Secret scanning patterns

Lists of supported secrets and the partners that GitHub works with to prevent fraudulent use of secrets that were committed accidentally.

> Secret scanning is available for organization-owned repositories in GitHub Enterprise Server if your enterprise has a license for GitHub Advanced Security. For more information, see "About secret scanning" and "About GitHub Advanced Security."

In this article

About secret scanning alerts

About push protection alerts

Supported secrets

Further reading

> **Note:** Your site administrator must enable secret scanning for your GitHub Enterprise Server instance before you can use this feature. For more information, see "Configuring secret scanning for your appliance."
>
> You may not be able to enable or disable secret scanning, if an enterprise owner has set a policy at the enterprise level. For more information, see "Enforcing policies for code security and analysis for your enterprise."

About secret scanning alerts 🔗

When secret scanning is enabled, GitHub scans repositories for secrets issued by a large variety of service providers and generates secret scanning alerts.

You can see these alerts on the **Security** tab of the repository.

If access to a resource requires paired credentials, then secret scanning will create an alert only when both parts of the pair are detected in the same file. This ensures that the most critical leaks are not hidden behind information about partial leaks. Pair matching also helps reduce false positives since both elements of a pair must be used together to access the provider's resource.

If you use the REST API for secret scanning, you can use the `Secret type` to report on secrets from specific issuers. For more information, see "Secret scanning."

> **Note:** You can also define custom secret scanning patterns for your repository, organization, or enterprise. For more information, see "Defining custom patterns for secret scanning."

About push protection alerts 🔗

Push protection alerts are user alerts that are reported by push protection. Secret scanning as a push protection currently scans repositories for secrets issued by some

service providers.

If access to a resource requires paired credentials, then secret scanning will create an alert only when both parts of the pair are detected in the same file. This ensures that the most critical leaks are not hidden behind information about partial leaks. Pair matching also helps reduce false positives since both elements of a pair must be used together to access the provider's resource.

Older versions of certain tokens may not be supported by push protection as these tokens may generate a higher number of false positives than their most recent version. Push protection may also not apply to legacy tokens. For tokens such as Azure Storage Keys, GitHub only supports *recently created* tokens, not tokens that match the legacy patterns. For more information about push protection limitations, see "[Troubleshooting secret scanning](#)."

Supported secrets 🔗

This table lists the secrets supported by secret scanning. You can see the types of alert that get generated for each token, as well as whether a validity check is performed on the token.

- **Provider**—name of the token provider.
- **Secret scanning alert**—token for which leaks are reported to users on GitHub. Applies to private repositories where GitHub Advanced Security and secret scanning enabled.
- **Push protection**—token for which leaks are reported to users on GitHub. Applies to repositories with secret scanning and push protection enabled.
- **Validity check**—token for which a validity check is implemented. Currently only applies to GitHub tokens.

Provider	Token	Secret scanning alert	Push protection	Validity check
Adafruit IO	adafruit_io_key	✓	✓	✗
Adobe	adobe_device_token	✓	✓	✗
Adobe	adobe_service_token	✓	✓	✗
Adobe	adobe_short_lived_access_token	✓	✓	✗
Aiven	aiven_auth_token	✓	✓	✗
Aiven	aiven_service_password	✓	✓	✗
Alibaba Cloud	alibaba_cloud_access_key_id alibaba_cloud_access_key_secret	✓	✓	✗
Login with Amazon	amazon_oauth_client_id amazon_oauth_client_secret	✓	✓	✗

Amazon Web Services (AWS)	aws_access_key_id aws_secret_access_key	✓	✓	✗
Amazon Web Services (AWS)	aws_session_token aws_temporary_access_key_id aws_secret_access_key	✓	✓	✗
Asana	asana_personal_access_token	✓	✓	✗
Atlassian	atlassian_api_token	✓	✗	✗
Atlassian	atlassian_jwt	✓	✗	✗
Atlassian	bitbucket_server_personal_access_token	✓	✓	✗
Azure	azure_active_directory_application_secret	✓	✓	✗
Azure	azure_batch_key_identifiable	✓	✓	✗
Azure	azure_cache_for_redis_access_key	✓	✓	✗
Azure	azure_cosmosdb_key_identifiable	✓	✓	✗
Azure	azure_devops_personal_access_token	✓	✓	✗
Azure	azure_function_key	✓	✓	✗
Azure	azure_ml_web_service_classic_identifiable_key	✓	✓	✗
Azure	azure_sas_token	✓	✗	✗
Azure	azure_search_admin_key	✓	✓	✗
Azure	azure_search_query_key	✓	✓	✗
Azure	azure_management_certificate	✓	✗	✗
Azure	azure_sql_connection_string	✓	✗	✗
Azure	azure_storage_account_key	✓	✓	✗

