



## DATA PROCESSING ADDENDUM

*(Revision January 2020)*

This Data Processing Addendum (“**DPA**”) forms part of the Master Subscription Agreement or other written or electronic agreement between Braze, Inc. and Customer (the “**Agreement**”) for the purchase of online services from Braze (identified either as “**Services**” or otherwise in the applicable agreement, and hereinafter defined as “**Services**”) to reflect the parties’ agreement with regard to the Processing of Personal Data.

By signing the Agreement, Customer enters into this DPA on behalf of itself and, to the extent required under applicable Data Protection Laws and Regulations, in the name and on behalf of its Authorized Affiliates, if and to the extent Braze processes Personal Data for which such Authorized Affiliates qualify as the Controller. For the purposes of this DPA only, and except where indicated otherwise, the term "Customer" shall include Customer and Authorized Affiliates. All capitalized terms not defined herein shall have the meaning set forth in the Agreement.

In the course of providing the Services to Customer pursuant to the Agreement, Braze may Process Personal Data on behalf of Customer, and the Parties agree to comply with the following provisions with respect to any Personal Data, each acting reasonably and in good faith. For the avoidance of doubt, each reference to the DPA in this DPA means this DPA including its Schedules.

### DATA PROCESSING TERMS

#### 1. DEFINITIONS

“**Affiliate**” means any entity that directly or indirectly controls, is controlled by, or is under common control with the subject entity. “Control,” for purposes of this definition, means direct or indirect ownership or control of more than 50% of the voting interests of the subject entity.

“**Authorized Affiliate**” means any of Customer's Affiliate(s) which (i) is subject to the data protection laws and regulations of the European Union, the European Economic Area and/or their member states and/or the United Kingdom, and (ii) is permitted to use the Services pursuant to the Agreement between Customer and Braze.

“**CCPA**” means the California Consumer Privacy Act 2018, Cal. Civ. Code § 1798.100 et seq., and its implementing regulations, as the same may be amended from time to time.

“**Controller**” means the entity which determines the purposes and means of the Processing of Personal Data.

“**Customer Data**” means what is defined in the Agreement as “Customer Data.”

“**Data Protection Laws and Regulations**” means all laws and regulations, including GDPR and CCPA, applicable to a party in its use or provision of the Services, in connection with the Processing of Personal Data under the Agreement.

“**Data Subject**” means the identified or identifiable natural person to whom Personal Data relates.

“**Data Subject Right**” means any right afforded to a Data Subject under Data Protection Laws and Regulations, including the rights to access, rectify, restrict the Processing of Personal Data, erasure (including the right to be forgotten), data portability, objecting to the Processing, or to not be subject to an automated individual decision making.

“**GDPR**” means the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

“**Personal Data**” means any information relating to an identified or identifiable natural person where such data is Customer Data.

“**Processing**” means any operation or set of operations which is performed upon Personal Data, whether or not by automatic means, such as collection, recording, organization, structuring, storage, adaptation or alteration, retrieval, consultation, use, disclosure by transmission, dissemination or otherwise making available, alignment or combination, restriction, erasure or destruction.

“**Processor**” means the entity which Processes Personal Data on behalf of the Controller.

“**Personal Data Breach**” means a security breach leading to the accidental or unlawful destruction, loss, alteration, unauthorized disclosure of, or access to Personal Data, transmitted, stored or otherwise Processed by Braze or its Sub-processors of which Braze becomes aware.

“**Security, Privacy and Architecture Datasheet**” means the Security, Privacy and Architecture Datasheet for the Braze Services, as updated from time to time.

“**Standard Contractual Clauses**” or “**SCC**” means the agreement by and between Customer and Braze, Inc. pursuant to the European Commission’s decision (C(2010)593) of 5 February 2010 on Standard Contractual Clauses for the transfer of personal data to processors established in third countries which do not ensure an adequate level of data protection, a copy of which can be

found at [www.braze.com/legal](http://www.braze.com/legal).

“Sub-processor” means any Processor engaged by Braze or its Affiliates engaged in the Processing of Personal Data.

