - Firewalls - Log data - Backup data	Inspected the access listings, inquired of management, and compared each user's level of access to their job role to determine that privileged access to the following in-scope production system components was restricted to authorized users with a business need: - Network - OS - Application(s) - Data stores - Azure console - Firewalls - Log data - Backup data	No exceptions noted.



Control Objective 5: System Operations

Controls provide reasonable assurance that GitHub manages the execution of system procedures and detects and mitigates deviations and issues.

	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
5.1	The Company maintains a Bug Bounty Program that offers rewards for discovered vulnerabilities and is designed to ensure the security and integrity of the platform through treating these findings.	Inspected a sample of Bug Bounty Tickets to determine that the Company maintained a Bug Bounty Program that offered rewards for discovered vulnerabilities and was designed to ensure the security and integrity of the platform and that bugs were ticketed and treated.	No exceptions noted.
5.2	The Security Operations team scans internal and external systems monthly, reviews identified vulnerabilities, and shares confirmed threats with responsible stakeholders.	Inspected internal and external network vulnerability scans for a sample of months to determine that the Security Operations team scanned internal and external systems at least monthly, reviewed identified vulnerabilities, and shared confirmed threats with responsible stakeholders.	No exceptions noted.
5.3	System owners remediate vulnerabilities in accordance with established service-level agreements based on the severity of the vulnerabilities. Vulnerabilities that cannot be remediated within the required SLA are handled via the documented exception process.	Inspected remediation plans for vulnerabilities identified during a sample of monthly internal and external vulnerability scans to determine system owners remediated vulnerabilities in accordance with the established SLAs based on the severity of the vulnerability, and any vulnerabilities that were unable to be remediated within the required SLA was handled via the documented exception process.	Exception noted. 1 out of 44 vulnerabilities were not remediated in accordance with the established SLAs nor handled via the documented exception process based on the severity of the vulnerability.
5.4	A configuration management tool (CMT) maintains the state of systems to an approved baseline and reverts unapproved changes, when they are detected, back to the required configuration. Changes to the approved configuration baseline are completed through pull requests requiring peer review.	Inspected CMT configurations to determine that a CMT was in place to maintain the state of systems to an approved baseline and revert unapproved changes, when they are detected, back to the required configuration.	No exceptions noted.



Control Objective 5: System Operations

Controls provide reasonable assurance that GitHub manages the execution of system procedures and detects and mitigates deviations and issues.

	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
		Inspected a sample of changes to the approved configuration baseline to determine that they were completed through pull requests and required a peer review.	No exceptions noted.
5.5	Logging and monitoring tools are used to collect telemetry and event logs from network devices, applications, and systems. Security alerts are generated, prioritized, and communicated to the designated responders for follow up. GitHub Security	Inspected the log management tool configurations to determine that logging and monitoring tools were used to collect telemetry and event logs from network devices, applications, and systems.	No exceptions noted.
	teams use these alerts to initiate triage and, if necessary, remediate security issues based on their assigned priority.	Inspected the log management tool alert configurations and tracking documentation to determine that security alerts were generated, prioritized, and communicated to the designated responders for follow up and GitHub Security teams used alerts to initiate triage and, if necessary, remediate security issues based on their assigned priority.	No exceptions noted.
5.6	An infrastructure monitoring tool is utilized to monitor system or infrastructure availability and performance and generates alerts when specific, predefined thresholds are met.	Inspected the infrastructure monitoring tool configurations and example alerts to determine that an infrastructure monitoring tool was utilized to monitor system or infrastructure availability and performance and generated alerts when specific, predefined thresholds were met.	No exceptions noted.
5.7	A third party performs an annual application penetration assessment on components of the in scope system. Security Operations triages and tracks identified issues through to resolution.	Inspected the penetration test report to determine that a third party performed an application penetration assessment, on components of the in scope system, during the period.	No exceptions noted.



