LOGIN.GOV

Attempts API events

Draft Revision History

Revision Number	Date	Person Posting Change	Change Description	Sections Changed
1.0	Jan 22, 2025	Davida Marion - Q2AABB	Created	All
2.0	Mar 20, 2025	Davida Marion - Q2AABB	Removed events that were not associated with a milestone	account-reset-cancel-request account-reset-request-submitted forgot-password-email-rate-limited personal-key-reactivation-submitted personal-key-reactivation-rate-limited idv-document-upload-method-selected idv-gpo-verification-rate-limited idv-password-entered idv-personal-key-generated idv-phone-upload-link-sent idv-phone-upload-link-used mfa-enroll-options-selected logged-in-profile-change-reauthentication-submitted logged-in-profile-change-reauthentication-rate-limited
			Added events for milestones that were not represented	idv-address-submitted idv-document-uploaded idv-enrollment-complete idv-ipp-ready-to-verify-visit login-completed
3.0	Apr 7, 2025	Davida Marion - Q2AABB	Removed individual MFA submitted events	mfa-login-backup-code-submitted mfa-login-phone-otp-submitted mfa-login-piv-cac-submitted mfa-login-totp-submitted mfa-login-webauthn-platform-submitted mfa-login-webauthn-roaming-submitted mfa-submission-code-rate-limited
			Added mfa-login-auth-submitted event with individual attributes and `mfa_device_type`	mfa-login-auth-submitted
4.0	May 7, 2025	Davida Marion - Q2AABB	Removed: Individual MFA enrollment events	mfa-enroll-backup-code mfa-enroll-phone-otp-sent mfa-enroll-phone-otp-submitted mfa-enroll-piv-cac mfa-enroll-totp mfa-enroll-webauthn-platform mfa-enroll-webauthn-roaming
			Added Generic MFA enrolled event with individual attributes and mfa_device_type Added session timeout event	mfa-enrolled session-timeout

LOGIN.GOV

			Updated several fields to include overlooked attributes	`language` attribute added to all events `occurred_at` description updated for all events
				idv-address-submitted (including specific address line fields)
				idv-document-upload-submitted (including specific address line fields)
				Idv-enrollment-complete (`reproof` attribute added)

Events

account-reset-account-deleted

A user requesting an account reset has completed the process. As a result, the account was deleted successfully.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.

Property name	Type	Description
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: token type: array description: Errors that explain the failure. items: {"type" => "string", "enum" => ["The link to delete your Login.gov account has expired. Please create another request to delete your account."]}
success	boolean	Indicates whether the account was successfully deleted.

forgot-password-email-confirmed
A password reset having been previously requested, a user has clicked the link in the email to reset their password, confirming the email address's validity.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345

Property name	Type	Description
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: user type: array description: Errors that explain the failure. "blank" indicates that the token provided in the link is invalid, i.e. does not match an existing user. items: {"type" => "string", "enum" => ["blank", "token_expired"]}
success	boolean	Indicates whether the link clicked on by a user is valid and not expired.

forgot-password-email-sent
A user has requested a password reset.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.

Property name	Type	Description
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
email	string	User's email address

forgot-password-new-password-submitted
After previously requesting a password reset and having already clicked through from the email, a user has now submitted a new password.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID

Property name	Type	Description
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: password type: array description: Errors that explain the failure. items: {"type" => "string", "enum" => ["pwned", "too_short"]} reset_password_token type: array description: Errors that explain the failure. items: {"type" => "string", "enum" => ["token_expired_error"]}
success	boolean	Indicates whether the new password was successfully submitted.

idv-address-submitted
User manually submitted an IdV address

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
address1	string	
address2	string	
city	string	

Property name	Type	Description
state	string	
country	string	
zip	string	
address_edited	boolean	True if updated address does not match document address
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: state type: string description: An OPTIONAL key if the code does not match enum: ["blank"] zipcode type: string enum: ["pattern_mismatch"] city type: string enum: ["blank"] address1 type: string enum: ["blank", "too_long"] address2 type: string enum: ["too_long"]
success	boolean	Indicates whether the entered code matched the code that was sent confirming the address

idv-document-upload-submitted
The document was uploaded during identity proofing and authenticated by the vendor.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.