## 2. PROCESSING OF PERSONAL DATA

- 2.1 Details of the Processing.** The parties acknowledge and agree that with regard to the Processing of Personal Data, Customer is the Controller, Braze is the Processor and that Braze or its Affiliates engaged in the Processing of Personal Data will engage Sub-processors pursuant to the requirements set forth in Section 5 “Sub-processors” below. The subject-matter of Processing of Personal Data by Braze is the performance of the Services pursuant to the Agreement. The duration of the Processing, the nature and purpose of the Processing, the types of Personal Data and categories of Data Subjects Processed under this DPA are further specified in Schedule 3 (Details of the Processing) to this DPA.
- 2.2 Customer’s Processing of Personal Data.** Customer shall, in its use of the Services, Process Personal Data in accordance with the requirements of Data Protection Laws and Regulations. For the avoidance of doubt, Customer’s instructions for the Processing of Personal Data shall comply with Data Protection Laws and Regulations. This DPA and the Agreement are, at the time of signature of the Agreement, Customer’s complete and final documented instructions to Braze for the Processing of Personal Data, and Customer’s configuration of the Services shall constitute an additional instruction to Braze. Any additional or alternate instructions must be agreed upon separately. Customer shall have sole responsibility for the accuracy, quality, and legality of Personal Data and the means by which Customer acquired the Personal Data.
- 2.3 Braze’s Processing of Personal Data.** Braze shall treat Personal Data as Confidential Information and shall only Process Personal Data on behalf of Customer and in accordance with Customer’s documented instructions for the following purposes: (i) Processing in accordance with the Agreement and applicable Order Form(s); (ii) Processing initiated by Users in their use of the Services; and (iii) Processing to comply with other documented reasonable instructions provided by Customer (e.g., via email) where such instructions are consistent with the terms of the Agreement. Braze will Process Personal Data in compliance with applicable Data Protection Laws and Regulations, provided however that Braze shall not be in violation of this contractual obligation in the event that Braze’s Processing of Personal Data in non-compliance with applicable Data Protection Laws and Regulations is due to Customer.

## 3. RIGHTS OF DATA SUBJECTS

- 3.1 Data Subject Requests.** Braze shall, to the extent legally permitted and to the extent Braze is able to identify that the request comes from a Data Subject whose Personal Data was submitted to the Services by Customer, promptly notify Customer if Braze receives a request from a Data Subject in relation to the exercise of any Data Subject Right (“**Data Subject Request**”). Braze shall not respond to a Data Subject Request without Customer’s prior written consent except to confirm that such request relates to Customer, to which Customer hereby agrees.
- 3.2** Taking into account the nature of the Processing, Braze shall assist Customer by providing appropriate technical and organizational measures, insofar as this is possible, for the fulfilment of Customer’s obligation to respond to a Data Subject Request under Data Protection Laws and Regulations.

## 4. BRAZE PERSONNEL

- 4.1 Confidentiality.** Braze shall ensure that its personnel engaged in the Processing of Personal Data are informed of the confidential nature of the Personal Data, have received appropriate training on their responsibilities and have executed written confidentiality agreements. Braze shall ensure that such confidentiality obligations survive the termination of the personnel engagement.
- 4.2 Reliability.** Braze shall take commercially reasonable steps to ensure the reliability of any Braze personnel engaged in the Processing of Personal Data.
- 4.3 Limitation of Access.** Braze shall ensure that Braze’s access to Personal Data is limited to those personnel performing Services in accordance with the Agreement.
- 4.4 Data Protection Officer.** Braze shall comply fully with its obligations with respect to the employment of a data protection officer as required under Data Protection Laws and Regulations.

## 5. SUB-PROCESSORS

- 5.1 Appointment of Sub-processors.** Customer acknowledges and agrees that (a) Braze’s Affiliates may be retained as Sub-processors; and (b) Braze and Braze’s Affiliates respectively may engage third-party Sub-processors in connection with the provision of the Services. Braze or a Braze Affiliate has entered into a written agreement with each Sub-processor containing data protection obligations not less protective than those in this DPA with respect to the protection of Personal Data to the extent applicable to the nature of the Services provided by such Sub-processor.

- 5.2 List of Current Sub-processors and Notification of New Sub-processors.** Attached hereto as Schedule 2 is a current list of Sub-processors for the Services. Such Sub-processor list shall include the identities of those Sub-processors, their country of location as well as the type of processing they perform. Braze will notify Customer of a new Sub-processor(s) before authorizing any new Sub-processor(s) to Process Personal Data in connection with the provision of the applicable Services.
- 5.3 Objection Right for New Sub-processors.** Customer may object to Braze's use of a new Sub-processor by notifying Braze promptly in writing within ten (10) business days after receipt of Braze's notice in accordance with Section 5.2. In the event Customer objects to a new Sub-processor, as permitted in the preceding sentence, Braze will use reasonable efforts to make available to Customer a change in the Services or recommend a commercially reasonable change to Customer's configuration or use of the Services to avoid Processing of Personal Data by the objected-to new Sub-processor without unreasonably burdening Customer. If Braze is unable to make available such change within a reasonable period of time, which shall not exceed thirty (30) days, Customer may terminate the applicable Order Form(s) with respect only to those Services which cannot be provided by Braze without the use of the objected-to new Sub-processor, by providing written notice to Braze. Braze will refund to Customer any prepaid fees covering the remainder of the term of such Order Form(s) following the effective date of termination with respect to such terminated Services, without imposing a penalty for such termination on Customer.
- 5.4 Liability for Sub-processors.** Braze shall be liable for the acts and omissions of its Sub-processors to the same extent Braze would be liable if performing the services of each Sub-processor directly under the terms of this DPA.

