

# 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 alerts for partners runs automatically on public repositories and public npm packages to notify service providers about leaked secrets on GitHub.com.

Secret scanning alerts for users are available for free on all public repositories.

Organizations using GitHub Enterprise Cloud with a license for GitHub Advanced Security can also enable secret scanning alerts for users on their private and internal repositories.

For more information, see "About secret scanning" and "About GitHub Advanced Security."

For information about how you can try GitHub Advanced Security for free, see "Setting up a trial of GitHub Advanced Security."

#### In this article

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### About secret scanning patterns @

GitHub Enterprise Cloud maintains these different sets of default secret scanning patterns:

- 1 Partner patterns. Used to detect potential secrets in all public repositories as well as public npm packages. To find out about our partner program, see "Secret scanning partner program."
- **2 User alert patterns.** Used to detect potential secrets in repositories with secret scanning alerts for users enabled.
- **Push protection patterns.** Used to detect potential secrets in repositories with secret scanning as a push protection enabled.

For details about all the supported patterns, see the "<u>Supported secrets</u>" section below.

If you believe that secret scanning should have detected a secret committed to your repository, and it has not, you first need to check that GitHub supports your secret. For more information, refer to the sections below. For more advanced troubleshooting information, see "Troubleshooting secret scanning."

Partner alerts are alerts that are sent to the secret providers whenever a secret leak is reported for one of their secrets. GitHub Enterprise Cloud currently scans public repositories and public npm packages for secrets issued by specific service providers and alerts the relevant service provider whenever a secret is detected in a commit. For more information about secret scanning alerts for partners, see "About secret scanning."

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.

#### About user alerts @

User alerts are alerts that are reported to users on GitHub. When secret scanning alerts for users are 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. For more information about secret scanning alerts for users, see "About secret scanning."

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 "<u>Defining custom patterns for secret scanning</u>."

### 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.

Push protection alerts are not created for secrets that are bypassed with user-based push protection only. For more information, see "Push protection for users."

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 "<u>Troubleshooting secret scanning</u>."

## 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.
- **Partner**—token for which leaks are reported to the relevant token partner. Applies to public repositories only.
- **User**—token for which leaks are reported to users on GitHub. Applies to public repositories, and to private repositories where GitHub Advanced Security is 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. For partner tokens, GitHub sends the token to the relevant partner. Note that not all partners are based in the United States. For more information, see "<u>Advanced Security</u>" in the Site Policy documentation.

Provider	Token	Partner	User	Push protection	Validity check
Adafruit IO	adafruit_io_ke y	~	~	~	~
Adobe	adobe_client_ secret	~	~	~	×
Adobe	adobe_device _token	~	~	~	×
Adobe	adobe_pac_to ken	~	~	~	×
Adobe	adobe_refres h_token	~	~	~	×
Adobe	adobe_servic e_token	~	~	~	×
Adobe	adobe_short_l ived_access_t oken	<b>~</b>	~	~	×
Aiven	aiven_auth_to ken	~	~	~	×
Aiven	aiven_service _password	~	~	~	×
Alibaba Cloud	alibaba_cloud _access_key_i d alibaba_cloud _access_key_ secret	~	~	~	×
Login with Amazon	amazon_oaut h_client_id amazon_oaut h_client_secr et	~	~	~	×
Amazon Web Services (AWS)	aws_access_k ev_id	<b>~</b>	<b>~</b>	~	~

Je. 1.22 ()	aws_secret_a ccess_key				
Amazon Web Services (AWS)	aws_session_t oken aws_tempora ry_access_ke y_id aws_secret_a ccess_key	×	~	~	~
Asana	asana_person al_access_tok en	×	~	<b>✓</b>	×
Atlassian	atlassian_api_ token	~	<b>✓</b>	×	×
Atlassian	atlassian_jwt	~	~	×	×
Atlassian	bitbucket_ser ver_personal_ access_token	×	~	~	×
Azure	azure_active_ directory_app lication_secre t	~	~	~	×
Azure	azure_batch_ key_identifiab le	~	<b>~</b>	<b>~</b>	×
Azure	azure_cache_ for_redis_acc ess_key	×	~	<b>~</b>	×
Azure	azure_contain er_registry_k ey_identifiabl e	<b>~</b>	~	~	×
Azure	azure_cosmo sdb_key_iden tifiable	~	<b>~</b>	~	×
Azure	azure_devops _personal_acc ess_token	<b>~</b>	~	~	×
Azure	azure_functio n_key	~	<b>~</b>	~	×
Azure	azure_ml_we b_service_cla ssic_identifia ble_key	<b>~</b>	~	~	×
Azure	azure_sas_tok en	~	<b>~</b>	×	×
Azure	azure_search _admin_key	~	~	~	×