Property name	Type	Description
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
document_state	string	Driver's licenses document_state
document_number	string	Driver's license number
document_issued	string	Issuance date
document_expiration	string	Driver's license expiration
first_name	string	
last_name	string	

Property name	Type	Description
date_of_birth	string	
address1	string	
address2	string	
city	string	
state	string	
country	string	
zip	string	
document_front_image_file_id	string	The ID used to retrieve this image if needed
document_back_image_file_id	string	The ID used to retrieve this image if needed
document_selfie_image_file_id	string	The ID used to retrieve this image if needed
document_front_image_encryption_key	string	Randomly generated Base64-encoded key used to encrypt the front image file.
document_back_image_encryption_key	string	Randomly generated Base64-encoded key used to encrypt the back image file.
document_selfie_image_encryption_key	string	Randomly generated Base64-encoded key used to encrypt the selfie image file if it exists.
liveness_checking_required	boolean	Indicates whether liveness checking is required

Property name	Type	Description
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: pii type: array description: Errors that describe the failure items: {"type" => "string", "enum" => ["We couldn't read the barcode on the back of your ID. It could be because of a problem with the barcode, or the barcode is a new type that we don't recognize yet. Use another state-issued ID if you have one.", "We couldn't read the barcode on the back of your ID. Try taking a new picture.", "We couldn't read the birth date on your ID. Try taking new pictures.", "We couldn't read the reference number on the back of your ID. Try taking a new picture.", "We couldn't recognize your ID. It may be worn or damaged, or the front and the back of the ID don't match. Try taking new pictures.", "We couldn't read the document number on your ID. Try taking new pictures.", "The document has expired, or we couldn't read the expiration date on your ID. If your ID is not expired, try taking new pictures.", "We couldn't read the full name on your ID. Try taking new pictures.", "We couldn't recognize your ID. It may be worn, damaged, or a type of ID that we don't recognize. Try taking new pictures.", "We couldn't verify your ID. It might have moved when you took the picture. Try taking new pictures.", "We couldn't read the issue date on your ID. Try taking new pictures.", "We couldn't read the control number barcode. Try taking new pictures.", "We couldn't read the sex on your ID. Try taking new pictures.", "We couldn't verify your ID. It might have moved when you took the picture, or the picture is too dark. Try taking new pictures in brighter lighting.", "We couldn't verify the photo on your ID. Try taking new pictures.", "If the information below is incorrect, please upload new photos of your state-issued ID.", "We couldn't read the barcode on your ID.", "Your camera is blocked", "We don't have permission to access the camera. Please check your browser or system settings, reload this page, or upload a photo instead.", "Camera failed to start, please try again.", "Image is too small or blurry, please try again.", "We couldn't read your ID. Your image sizes may be too small, or your ID is too small or blurry in the photos. Make sure your ID is large within the image frame and try taking new pictures.", "This file type is not accepted, please choose a JPG or PNG file.", "Please add a new image", "We couldn't verify the back of your ID. Try taking a new picture.", "We couldn't verify the front of your ID. Try taking a new picture.", "We are having technical difficulties on our end. Please try to submit your images again later.", "Try taking new pictures.", "Image has glare, please try again.", "We couldn't read your ID. Your photos may have glare. Make sure that the flash on your camera is off and try taking new pictures.", "The image file that you added is not supported. Please take new photos of your ID and try again.", "Your image size is too large or too small. Please add images of your ID that are about 2025 x 1275 pixels.", "The pixel depth of your image file is not

Property name	Type	Description
success	boolean	Indicates whether the backup codes were successfully generated

idv-document-uploaded
The user has uploaded documents locally

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.