## **6. SECURITY**

- 6.1 Controls for the Protection of Customer Data.** Braze shall maintain appropriate technical and organizational measures for protection of the security (including protection against Personal Data Breach), confidentiality and integrity of Customer Data, as set forth in the Security, Privacy and Architecture Datasheet attached hereto as Schedule 1. Braze regularly monitors compliance with these measures. Customer is responsible for reviewing the information made available by Braze relating to data security and making an independent determination as to whether the Services meet Customer's requirements and legal obligations under Data Protection Laws and Regulations. Customer acknowledges that the security measures described within the Security, Privacy and Architecture Datasheet are subject to technical progress and development and that Braze may update or modify such document from time to time provided that such updates and modifications do not result in a material decrease of the overall security of the Services during a subscription term.
- 6.2 Customer Data Incident Management and Notification.** Braze maintains security incident management policies and procedures specified in the Security, Privacy and Architecture Datasheet and shall notify Customer without undue delay after becoming aware of a Personal Data Breach. Braze shall provide information to Customer necessary to enable Customer to comply with its obligations under Data Protection Laws and Regulations. The content of such communication to Customer will (i) include the nature of Processing and the information available to Braze, and (ii) take into account that under applicable Data Protection Laws and Regulations, Customer may need to notify regulators or individuals of the following: (a) a description of the nature of the Personal Data Breach including, where possible, the categories and approximate number of individuals concerned and the categories and approximate number of Personal Data records concerned; (b) a description of the likely consequences of the Personal Data Breach; and (c) a description of the measures taken or proposed to be taken to address the Personal Data Breach, including, where appropriate, measures to mitigate its possible adverse effects. Braze shall make commercially reasonable efforts to identify the cause of such Personal Data Breach and take those steps as Braze deems necessary and reasonable in order to remediate the cause of such Personal Data Breach to the extent the remediation is within Braze's reasonable control. The obligation to remediate the cause of a Personal Data Breach shall not apply to Personal Data Breaches that are caused by Customer or Customer's Users.
- 6.3 Third-Party Certifications and Audits.** Braze has obtained the third-party certifications and audits set forth in the Security, Privacy and Architecture Datasheet. Upon Customer's written request at reasonable intervals, and subject to the confidentiality obligations set forth in the Agreement, Braze shall allow for and contribute to audits and inspections ("Audits") conducted by Customer (or Customer's independent, third-party auditor that is not a competitor of Braze and that is subject to confidentiality obligations substantially similar to those set forth in the Agreement), by providing any information regarding Braze's compliance with the obligations set forth in this DPA in the form of a copy of Braze's then most recent third-party audits or certifications, as applicable, that Braze makes available to its customers generally. Customer may perform an Audit remotely or on-site, up to one (1) time per year, with at least three (3) week's advance written notice, unless otherwise required by Customer's regulators or applicable law. If Customer requests an on-site Audit, the following terms shall apply: (a) such Audit shall be limited to facilities operated by Braze and shall not exceed one (1) business day; (b) before the commencement of any such on-site Audit, Customer and Braze shall mutually agree upon the scope and timing of the Audit; (c) Customer shall reimburse Braze for actual expenses and costs incurred in connection with such Audit; and (d) Customer shall promptly notify Braze with information regarding any non-compliance discovered during the course of an Audit.

## 7. RETURN AND DELETION OF CUSTOMER DATA

Braze shall return Customer Data by enabling Customer to export its Customer Data as set forth in the Agreement and shall delete Customer Data, in accordance with the Agreement, applicable laws and the Security, Privacy and Architecture Datasheet.

## 8. AUTHORIZED AFFILIATES

**8.1 Relationship between Braze and Customer's Authorized Affiliates.** The parties acknowledge and agree that, by executing the Agreement, the Customer enters into this DPA on behalf of itself and, as applicable, in the name and on behalf of its Authorized Affiliates, thereby establishing an independent DPA between Braze and each such Authorized Affiliate, subject to the provisions of the Agreement and this Section 8 and Section 9. Each Authorized Affiliate agrees to be bound by the obligations under this DPA and, to the extent applicable, the Agreement. For sake of clarity, an Authorized Affiliate is not and does not become a party to the Agreement, and is only a party to this DPA. All access to and use of the Services by Authorized Affiliates must comply with the terms and conditions of the Agreement and any violation of the terms and conditions of the Agreement by an Authorized Affiliate shall be deemed a violation by Customer.

**8.2 Communication.** The Customer that is the contracting party to the Agreement shall remain responsible for coordinating all communication with Braze under this DPA and be entitled to make and receive any communication in relation to this DPA on behalf of its Authorized Affiliates.

**8.3 Rights of Authorized Affiliates.** Where an Authorized Affiliate executes a DPA with Braze, it shall to the extent required under applicable Data Protection Laws and Regulations, be entitled to exercise the rights and seek remedies under this DPA, subject to the following:

**8.3.1** Except where applicable Data Protection Laws and Regulations require the Authorized Affiliate to exercise a right or seek any remedy under this DPA against Braze directly by itself, the parties agree that (i) solely the Customer that is the contracting party to the Agreement shall exercise any such right or seek any such remedy on behalf of the Authorized Affiliate, and (ii) the Customer that is the contracting party to the Agreement shall exercise any such rights under this DPA not separately for each Authorized Affiliate individually but in a combined manner for all of its Authorized Affiliates together.