Beamer	beamer_api_key	✓	✗	✗
Canadian Digital Service	cds_canada_notify_api_key	✓	✓	✗
Checkout.com	checkout_production_secret_key	✓	✓	✗
Checkout.com	checkout_test_secret_key	✓	✗	✗
Chief Tools	chief_tools_token	✓	✓	✗
Clojars	clojars_deploy_token	✓	✓	✗
CloudBees CodeShip	codeship_credential	✓	✗	✗
Contentful	contentful_personal_access_token	✓	✗	✗
crates.io (Rust Foundation)	cratesio_api_token	✓	✓	✗
Databricks	databricks_access_token	✓	✓	✗
Defined	defined_networking_nebula_api_key	✓	✓	✗
DevCycle	devcycle_client_api_key	✓	✓	✗
DevCycle	devcycle_mobile_api_key	✓	✓	✗
DevCycle	devcycle_server_api_key	✓	✓	✗
DigitalOcean	digitalocean_oauth_token	✓	✓	✗
DigitalOcean	digitalocean_personal_access_token	✓	✓	✗
DigitalOcean	digitalocean_refresh_token	✓	✓	✗
DigitalOcean	digitalocean_system_token	✓	✓	✗
Discord	discord_api_token_v2	✓	✓	✗
Discord	discord_bot_token	✓	✓	✗
Doppler	doppler_audit_to	✓	✓	✗

	ken			
Doppler	doppler_cli_toke n	✓	✓	✕
Doppler	doppler_personal _token	✓	✓	✕
Doppler	doppler_scim_to ken	✓	✓	✕
Doppler	doppler_service_ token	✓	✓	✕
Doppler	doppler_service_ account_token	✓	✓	✕
Dropbox	dropbox_access_ token	✓	✕	✕
Dropbox	dropbox_short_li ved_access_toke n	✓	✓	✕
Duffel	duffel_live_acces s_token	✓	✓	✕
Duffel	duffel_test_acces s_token	✓	✕	✕
Dynatrace	dynatrace_acces s_token	✓	✕	✕
Dynatrace	dynatrace_intern al_token	✓	✕	✕
EasyPost	easypost_produc tion_api_key	✓	✓	✕
EasyPost	easypost_test_ap i_key	✓	✕	✕
eBay	ebay_production _client_id ebay_production _client_secret	✓	✕	✕
eBay	ebay_sandbox_cl ient_id ebay_sandbox_cl ient_secret	✓	✕	✕
Fastly	fastly_api_token	✓	✕	✕
Figma	figma_pat	✓	✓	✕
Finicity	finicity_app_key	✓	✕	✕
Flutterwave	flutterwave_live_ api_secret_key	✓	✓	✕
Flutterwave	flutterwave_test_ api_secret_key	✓	✕	✕

Frame.io	frameio_developer_token	✓	✕	✕
Frame.io	frameio_jwt	✓	✕	✕
FullStory	fullstory_api_key	✓	✓	✕
GitHub	github_app_installation_access_token	✓	✓	✓
GitHub	github_oauth_access_token	✓	✓	✓
GitHub	github_personal_access_token	✓	✓	✓
GitHub	github_refresh_token	✓	✓	✓
GitHub	github_ssh_private_key	✓	✓	✓
GitLab	gitlab_access_token	✓	✕	✕
GoCardless	gocardless_live_access_token	✓	✕	✕
GoCardless	gocardless_sandbox_access_token	✓	✕	✕
Google	firebase_cloud_messaging_server_key	✓	✕	✕
Google	google_cloud_storage_service_account_access_key_id google_cloud_storage_access_key_secret	✓	✓	✕
Google	google_cloud_storage_user_access_key_id google_cloud_storage_access_key_secret	✓	✓	✕
Google	google_oauth_access_token	✓	✕	✕
Google	google_oauth_client_id google_oauth_client_secret	✓	✓	✕
Google	google_oauth_refresh_token	✓	✕	✕