Property name	Type	Description
document_front_image_file_id	string	If this image exists, the ID used to retrieve it if needed
document_back_image_file_id	string	If this image exists, the ID used to retrieve it if needed
document_selfie_image_file_id	string	If this image exists, the ID used to retrieve it if needed
document_front_image_encryption_key	string	Randomly generated Base64-encoded key used to encrypt the front image file if it exists.
document_back_image_encryption_key	string	Randomly generated Base64-encoded key used to encrypt the back image file if it exists.
document_selfie_image_encryption_key	string	Randomly generated Base64-encoded key used to encrypt the selfie image file if it exists.
success	boolean	Indicates whether the upload was successful

idv-enrollment-complete
When the user is identity verified

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
reproof	boolean	When true, indicates that the user has proofed previously

idv-ipp-ready-to-verify-visit
When the user becomes able to visit the post office for in-person proofing.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.

idv-phone-otp-sent

When a security code is sent to the phone number provided by the user to verify the phone number belongs to them. The user can choose to receive the code via text message/SMS or phone call.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
phone_number	string	
opt_delivery_method	string	Enums: sms voice
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: telephony_errors type: array description: Errors that describe the failure items: {"type" => "string", "enum" => ["daily_voice_limit_reached", "duplicate_endpoint", "generic", "invalid_calling_area", "invalid_phone_number", "opt_out", "permanent_failure", "sms_unsupported", "temporary_failure", "throttled", "timeout", "unknown_failure", "voice_unsupported"]}

Property name	Type	Description
success	boolean	Indicates whether the backup codes were successfully generated

idv-phone-otp-submitted
When the user submits the security code that they received on their phone to verify their phone or address during identity proofing.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.

Property name	Type	Description
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
phone_number	string	
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: code_matches type: boolean description: An OPTIONAL key if the code does not match code_expired type: boolean description: An OPTIONAL key if the code has expired
success	boolean	Indicates whether the entered code matched what was sent and is still valid.

idv-phone-submitted
When the user provides their phone number for identity verification.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
phone_number	string	
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: phone type: array description: An OPTIONAL key that describes errors with the phone number items: {"type" => "string", "enum" => ["improbable_phone", "We are unable to call phone numbers in {Country Name}", "We are unable to send text messages to phone numbers in {Country Name}"]}
success	boolean	Indicates whether the upload link was successfully sent to the user's phone.

idv-rate-limited

The user reaches verification submission rate limits when identity proofing.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.

Property name	Type	Description
rate_limit_type	string	Reason for the rate limiting Enums: idv_doc_auth idv_resolution proof_ssn proof_address phone_confirmation idv_send_link
phone	string	OPTIONAL, the provided phone number (in the event of a phone-related rate limiting)

idv-reproof
This event is triggered when a user who has previously completed proofing completes identity proofing again. Note that the reproofing flow is identical to the regular proofing flow and will generate the same events as initial proofing. This is an additional event signifying that the just-completed proofing process was not the first time the user has proofed.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_ id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.

idv-ssn-submitted
When the user submits their Social Security Number during identity proofing.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerpri nt	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
social_security	string	User-submitted Social Security Number

idv-tmx-fraud-check
This event captures the result of the TMX fraud check during Identity Verification.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.

Property name	Type	Description
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if user has failed fraud review Properties: tmx_summary_reason_code type: array description: An OPTIONAL key that describes rules that failed during the test. Can include multiple elements in the array. * `Identity_Negative_History`: Rules that indicate a negative history for related Identity (such as black listed email address or phone number). * `IP_Negative_History`: Rules that indicate a negative history for IP Address (such as block-listed IP/Proxy address). * `Bot`: Rules that examine velocity counts for anomalies and rules that indicate the presence of an aggregator (Online Bots). * `Device_Spoofing`: Rules that indicate device anomalies, rules for OS spoofing, and rules that examine the mobile device for malware, root-cloaking applications and so on. * `Geo_Spoofing`: Rules for anomalies pertaining to geographical location. * `Identity_Spoofing`: Rules that indicate Identity spoofing such as the presence of multiple logins/email addresses/account addresses and high distance traveled. * `IP_Spoofing`: Rules that indicate IP spoofing and rules for VPN detection. * `MITB`: Rules that check the presence of malware tags. * `Level_1_Link_Reject`: Rules that indicate that there is a direct link to historic confirmed fraud. * `Level_1_Link_Accept`: Indicates the user has passed fraud check items: {"type" => "string", "enum" => ["Bot", "Device_Spoofing", "Geo_Spoofing", "Identity_Negative_History", "Identity_Spoofing", "IP_Negative_History", "Level_1_Link_Accept", "Level_1_Link_Reject", "MITB"]}
success	boolean	Indicates whether the TMX response status pass.

idv-verification-submitted
When the user verifies their information when identity proofing.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.