**8.3.2** The parties agree that the Customer that is the contracting party to the Agreement shall, when carrying out an on-site Audit, take all reasonable measures to limit any impact on Braze and its Sub-Processors by combining, to the extent reasonably possible, several Audit requests carried out on behalf of different Authorized Affiliates in one single Audit.

## 9. LIMITATION OF LIABILITY

Each party's and all of its Affiliates' liability, taken together in the aggregate, arising out of or related to this DPA, and all DPAs between Authorized Affiliates and Braze, whether in contract, tort or under any other theory of liability, is subject to the 'Limitation of Liability' section of the Agreement, and any reference in such section to the liability of a party means the aggregate liability of that party and all of its Affiliates under the Agreement and all DPAs together.

## 10. EUROPEAN SPECIFIC PROVISIONS

**10.1 Data Protection Impact Assessment.** Upon Customer's request, Braze shall provide Customer with reasonable cooperation and assistance needed to fulfill Customer's obligation under the GDPR to carry out a data protection impact assessment related to Customer's use of the Services, to the extent Customer does not otherwise have access to the relevant information, and to the extent such information is available to Braze. Braze shall provide reasonable assistance to Customer in the cooperation or prior consultation with the Supervisory Authority (as defined in the GDPR) in the performance of its tasks relating to this Section 10.1 of this DPA, to the extent required under the GDPR.

**10.2 Infringing instructions.** Braze shall immediately inform the Customer if, in its opinion, an instruction infringes GDPR.

**10.3 Transfer mechanism(s) for data transfers.** As of the Effective Date of this DPA, with regard to any transfers of Personal Data under this DPA from the European Union, Switzerland, the European Economic Area and/or their member states and the United Kingdom to countries which do not ensure an adequate level of data protection within the meaning of Data Protection Laws and Regulations of the foregoing territories, to the extent such transfers are subject to such Data Protection Laws and Regulations, Braze makes available the following transfer mechanism(s) which shall apply, in the order of precedence as set out below, if applicable:

- i. The EU-US and Swiss-US Privacy Shield frameworks, so long as Braze remains self-certified to such frameworks;
- ii. The Standard Contractual Clauses, in accordance with the following terms:
  1. For purposes of the SCC, when and as applicable, Customer and any applicable Authorized Affiliates are each



the data exporter, and Customer’s signing of this DPA or an Agreement referencing this DPA, or a Customer’s Affiliate signing an Order Form under an Agreement referencing this DPA, shall be treated as signing of the SCC and their appendices. Braze’s signature of this DPA or an Agreement referencing this DPA shall be treated as signing of the SCC and their appendices. Details required under the SCC’s Appendix 1 are available in Schedule 3 to this DPA and under the SCC’s Appendix 2 are outlined in Schedule 1 to this DPA. In the event of any conflict or inconsistency between this DPA and the SCC, the SCC shall prevail.

- 2. Section 5 of this DPA represents Customer’s express consent regarding existing and new Sub-processors under Clause 5(h) of the SCC. Copies of the Sub-processor agreements that must be provided by Braze to Customer pursuant to Clause 5(j) of the SCC may have all commercial information, or clauses unrelated to the SCC or their equivalent, removed by Braze beforehand; such copies will only be provided by Braze upon request by Customer.
- 3. Audits pursuant to Clause 5(f) and Clause 12(2) of the SCC shall be carried out in accordance with Section 6.3 of this DPA.
- 4. The parties agree that the certification of deletion of Personal Data that is described in Clause 12(1) of the SCC shall only be provided by Braze to Customer upon Customer’s request.

**11. CALIFORNIA CONSUMER PRIVACY ACT OF 2018**

**11.1** Effective as of January 1, 2020, the following shall apply for Customers subject to the CCPA:

- 11.1.1** All references to Data Protection Laws and Regulations in this DPA shall be deemed to include a reference to the CCPA;
- 11.1.2** All references to Personal Data in this DPA shall be deemed to include Personal Information, as defined in the CCPA, provided such data is Customer Data;
- 11.1.3** All references to “Controller” in this DPA shall be deemed to be references to “**Business**,” as defined in the CCPA;
- 11.1.4** All references to “Processor” in this DPA shall be deemed to be references to “**Service Provider**,” as defined in the CCPA;
- 11.1.5** Any capitalized term used in this Section 11 but not defined herein, shall have the meaning set forth in the CCPA.

**11.2** Braze shall not Sell any Personal Information.

**11.3** Braze will Process Personal Information solely as set forth in Section 2.3 (the “**Business Purpose**”), and shall not retain, use, or disclose the Personal Information for any purpose other than the Business Purpose.

**11.4** Braze does not receive any Personal Information from Customer as consideration for Braze’s provision of the Services.