Google Cloud	google_api_key	✓	✗	✗
Google Cloud	google_cloud_private_key_id	✓	✓	✗
Grafana	grafana_cloud_api_key	✓	✓	✗
Grafana	grafana_cloud_api_token	✓	✓	✗
Grafana	grafana_project_api_key	✓	✓	✗
Grafana	grafana_project_service_account_token	✓	✓	✗
HashiCorp	hashicorp_vault_batch_token	✓	✓	✗
HashiCorp	hashicorp_vault_root_service_token	✓	✓	✗
HashiCorp	hashicorp_vault_service_token	✓	✓	✗
Hashicorp Terraform	terraform_api_token	✓	✓	✗
Highnote	highnote_rk_live_key	✓	✓	✗
Highnote	highnote_rk_test_key	✓	✓	✗
Highnote	highnote_sk_live_key	✓	✓	✗
Highnote	highnote_sk_test_key	✓	✓	✗
Hubspot	hubspot_api_key	✓	✓	✗
Hubspot	hubspot_api_personal_access_key	✓	✓	✗
Intercom	intercom_access_token	✓	✓	✗
Ionic	ionic_personal_access_token	✓	✓	✗
Ionic	ionic_refresh_token	✓	✓	✗
JD Cloud	jd_cloud_access_key	✓	✗	✗
JFrog	jfrog_platform_access_token	✓	✓	✗

JFrog	jfrog_platform_api_key	✓	✓	✗
Linear	linear_api_key	✓	✓	✗
Linear	linear_oauth_access_token	✓	✓	✗
Lob	lob_live_api_key	✓	✗	✗
Lob	lob_test_api_key	✓	✗	✗
LocalStack	localstack_api_key	✓	✗	✗
LogicMonitor	logicmonitor_bearer_token	✓	✓	✗
LogicMonitor	logicmonitor_lmv1_access_key	✓	✓	✗
Mailchimp	mailchimp_api_key	✓	✗	✗
Mailgun	mailgun_api_key	✓	✗	✗
Mapbox	mapbox_secret_access_token	✓	✗	✗
Mercury	mercury_non_production_api_token	✓	✗	✗
Mercury	mercury_production_api_token	✓	✗	✗
MessageBird	messagebird_api_key	✓	✗	✗
Meta	facebook_access_token	✓	✗	✗
Midtrans	midtrans_production_server_key	✓	✓	✗
Midtrans	midtrans_sandbox_server_key	✓	✗	✗
New Relic	new_relic_insights_query_key	✓	✓	✗
New Relic	new_relic_license_key	✓	✗	✗
New Relic	new_relic_personal_api_key	✓	✓	✗
New Relic	new_relic_rest_api_key	✓	✓	✗
Notion	notion_integration_token	✓	✗	✗

Notion	notion_oauth_client_secret	✓	✕	✕
npm	npm_access_token	✓	✓	✕
NuGet	nuget_api_key	✓	✓	✕
Octopus Deploy	octopus_deploy_api_key	✓	✕	✕
Oculus	oculus_very_tiny_encrypted_session	✓	✕	✕
OneChronos	onechronos_api_key	✓	✓	✕
OneChronos	onechronos_eb_api_key	✓	✓	✕
OneChronos	onechronos_eb_encryption_key	✓	✓	✕
OneChronos	onechronos_oauth_token	✓	✓	✕
OneChronos	onechronos_refresh_token	✓	✓	✕
Onfido	onfido_live_api_token	✓	✓	✕
Onfido	onfido_sandbox_api_token	✓	✕	✕
OpenAI	openai_api_key	✓	✓	✕
OpenAI	openai_api_key_v2	✓	✓	✕
Palantir	palantir_jwt	✓	✓	✕
Persona	persona_production_api_key	✓	✕	✕
Persona	persona_sandbox_api_key	✓	✕	✕
PlanetScale	planetscale_database_password	✓	✓	✕
PlanetScale	planetscale_oauth_token	✓	✓	✕
PlanetScale	planetscale_service_token	✓	✓	✕
Plivo	plivo_auth_id plivo_auth_token	✓	✓	✕
Postman	postman_api_key	✓	✓	✕