Property name	Type	Description
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
document_state	string	Driver's licenses document_state
document_number	string	Driver's license number
document_issued	string	Issuance date
document_expiration	string	Driver's license expiration
first_name	string	
last_name	string	

Property name	Type	Description
date_of_birth	string	
address	string	
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: pii type: array
success	boolean	Indicates whether the verification form was submitted successfully

idv-verify-by-mail-enter-code-submitted
A user that requested to verify their address by mail has entered the security code contained in their letter.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345

Property name	Type	Description
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: otp type: string description: An OPTIONAL key if the code does not match enum: ["confirmation_code_incorrect"]
success	boolean	Indicates whether the entered code matched the code that was sent confirming the address

idv-verify-by-mail-letter-requested
The user has requested that a letter be sent via mail in order to verify their address.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
resend	boolean	False indicates that this is the initial request to be sent True indicates a resend request.

logged-in-account-purged
A logged in user deletes their account.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.

Property name	Type	Description
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
success	boolean	Indicates whether the the account was successfully deleted.

logged-in-password-change
A logged in user changes the password for their account.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.

Property name	Type	Description
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: password type: array description: Errors that explain the failure items: {"type" => "string", "enum" => ["pwned", "too_short"]} password_confirmation type: array description: Errors that explain the failure items: {"type" => "string", "enum" => ["pwned", "too_short", "mismatch"]}
success	boolean	Indicates whether the password was successfully changed by logged in user

login-completed
The user has logged in successfully and is being passed back to the service provider.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.

login-email-and-password-auth
During a login attempt, a user has submitted a password. Rather than tracking the number of failed password auth attempts, we generate this event on each attempt.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
success	boolean	Indicates whether the entered email and password were correct.

login-rate-limited
The user has exceeded the limit for providing their email address and password all resulting in a failed login attempt.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
email	string	User-provided email address

logout-initiated
The user has logged out of their account.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
success	boolean	Indicates whether the logout was successfully initiated

mfa-enroll-code-rate-limited

The user has exceeded the rate limit for entering an MFA code when setting up an MFA device. Note that this event is currently only generated for phone mfa types.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
mfa_device_type	string	Enums: backup_code otp personal_key piv_cac

mfa-enroll-phone-otp-sent

Relevant only when the user is enrolling a phone as their MFA. The user has been sent a one-time password by Login.gov over SMS or voice during the MFA enrollment process.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
phone_number	string	The provided phone number

Property name	Type	Description
otp_delivery_method	string	Enums: sms voice
success	boolean	Indicates whether the one-time password was sent.

mfa-enroll-phone-otp-sent-rate-limited
The user has exceeded the rate limit for requesting OTPs be sent to their phone when setting up an MFA device.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.

Property name	Type	Description
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
phone_number	string	The provided phone number

mfa-enrolled
The user has set up multi-factor authentication

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.

Property name	Type	Description
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
success	boolean	Indicates whether the MFA setup was successful.
mfa_device_type	string	Enums: backup_code otp piv_cac totp webauthn webauthn_platform
phone_number	string	OPTIONAL UNLESS mfa_device_type is phone. The enrolled phone number.
otp_delivery_method	string	OPTIONAL UNLESS mfa_device_type is phone. The `otp_delivery_method` is included. Enums: sms voice

mfa-login-auth-submitted

During a login attempt, the user has submitted a verification attempt using their MFA . Reauthentication occurs when the user was already signed in but their session has timed out and they need to reauthenticate to continue.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID

Property name	Type	Description
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
mfa_device_type	string	Enums: backup_code otp piv_cac totp webauthn webauthn_platform
reauthentication	boolean	an OPTIONAL boolean. For use with the `otp` MFA type
success	boolean	Indicates whether verification was valid.