**11.5** Braze certifies that it understands the restrictions set forth in this Section 11 and will comply with them.

**List of Schedules:**

Schedule 1: Braze Security, Privacy and Architecture Datasheet

Schedule 2: List of Sub-Processors as of the Effective Date

Schedule 3: Details of the Processing

The parties' authorized signatories have duly executed this Agreement

**CUSTOMER:** \_\_\_\_\_

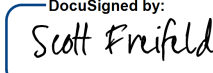
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Title: \_\_\_\_\_

Date: \_\_\_\_\_

**BRAZE, INC.**

DocuSigned by:  
  
Signature: \_\_\_\_\_

Printed: **Scott Freifeld**

Title: **Senior Director, Revenue Operations**

Date: **12/30/2019**

## SCHEDULE 1

### **Braze Security, Privacy, and Architecture Information Security Datasheet**

*(effective as of June 2019; subject to change without notice)*

**Introduction** The goal of this document is to provide high-level information to our customers regarding Braze's commitment to security and data protection.

**Braze's Corporate Trust Commitment** Braze is committed to achieving and maintaining the trust of our customers. Our goal is to be as transparent as possible with our customers in offering state of the art security and protections to meet and even exceed expectations in today's modern computing world.

**General Policy** Braze has a documented information security policy that all employees must read and acknowledge. This policy is reviewed and updated annually. Security policy development, maintenance and issuance is the responsibility of the CTO.

**Braze Infrastructure** Braze currently hosts the Services in the United States with Amazon Web Services in its US- East data center. For Braze customers who have their Customer Data stored in Europe, that is hosted with Amazon Web Services in their Frankfurt data center. Certain databases are managed by ObjectRocket, a Rackspace company, which provides database support services in either the US or Germany based on data center needs.

**Third-Party Architecture** Braze may use one or more third-party content delivery networks to provide the Braze Services and to optimize content delivery via the Braze Services. Content items to be served to subscribers or end-users, such as images or attachments uploaded to the Braze Services, may be cached with such content delivery networks to expedite transmission.

Information transmitted across a content delivery network may be accessed by that content delivery network solely to enable these functions.

**Audits, Certifications, and Regulatory Compliance:** Braze is ISO 27001 certified and SOC 2 compliant. Braze also self-certifies to the EU-US and Swiss-US Privacy Shield Frameworks and is HIPAA compliant.

#### **Security Controls**

##### 1. *Organization Security*

Braze's CTO is responsible for the overall security of the Braze Services, including oversight and accountability. Braze's contracts with third-party hosting providers such as Rackspace and Amazon Web Services include industry standard information protection requirements.

##### 2. *Asset Classification and Logical Access Control*

Braze maintains an inventory of essential information assets such as servers, databases, and information. All customer data is classified as Confidential by Braze.

All Braze servers run Ubuntu LTS and Braze adopts the principle of least privilege for all accounts running application or database services, as well as with its own staff. For example, Customer Success Managers only have access to the regions for which they are directly responsible. Braze maintains separate development, staging (or sandbox), user acceptance testing, and production environments access to each environment and within each environment is strictly controlled.

Access to Braze's servers are controlled via revocable SSH keys managed via configuration management and rotated at least annually. All accessing of Braze's servers or Customer Data is logged and can only be accessed through Braze's VPN, which uses multi-factor authentication. Database access is controlled via 32 and 64-character password.

Braze's HR onboarding and off-boarding processes handle provisioning and de- provisioning of accounts and access.

##### 3. *Personnel Security*

All employees at Braze sign a nondisclosure agreement when their employment begins. In addition, Braze conducts background checks of its employees as part of its onboarding process. In addition, all employees are informed of and agree to comply with Braze's security policies and practices as a part of their initial onboarding. System administrators, developers and other users with privileged usage receive special and ongoing training and are subjected to additional background screening.

##### 4. *Physical and Environmental Security*

Access to Braze facilities is controlled by 24-hour security. Additionally, all Braze offices are protected by locked access and are under 24-hour video surveillance. All Braze employee workstations are encrypted and password protected, and all Braze user accounts require two- factor authentication.

Data centers and servers are managed and controlled by either Rackspace or Amazon Web Services. Details regarding the security applicable to these facilities can be found at <http://www.rackspace.com/security/> and <https://aws.amazon.com/security/>. Braze employees have no access to any of these data centers.

#### 5. *Policies and Logging*

The Braze Services are operated in accordance with the following procedures to enhance security:

- User passwords are never transmitted in clear text and use industry-standard hashing functions to determine password validity
- API key information for third-party services provided by the customer are encrypted for storage
- Braze keeps audit logs for all access to production servers
- Server access is controlled via public key access instead of using passwords. Server access is only permitted while on VPN that requires multi-factor authentication.
- Logs are stored in a secure centralized host to prevent tampering
- Braze application and ssh audit logs are stored for one year
- Passwords are not logged under any circumstances
- Access to Braze mail and document services is only allowed on approved mobile devices that have automated security policies enforced, such as encryption, autolock and passwords
- All access to customer dashboard accounts by Braze Employees must be done via an internal service that is accessible via a three factor VPN only. As part of Braze's Employee Information Security Policy, employees may not store any Customer Data on removable media.