Control Objective 5: System Operations

Controls provide reasonable assurance that GitHub manages the execution of system procedures and detects and mitigates deviations and issues.

Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
	Inspected remediation plans for vulnerabilities identified during the penetration test to determine that the Security Operations team triaged and tracked identified issues through to resolution.	No exceptions noted.



Control Objective 6: Change Management

Controls provide reasonable assurance that GitHub identifies the need for changes to the system, makes the changes following a controlled change management process, and prevents unauthorized changes from being made.

	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
6.1	Formal policies and procedures that outline the technical and organizational safeguards for change management of system components are documented and include the following components: - Change management roles and responsibilities - Criteria for risk assessment, categorization, and prioritization of changes - Approvals for implementation of changes - Requirements for the performance and documentation of tests, including rollback plans - Requirements for segregation of duties during development, testing, and release of changes - Requirements for the implementation and documentation of emergency changes	Inspected the change management procedures to determine that formal policies and procedures that outlined the technical and organizational safeguards for change management of system components were documented and included the following components: - Change management roles and responsibilities - Criteria for risk assessment, categorization, and prioritization of changes - Approvals for implementation of changes - Requirements for the performance and documentation of tests, including rollback plans - Requirements for segregation of duties during development, testing, and release of changes - Requirements for the implementation and documentation of emergency changes	No exceptions noted.
6.2	A formal security and software development life cycle (SDLC) methodology is in place that governs the project planning, design, acquisition, testing, implementation, maintenance, and decommissioning of information systems and related technologies.	Inspected security and SDLC documentation to determine that a formal security and SDLC methodology was in place that governed the project planning, design, acquisition, testing, implementation, maintenance, and decommissioning of information systems and related technologies.	No exceptions noted.
6.3	An independent reviewer evaluates and approves software and infrastructure change requests via a GitHub pull request.	Inspected a sample of pull requests for software and infrastructure changes to determine that an independent reviewer evaluated and approved change requests via a GitHub pull request.	No exceptions noted.



Control Objective 6: Change Management

Controls provide reasonable assurance that GitHub identifies the need for changes to the system, makes the changes following a controlled change management process, and prevents unauthorized changes from being made.

	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
6.4	Technical reviews are performed for new features and major changes to assess security, data, and architecture risk. Cross functional approval is required prior to release of changes to production.	Inspected tickets for a sample of new features and major changes to determine that technical reviews were performed to assess security, data, and architecture risk and that cross functional approval was required prior to release of changes to production.	No exceptions noted.
6.5	GitHub engineering code owners create and execute automated regression test cases to address functionality and security requirements.	Inspected a sample of pull request to determine that GitHub engineering code owners created and executed automated regression test cases to address functionality and security requirements.	No exceptions noted.
6.6	Application changes pass automated continuous integration testing prior to deployment to the production environment.	Inspected the continuous integration testing configuration to determine that application changes were required to pass automated continuous integration testing prior to deployment to the production environment.	No exceptions noted.
6.7	A security code analysis tool scans code during commits and merges. The scanning tool posts potential vulnerabilities on the change pull request. The developer assesses the potential vulnerabilities, and a peer reviewer follows up on the items during change review and approval.	Inspected a sample of pull requests to determine that the security code analysis tool scanned the code during the commit and merge, the scanning tool posted potential vulnerabilities, the developer assessed potential vulnerabilities, and the peer reviewer followed up on items during review and approval.	No exceptions noted.
6.8	Test environments are logically separated from production environments.	Inspected the test and production environments to determine that they were logically separated from each other.	No exceptions noted.



Control Objective 6: Change Management

Controls provide reasonable assurance that GitHub identifies the need for changes to the system, makes the changes following a controlled change management process, and prevents unauthorized changes from being made.

	Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Service Auditor's Test	Results of Test
6.9	Branch protection system configurations enforce peer reviews and integration tests prior to the deployment of changes to the production environment and alert code owners of any forced deployments.	Inspected branch protection system configurations to determine that they enforced peer reviews and integration tests prior to the deployment of changes to the production environment and alerted code owners of any forced deployments.	No exceptions noted.
6.10	The Production Engineering team monitors emergency deployments on a real-time basis, and post-mortem reviews are performed for emergency changes impacting production systems.	Inspected the Production Engineering team roles and responsibilities and assignment schedule to determine that the team monitored emergency deployments on a real-time basis.	No exceptions noted.
		Inspected documentation of a sample of emergency changes that impacted production systems to determine that a post-mortem review was performed.	No exceptions noted.
6.11	Infrastructure supporting the service is patched as a part of routine maintenance and as a result of identified vulnerabilities to help ensure that servers supporting the service are hardened against security threats.	Inspected evidence of patching for a sample of in-scope infrastructure components to determine that infrastructure supporting the service was patched weekly as a part of routine maintenance and as a result of identified vulnerabilities to help ensure that servers supporting the service were hardened against security threats.	No exceptions noted.



Section 5

Other Information Provided by GitHub, Inc.



Management's Response to Testing Exceptions

Management's Description of the Service Organization's Controls to Achieve the Related Control Objective	Results of Tests	Management's Response
Hubbers complete security and privacy awareness training within 45 days of their start date and on an annual basis.	Exceptions noted.19 out of a sample of 19 new contractors did not have documented evidence that security and privacy awareness training was completed. In addition, 2 out of 6 new employees did not complete security and privacy awareness training within 45 days of their start date during the period.	During this period, as a supporting control, GitHub relied on contractor agencies to provide security and privacy awareness training to contractors, as documented and tested without exception in control CC1.4. During this period, the true rate of on-time training completion for new FTE hires was 85%. We are adjusting FTE training reminders and escalations to improve on-time completion. Beginning April 1 2024, GitHub has implemented a robust process to ensure that contractors have completed GitHub security and privacy training within 45 days of starting their role.
The Security Operations team revokes logical production access and Production Engineering revokes physical production access for terminated personnel (employee and contractors) within 24 hours of termination.	Exceptions noted. 2 out of a sample of 25 employees did not have logical and physical access revoked within 24 hours of termination.	GitHub's employee termination process is comprised of two main sub-processes: - HR's process with management to identify an employee/contractor departure, confirm the date of termination, and configure that date manually within GitHub's HRIS - Security Operations' automated process to receive the notice of termination (systematically identified upon the submission of the termination information within the HRIS) and automatic removal of access to GitHub's internal systems (via system configurations). With regard to the control deviation noted by the Service Auditor, the access removal of the two (2) sampled users was delayed due to the managers of the contractors not reporting the departure in a timely



	manner. Once reported, the affected scheduled offboardings were then successfully processed promptly. GitHub performed investigative analysis and confirmed the departed contractors did not utilize or access any resources during the gap period. To mitigate against this in the future, the Security
	To mitigate against this in the future, the Security
	Operations team is partnering with HR and Procurement to update critical documentation like the People Manager Offboarding Guide, People Manager training, and the Procurement Repository New Contractor Issue Template. The updates will emphasize to contracting vendors and contracting vendor managers the importance of following documented guidance and immediately reporting contractor departures as a key component in GitHub's offboarding process and the critical dependency that triggers the automated workflows to promptly offboard contractors.
s were not remediated in with the established SLAs via the documented ocess based on the severity ability.	GitHub has a strong vulnerability management program and is committed to remediating vulnerabilities in accordance with documented SLAs and exception processes. When vulnerabilities fall outside of SLAs, they are escalated to management via the fundamentals process and corrective action is taken. GitHub continues to take action to eliminate vulnerabilities not remediated in accordance with documented SLAs and exception processes. The single vulnerability noted in this exception has
)	vith the established SLAs via the documented ocess based on the severity ability.