Property name	Type	Description
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false. Properties: piv_cac type: array items: {"type" => "string", "enum" => ["already_associated"]} user type: array items: {"type" => "string", "enum" => ["not_found", "piv_cac_mismatch"]} certificate type: array items: {"type" => "string", "enum" => ["bad", "expired", "invalid", "none", "not_auth_cert", "revoked", "unverified"]} token type: array items: {"type" => "string", "enum" => ["bad", "http_failure", "invalid", "missing"]}

mfa-login-phone-otp-sent

During a login attempt, an OTP code has been sent via SMS or Voice.
Reauthentication occurs when the user was already signed in but their session has
timed out and they need to reauthenticate to continue.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
otp_delivery_method	string	Enums: sms voice
phone_number	string	User-provided phone number
reauthentication	boolean	
success	boolean	Indicates whether the one-time code was sent.

Property name	Type	Description
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: telephony type: array description: The user registered a phone for MFA, but then opted out by replying "STOP" over text, so when attempting to send a subsequent OTP it fails with this failure reason. items: {"type" => "string", "enum" => ["Telephony::OptOutError - Pinpoint Error: PERMANENT_FAILURE - 400"]}

mfa-login-phone-otp-sent-rate-limited
During a login attempt, the user has exceeded the limit for requesting an OTP be sent to their phone.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.

Property name	Type	Description
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
phone_number	string	User-provided phone number

mfa-submission-code-rate-limited
The user has exceeded the limit for submitting an MFA code when signing in with a registered MFA device.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345

Property name	Type	Description
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
mfa_device_type	string	Enums: backup_code otp piv_cac totp webauthn webauthn_platform

session-timeout

A logged in user has been inactive long enough to cause a session timeout

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.

user-registration-email-confirmed
User clicks on the confirmation link sent to their provided email address. Note: Internally, Login's meaning of a 'confirmed' email is overloaded, and also requires that a password has been set. This event uses the plain-language meaning of 'confirmed': a user clicked the link in an email, showing ownership of the email account.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.

Property name	Type	Description
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
email	string	
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: email type: array description: An OPTIONAL key that describes errors with the email provided items: {"type" => "string", "enum" => ["already_confirmed"]} confirmation_token type: array description: An OPTIONAL key that describes errors with the confirmation token items: {"type" => "string", "enum" => ["expired", "not_found"]}

Property name	Type	Description
success	boolean	Indicates whether the user clicked on the link that was sent to them and confirmed the email they submitted is theirs.

user-registration-email-submission-rate-limited
This event can occur during sign up when a user attempts to submit the same email address multiple times without setting up a password. Note that Login.gov does not actually prevent the user from retrying in this case.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.

Property name	Type	Description
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
email	string	
email_already_registered	boolean	A 'true' value indicates that the user has exceeded the rate limit for submitting an email address that is already registered. A 'false' value indicates that the user has exceeded the rate limit for submitting an email address that has *not* been registered previously.

user-registration-email-submitted
A user provides their email address to create a new account.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.

Property name	Type	Description
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
email	string	
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: email type: array description: Errors that explain the failure items: {"type" => "string", "enum" => ["Email address is not valid", "invalid"]}
success	boolean	Indicates whether the account was created successfully for the submitted email.

user-registration-password-submitted
A user provides a password for their account.

Property name	Type	Description
application_url	string	Indicates the SP URL (redirect_uri) from which the action was triggered.
client_port	string	Known more commonly as ephemeral port numbers associated with the Client IP – This is NOT the CSP server port 443 or 80.
device_fingerprint	string	Hashed cookie device UUID
language	string	The locale set by the user.
occurred_at	number	The time when the event occurred.

Property name	Type	Description
subject	object	Properties: subject_type type: string enum: ["session"] session_id type: string description: Matches the session ID passed in from the service provider example: 12345
useragent_string	string	The end user's browser's useragent string, which identifies the type of browser, device and operating system being used as well as the version of the browser.
user_ip_address	string	The end user's IP address.
user_uuid	string	The primary key identifying a user in Login.gov. This field is populated only for users who have used their accounts to access the Agency Application, since it is generated when a user provides their consent for the first time.
unique_session_id	string	A string identifying the Login.gov session ID for the user. This is generated by Login.gov and is distinct from the SP-provided session_id within the subject attribute.
failure_reason	object	An OPTIONAL object. An associative array of attributes and errors if success is false Properties: password type: array description: Errors that explain the failure items: {"type" => "string", "enum" => ["pwned", "too_short"]}
success	boolean	Indicates whether the entered password is valid and matches the user's password.