Azure	azure_search _query_key	~	~	~	×
Azure	azure_manag ement_certifi cate	<b>~</b>	<b>✓</b>	×	×
Azure	azure_sql_con nection_strin g	~	~	×	×
Azure	azure_sql_pas sword	<b>~</b>	~	~	×
Azure	azure_storag e_account_ke y	~	~	~	×
Baidu	baiducloud_a pi_accesskey	~	~	<b>~</b>	×
Beamer	beamer_api_k ey	×	<b>~</b>	×	×
Canadian Digital Service	cds_canada_n otify_api_key	~	<b>~</b>	<b>~</b>	×
Checkout.com	checkout_pro duction_secre t_key	~	~	<b>✓</b>	×
Checkout.com	checkout_test _secret_key	<b>~</b>	~	×	×
Chief Tools	chief_tools_to ken	<b>~</b>	<b>~</b>	<b>~</b>	×
Clojars	clojars_deplo y_token	~	~	<b>~</b>	×
CloudBees CodeShip	codeship_cre dential	~	~	×	×
Contentful	contentful_pe rsonal_access _token	×	~	×	×
Contributed Systems	CONTRIBUTE D_SYSTEMS_ CREDENTIALS	~	×	×	×
crates.io (Rust Foundation)	cratesio_api_t oken	~	<b>~</b>	~	×
Databricks	databricks_ac cess_token	<b>~</b>	~	~	×
Datadog	DATADOG_AP I_KEY	<b>~</b>	×	×	×
Defined	defined_netw orking_nebula _api_key	~	~	<b>~</b>	×

DevCycle	devcycle_clie nt_api_key	<b>~</b>	~	<b>✓</b>	×
DevCycle	devcycle_mo bile_api_key	×	~	~	×
DevCycle	devcycle_ser ver_api_key	<b>~</b>	~	~	×
DigitalOcean	digitalocean_ oauth_token	~	~	~	×
DigitalOcean	digitalocean_ personal_acc ess_token	~	~	<b>~</b>	×
DigitalOcean	digitalocean_r efresh_token	<b>~</b>	~	~	×
DigitalOcean	digitalocean_ system_token	<b>~</b>	~	<b>~</b>	×
Discord	discord_api_t oken_v2	×	~	~	<b>~</b>
Discord	discord_bot_t oken	<b>~</b>	~	~	<b>~</b>
Doppler	doppler_audit _token	<b>~</b>	~	~	×
Doppler	doppler_cli_to ken	<b>~</b>	~	~	×
Doppler	doppler_pers onal_token	<b>~</b>	~	~	×
Doppler	doppler_scim _token	<b>~</b>	~	~	×
Doppler	doppler_servi ce_token	<b>~</b>	~	~	×
Doppler	doppler_servi ce_account_t oken	~	~	~	×
Dropbox	dropbox_acce ss_token	<b>~</b>	<b>✓</b>	×	×
Dropbox	dropbox_shor t_lived_acces s_token	<b>~</b>	~	~	×
Duffel	duffel_live_ac cess_token	×	~	~	×
Duffel	duffel_test_ac cess_token	×	~	×	×
Dynatrace	dynatrace_ac	~	<b>~</b>	×	×

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	dynatrace_int	~	,		
	ernal_token		~	×	×
-	easypost_pro duction_api_k ey	×	~	~	×
	easypost_test _api_key	×	~	×	×
	ebay_product ion_client_id ebay_product ion_client_sec ret	×	~	×	×
	ebay_sandbo x_client_id ebay_sandbo x_client_secre t	×	~	×	×
	fastly_api_tok en	×	<b>~</b>	×	×
Figma	figma_pat	<b>~</b>	~	~	×
	finicity_app_k ey	~	<b>~</b>	×	×
	flutterwave_li ve_api_secret _key	×	<b>~</b>	<b>✓</b>	×
	flutterwave_t est_api_secre t_key	×	<b>~</b>	×	×
	frameio_deve loper_token	~	~	×	×
Frame.io	frameio_jwt	<b>~</b>	~	×	×
	fullstory_api_ key	~	~	~	×
	github_app_in stallation_acc ess_token	<b>~</b>	~	<b>~</b>	<b>~</b>
	github_oauth _access_toke n	~	~	~	~
	github_perso nal_access_to ken	~	<b>~</b>	<b>✓</b>	<b>✓</b>
	github_refres h_token	~	<b>~</b>	~	~
	github_ssh_pr	<b>~</b>	~	~	~