#### 6. *Intrusion Detection*

Braze monitors system, user, and file behavior across its infrastructure using a host based Intrusion Detection System. Intrusion Detection alerts are monitored by the Security and DevOps teams 24/7. Additionally, Braze may analyze data collected by users' web browsers (e.g., device type, screen resolution, time zone, operating system version, browser type and version, system fonts, installed browser plug-ins, enabled MIME types, etc.) for security purposes, including to detect compromised browsers, to prevent fraudulent authentications, and to ensure that the Braze Services function properly.

Braze's APIs and Dashboard use strict role-based access controls and user permissioning. Any unauthorized web requests and API calls are logged and automatically alert Braze's engineering team.

#### 7. *Security Logs*

All Braze systems used in the provision of the Braze Services, including firewalls, routers, network switches and operating systems, log information to their respective system log facility or a centralized syslog server (for network systems) in order to enable security reviews and analysis. Braze has automated alerts and searches for such logs.

#### 8. *System Patching and Configuration Management*

Braze patches its servers and rebuilds its entire cloud infrastructure from configuration management systems on a regular basis, which ensures that the latest patches are applied and that we "reset" back to a known, clean state. Braze's configuration management system regularly applies patches via Linux repositories. Braze uses Chef configuration management tool to automate this entire process, and our entire infrastructure. Braze maintains multiple environments and tests all changes in containerized development environments and in live staging environments before making changes to production environments.

#### 9. *Vulnerability Management*

Braze's infrastructure and applications are continuously scanned by a Vulnerability Management System. Alerts are monitored by our Security Team and addressed at least monthly by the Braze Vulnerability Management Team. Braze also maintains a list membership to various CVE vulnerability mailing lists. Patches and known vulnerabilities are remediated no later than 30 days following discovery.

Braze uses static code analysis tools during the build process (such as Brakeman and bundler-audit) to perform static security analysis.

#### 10. *Third-Party Penetration Testing*

Braze undergoes a third-party penetration test of the Braze Services on an annual basis.

#### 11. *Monitoring*

For technical monitoring, maintenance and support processes, Braze uses a combination of tools to ensure that processes and servers are running properly, including but not limited to:

- Process monitoring
- CPU, disk, and memory monitoring
- Uptime monitoring

- Functional monitoring
- Database monitoring
- APM performance monitoring
- Error monitoring

12. *Customer Access Control. The Braze Services include a variety of security controls. These controls include:*

- API IP Whitelisting - Defines the range of IP addresses from which a customer's users can access the Braze API to prevent unauthorized third parties from accessing the Braze Services.
- Dashboard Account IP Whitelisting - Defines a range of IP addresses from which a customer's users can access the Braze Dashboard to prevent unauthorized parties from accessing the Braze Services.
- Single-sign on with a Google Account - Customers can access the Braze Services by means of a Google Account, which allows customers to configure such access to require two-factor authentication.
- Single-sign on via Okta - Customers can access the Braze Services via Okta, which allows customers to configure access via their Okta installation.
- Mobile Authenticator - Customers can enable two factor authentication via Authy which allows a mobile authenticator to be required for access to the Braze Dashboard.
- Customer Configurable Roles and Permissions - Customers have the option to manage their users of the Braze Services through selective permissioning.
- All requests on the Braze Dashboard have cross-site request forgery (CSRF) protection. All web services use encrypted HTTPS for all traffic and disallow all HTTP traffic via HTTP Strict Transport Security ("HSTS").
- Braze does not use cookies for session storage to avoid replay attacks. Sessions expire after a few hours of inactivity.
- User passwords on the Braze Dashboard must meet minimum password length requirements. At the customer's request, Braze can add password complexity requirements, such as lowercase, uppercase, numeral, and special characters, and set a password expiration policy such that users must change their passwords regularly.
- User password history of the last six passwords prevents the reuse of User passwords on the Braze Dashboard.
- Failed login attempts are recorded and an account is locked out with the owner notified after multiple failed attempts.
- Communication from the Braze SDK requires an API key. A customer's SDK API key cannot be used to read or export information.
- Braze's REST APIs are accessed with separate API keys and are only visible to dashboard accounts with administrative access.

13. *Development and Maintenance*

Braze uses tools such as GitHub and Jenkins to effectively manage the development lifecycle. During testing, Braze generates sandbox accounts and fake data for testing.

Braze does not use production data in sandbox accounts. Application source control is provided using private GitHub repositories. Braze has controls in place to ensure that all code must be approved before being merged to Braze's main code branch; only the CTO and approved employees are granted access to promote code to production.

Braze developers receive additional security training as part of their onboarding and undergo regular and periodic security training during the term of their employment. Braze maintains a list of core security principles for engineering and high-level guidelines on security topics for secure software development.

14. *Malware Prevention*

As a mitigating factor against malware, all Braze servers run LTS Editions of Operation Systems as well as ClamAV and/or Sophos for virus and malware protection. Braze adopts the principle of least privilege for all accounts running application or database services. Proper change management ensures that only authorized packages are installed via a package management system containing only trusted software, and that software is never installed manually. All Braze employee computers have virus scanners installed and updated definitions sent out from a central device management platform.