Postman	postman_collecti on_key	✓	✓	✕
Prefect	prefect_server_a pi_key	✓	✓	✕
Prefect	prefect_user_api _key	✓	✓	✕
Proctorio	proctorio_consu mer_key	✓	✕	✕
Proctorio	proctorio_linkage _key	✓	✕	✕
Proctorio	proctorio_registr ation_key	✓	✕	✕
Proctorio	proctorio_secret_ key	✓	✓	✕
Pulumi	pulumi_access_t oken	✓	✕	✕
PyPI	pypi_api_token	✓	✕	✕
ReadMe	readmeio_api_ac cess_token	✓	✓	✕
redirect.pizza	redirect_pizza_a pi_token	✓	✓	✕
Rootly	rootly_api_key	✓	✓	✕
RubyGems	rubygems_api_k ey	✓	✕	✕
Samsara	samsara_api_tok en	✓	✓	✕
Samsara	samsara_oauth_ access_token	✓	✓	✕
Segment	segment_public_ api_token	✓	✓	✕
SendGrid	sendgrid_api_key	✓	✓	✕
Sendinblue	sendinblue_api_k ey	✓	✓	✕
Sendinblue	sendinblue_smtp _key	✓	✓	✕
Shippo	shippo_live_api_t oken	✓	✓	✕
Shippo	shippo_test_api_t oken	✓	✕	✕
Shopify	shopify_access_t oken	✓	✓	✕

Shopify	shopify_app_client_credentials	✓	✗	✗
Shopify	shopify_app_client_secret	✓	✗	✗
Shopify	shopify_app_shared_secret	✓	✓	✗
Shopify	shopify_custom_app_access_token	✓	✗	✗
Shopify	shopify_marketplace_token	✓	✗	✗
Shopify	shopify_merchant_token	✓	✗	✗
Shopify	shopify_partner_api_token	✓	✗	✗
Shopify	shopify_private_app_password	✓	✗	✗
Slack	slack_api_token	✓	✓	✗
Slack	slack_incoming_webhook_url	✓	✗	✗
Slack	slack_workflow_webhook_url	✓	✗	✗
Square	square_access_token	✓	✗	✗
Square	square_production_application_secret	✓	✗	✗
Square	square_sandbox_application_secret	✓	✗	✗
SSLMate	sslmate_api_key	✓	✗	✗
SSLMate	sslmate_cluster_secret	✓	✗	✗
Stripe	stripe_live_restricted_key	✓	✗	✗
Stripe	stripe_api_key	✓	✓	✗
Stripe	stripe_legacy_api_key	✓	✗	✗
Stripe	stripe_test_restricted_key	✓	✗	✗
Stripe	stripe_test_secret_key	✓	✗	✗

Stripe	stripe_webhook_signing_secret	✓	✕	✕
Supabase	supabase_service_key	✓	✕	✕
Tableau	tableau_personal_access_token	✓	✕	✕
Telegram	telegram_bot_token	✓	✕	✕
Telnyx	telnyx_api_v2_key	✓	✓	✕
Tencent Cloud	tencent_cloud_secret_id	✓	✓	✕
Tencent WeChat	tencent_wechat_api_app_id	✓	✕	✕
Twilio	twilio_access_token	✓	✓	✕
Twilio	twilio_account_sid	✓	✓	✕
Twilio	twilio_api_key	✓	✓	✕
Typeform	typeform_personal_access_token	✓	✓	✕
Uniwise	wiseflow_api_key	✓	✓	✕
WakaTime	wakatime_pp_secret	✓	✓	✕
WakaTime	wakatime_oauth_access_token	✓	✓	✕
WakaTime	wakatime_oauth_refresh_token	✓	✓	✕
WorkOS	workos_production_api_key	✓	✓	✕
WorkOS	workos_staging_api_key	✓	✕	✕
Yandex	yandex_iam_access_secret	✓	✕	✕
Yandex	yandex_cloud_api_key	✓	✕	✕
Yandex	yandex_cloud_iam_cookie	✓	✕	✕
Yandex	yandex_cloud_iam_token	✓	✕	✕
Yandex	yandex_dictionar	✓	✕	✕

	y_api_key			
Yandex	yandex_predictor_api_key	✓	✕	✕
Yandex	yandex_translate_api_key	✓	✕	✕
Zuplo	zuplo_consumer_api_key	✓	✓	✕

Further reading 🔗

- "[Securing your repository](#)"
- "[Keeping your account and data secure](#)"
- "[Secret scanning partner program](#)" in the GitHub Enterprise Cloud documentation