15. *Information Security Incident Management*

Braze maintains security incident management policies and procedures. Braze promptly notifies impacted customers of any actual or reasonably suspected unauthorized access, use or disclosure of their respective Customer Data by Braze or its agents of which Braze becomes aware to the extent permitted by law.

Braze has 24x7x365 on-call incident management staff. Braze uses tools such as PagerDuty to ensure complete coverage with defined escalation policies.

Braze maintains an Incident Response Plan to be enacted in the event of an incident.

16. *Data Encryption*

The Braze Services use industry-accepted encryption products to protect Customer Data and communications during transmissions between a customer's network and the Braze Services, including 256-bit TLS Certificates and 4096-bit RSA public keys at a



minimum.

Braze audits the TLS ciphers used in connection with the provision of the Services with third- party security auditors to ensure that anonymous or weak ciphers are not used.

Such audits also confirm that the Services do not allow client renegotiation, support downgrade attack protection and forward secrecy.

Data that is shipped to Amazon Web Services is encrypted in transit and also at-rest using AES- 256 encryption via Amazon's managed encryption key process. Data that is shipped to Rackspace is encrypted in transit and also at-rest using AES-256 encryption via Rackspace's managed encryption key process.

Where use of the Services requires a customer to provide access to third party services (for example, an API key to access a customer's email service provider to enable the sending of email through the Braze Services), Braze performs additional encryption of that information (such API key, system password, etc.).

17. *Return and Deletion of Customer Data*

The Braze Services allow import, export and deletion of Customer Data by authorized users at all times during the term of a customer's subscription. Following termination or expiration of the Services, Braze shall securely overwrite or delete Customer Data within 60 days following any such termination, in accordance with the Agreement, applicable laws and the Documentation.

18. *Reliability and Backup*

All networking components, SSL accelerators, load balancers, Web servers and application servers are configured in a redundant configuration. All Customer Data submitted to the Braze Services is stored on a primary database server with multiple active clusters for higher availability. All database servers replicate in near real-time and are backed up on a regular basis. Backups stored on backup media are encrypted using AES-256 encryption. Backups are verified for integrity.

19. *Business Continuity Management and Disaster Recovery*

Braze has a written Business Continuity and Disaster Recovery Plan, which is tested annually. Braze has tested database backups and failovers as part of our Business Continuity Plan. Backups are encrypted and stored in Amazon Web Services and Rackspace provided backup services.

20. *Mobile Device Management Policies*

Braze uses Mobile Device Management ("MDM") platforms to control and secure access to Braze resources on mobile devices such as phones, tablets, and laptops. Braze uses Google for its phone and tablet MDM policy and enforces common security settings such as, but not limited to, encryption, lock screen passwords, password expiration, display timeouts, and remote location and remote wipe. Furthermore, Braze uses JAMF for laptop and desktop management to enforce common security settings, including but not limited to, hard disk encryption, security patches, and remote location and remote wipe capabilities.

21. *Contacts*

Braze's Security Team can be reached at [security@braze.com](mailto:security@braze.com).

**SCHEDULE 2****SUB-PROCESSORS USED IN CONNECTION WITH THE BRAZE SERVICES**

This Schedule describes the Processors and Sub-processors material to Braze's provision of the Braze Services.  
(effective as of the Effective Date; subject to change)

Last Modified: January 2020

Braze, Inc. ("Braze") uses certain Sub-processors, including certain wholly-owned subsidiaries of Braze (as described below) in connection with its provision of the Braze Services to its customers.

As used herein, Sub-processors refer to Affiliates of Braze and third parties who process Personal Data on behalf of Braze. Third parties engaged by Braze as Sub-processors are subject to written agreements that contain confidentiality and security commitments not less protective than those in the DPA with respect to the protection of Personal Data to the extent applicable to the nature of the Services provided by such Sub-processor. Braze remains responsible for the acts and omissions of its Sub-processors. Terms used herein without definition are used as defined in the MSA.

As part of Braze's customer onboarding process, Customers will be requested to provide appropriate contact details to receive notice of new Sub-processors.

Infrastructure Sub-processors – Storage of Personal Data

| Entity Name                            | Services Provided   | Location of Processing        |
|--|---|-------------------------------|
| Amazon Web Services, Inc.              | Third-party hosting provider  | United States                 |
| Amazon Web Services Germany GmbH       | Third-party hosting provider  | European Union                |
| Amazon Web Services Ireland Ltd.       | Third-party hosting provider  | European Union                |
| MongoDB, Inc.                          | Managed database service provider for storage of End User profiles for customers who choose to store data in the EU | European Union                |
| ObjectRocket, LLC, a Rackspace company | Managed database service provider for storage of End User profiles  | United States, European Union |

Sub-processors – Personal Data Processing

| Entity Name                           | Services Provided   | Location of Processing        |
|---------------------------------------|---|-------------------------------|
| Braze, Ltd.                           | Wholly-owned subsidiary providing customer success and support services   | European Union                |
| Braze Pte Ltd.                        | Wholly-owned subsidiary providing customer success and support services   | Singapore                     |
| Looker Data Sciences, Inc             | Business intelligence software used to analyze Customer Data to identify trends and business outcomes.  | United States                 |
| MailJet inc.                          | Email delivery provider   | European Union                |
| SendGrid, Inc.                        | Email delivery provider   | United States                 |
| Message Systems, Inc. (dba SparkPost) | Email delivery provider   | European Union                |
| Snowflake Computing Inc.              | Snowflake is a data warehouse used by Braze to provide enhanced analytics on Customer Data to customers. Data sent to Snowflake may include Personal Data, event-based data, and campaign and app metadata such as campaign outcomes. | United States, European Union |

|             |   |        |
|-------------|---|--------|
| Twilio Inc. | SMS aggregator used to deliver SMS messages | Global |
|-------------|---|--------|

#### Content Delivery Networks

The Braze Services use content delivery networks (“CDNs”) to provide the Braze Services, for security purposes, to support user authentication, and to optimize content delivery. CDNs are commonly used systems of distributed services that deliver content based on the geographic location of the individual accessing the content and the origin of the content provider. Content items that are transmitted via CDNs tend to be high content data (videos, images) that have been uploaded to the Braze Services and may be cached by a CDN to expedite delivery of such content to End Users.

| Name of CDN               | Description of CDN Services  | Location of Processing |
|---------------------------|--|------------------------|
| Amazon Web Services, Inc. | Content delivery network used by Braze to optimize content delivery  | Global                 |
| Fastly, Inc.              | Content delivery network used by Braze for the routing of encrypted API calls to Braze servers, and to optimize content delivery | Global                 |

#### Monitoring, Diagnostic, and Support Services

The Braze Services use certain third-party vendors in connection with the delivery of the Braze Services. These third parties may process Personal Data in connection with monitoring, troubleshooting, and the provision of support to customers.

| Entity Name  | Services Provided   | Location of Processing |
|--|---|------------------------|
| DataDog, Inc.                                      | Application performance monitoring, infrastructure and network monitoring, and error capturing. Braze may provide End User or dashboard Customer metadata, such as user identifiers, to DataDog for support and application troubleshooting and to improve performance of the Braze Services. | United States          |
| Sentry, registered under Functional Software, Inc. | Error tracking platform used by the Braze Services to capture errors that occur in the Braze Services. Braze may include dashboard Customer metadata such as user identifiers to Sentry for support and application troubleshooting and improving performance.                                | United States          |
| SkillJar, Inc.                                     | SkillJar is a learning management system used by Braze for training and enablement of Braze customers for use of the Braze Services. Braze provides identifiers such as name and email address to SkillJar to enable single sign-on functionality.  | United States          |
| SolarWinds Worldwide, LLC.                         | Log management platform used by the Braze Services for diagnostic purposes. Braze may include End User or dashboard customer metadata such as user identifiers in its logs for support troubleshooting.   | United States          |

## SCHEDULE 3

### DETAILS OF THE PROCESSING

#### **Nature and Purpose of Processing**

Braze will Process Personal Data as necessary to perform the Services pursuant to the Agreement, as further specified in the Documentation, and as further instructed by Customer in its use of the Services.

#### **Duration of Processing**

Subject to Section 7 of the DPA, Braze will Process Personal Data for the duration of the Agreement, unless otherwise agreed upon in writing.

#### **Categories of Data Subjects**

Customer may submit Personal Data to the Services, the extent of which is determined and controlled by Customer in its sole discretion, and which may include, but is not limited to, Personal Data relating to the following categories of Data Subjects:

- (i) Prospects, customers, End-Users, business partners and vendors of Customer (who are natural persons)
- (ii) Employees or contact persons of Customer's prospects, customers, business partners and vendors
- (iii) Employees, agents, advisors, freelancers of Customer (who are natural persons)
- (iv) Customer's Users authorized by Customer to use the Services

#### **Type of Personal Data**

Customer may submit Personal Data to the Services, the extent of which is determined and controlled by Customer in its sole discretion, and which may include, but is not limited to the following categories of Personal Data:

1. Email address
2. Device data
3. ID data
4. Personal life data

### **Details relevant for Appendix 1 to Standard Contractual Clauses**

#### **Data exporter**

The data exporter is the Customer or a Customer Authorized Affiliate, i.e., a company that wishes to manage its customer engagement via the Braze Services.

#### **Data importer**

The data importer is Braze, a company which processes Personal Data upon the instruction of the data exporter in accordance with the terms of the Agreement.

#### **Data subjects**

The personal data transferred concern the following categories of data subjects: the data subjects listed above in "Categories of Data Subjects", in particular the data exporter's Users of the Braze Services and End-Users.

#### **Categories of data**

The personal data transferred concern the following categories of data: Event data, application data, email address, location data, application settings and preferences, campaign data, connections with social networks or other platforms, device data.

#### **Special categories of data (if appropriate)**

The personal data transferred concern the following special categories of data: N/A

#### **Processing operations**

The personal data transferred will be subject to the following basic processing activities:

The Personal Data transferred is stored by the data importer and accessible by the data exporter within a web interface to enable the data exporter to segment their user audience and create targeted multi-channel messaging.