	ıvate_key				
GitLab	gitlab_access _token	×	~	×	×
GoCardless	gocardless_liv e_access_tok en	~	~	×	×
GoCardless	gocardless_sa ndbox_access _token	~	~	×	×
Google	firebase_clou d_messaging _server_key	×	<b>~</b>	×	×
Google	google_cloud _storage_serv ice_account_a ccess_key_id google_cloud _storage_acc ess_key_secr et	×	~	~	×
Google	google_cloud _storage_user _access_key_i d google_cloud _storage_acc ess_key_secr et	×	<b>~</b>	~	×
Google	google_oauth _access_toke n	×	~	×	<b>~</b>
Google	google_oauth _client_id google_oauth _client_secret	×	~	~	×
Google	google_oauth _refresh_toke n	×	~	×	×
Google Cloud	google_api_k ey	~	~	×	~
Google Cloud	google_cloud _private_key_ id	~	<b>~</b>	~	×
Grafana	grafana_clou d_api_key	~	~	~	×
Grafana	grafana_clou d_api_token	<b>✓</b>	~	~	×
Grafana	grafana_proje	~	~	~	×

ct\_api\_key

Grafana	grafana_proje ct_service_ac count_token	~	~	<b>~</b>	×
HashiCorp	hashicorp_va ult_batch_tok en	×	~	~	×
HashiCorp	hashicorp_va ult_root_servi ce_token	×	<b>~</b>	<b>~</b>	×
HashiCorp	hashicorp_va ult_service_to ken	×	<b>~</b>	<b>~</b>	×
Hashicorp Terraform	terraform_api _token	~	~	~	×
Highnote	highnote_rk_li ve_key	~	~	<b>~</b>	×
Highnote	highnote_rk_t est_key	~	~	<b>~</b>	×
Highnote	highnote_sk_l ive_key	~	~	~	×
Highnote	highnote_sk_t est_key	~	~	~	×
Hubspot	hubspot_api_ key	~	<b>~</b>	~	×
Hubspot	hubspot_api_ personal_acc ess_key	~	<b>~</b>	~	×
Intercom	intercom_acc ess_token	×	<b>~</b>	~	×
Ionic	ionic_persona l_access_toke n	<b>~</b>	✓	<b>~</b>	×
Ionic	ionic_refresh_ token	~	<b>~</b>	~	×
JD Cloud	jd_cloud_acce ss_key	~	~	×	×
JFrog	jfrog_platform _access_toke n	×	~	~	×
JFrog	jfrog_platform _api_key	×	~	~	×
JFrog	jfrog_platform _reference_to ken	×	~	~	×
Linear	linear_api_ke	~	~	<b>~</b>	×

	у				
Linear	linear_oauth_ access_token	~	~	~	×
Lob	lob_live_api_k ey	×	~	×	×
Lob	lob_test_api_k ey	×	~	×	×
LocalStack	localstack_api _key	~	~	×	×
LogicMonitor	logicmonitor_ bearer_token	~	~	~	×
LogicMonitor	logicmonitor_I mv1_access_ key	~	~	~	×
Mailchimp	mailchimp_ap i_key	<b>✓</b>	~	×	×
Mailchimp	MANDRILL_AP	<b>~</b>	×	×	×
Mailgun	mailgun_api_ key	<b>~</b>	~	×	×
Mapbox	mapbox_secr et_access_tok en	×	~	×	×
Maxmind	maxmind_lice nse_key	<b>✓</b>	~	~	×
Mercury	mercury_non _production_a pi_token	×	~	×	×
Mercury	mercury_prod uction_api_to ken	×	~	×	×
MessageBird	messagebird_ api_key	<b>✓</b>	~	×	×
Meta	facebook_acc ess_token	<b>✓</b>	~	×	×
Midtrans	midtrans_pro duction_serve r_key	×	<b>~</b>	~	×
Midtrans	midtrans_san dbox_server_ key	×	<b>~</b>	×	×
New Relic	new_relic_insi ghts_query_k ey	×	<b>~</b>	~	×
New Relic	new_relic_lice	×	<b>✓</b>	×	×

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New Relic	new_relic_per sonal_api_key	×	~	~	×
New Relic	new_relic_res t_api_key	×	<b>~</b>	~	×
Notion	notion_integr ation_token	×	~	×	×
Notion	notion_oauth_ client_secret	×	~	×	×
npm	npm_access_t oken	~	~	~	×
NuGet	nuget_api_ke y	~	~	~	~
Octopus Deploy	octopus_depl oy_api_key	~	~	×	×
Oculus	oculus_very_t iny_encrypte d_session	×	~	×	×
OneChronos	onechronos_a pi_key	×	~	~	×
OneChronos	onechronos_e b_api_key	×	~	~	×
OneChronos	onechronos_e b_encryption_ key	×	~	~	×
OneChronos	onechronos_o auth_token	×	~	~	×
OneChronos	onechronos_r efresh_token	×	~	~	×
Onfido	onfido_live_a pi_token	~	~	~	×
Onfido	onfido_sandb ox_api_token	~	<b>~</b>	×	×
OpenAl	openai_api_k ey	~	<b>~</b>	~	~
OpenAl	openai_api_k ey_v2	~	~	~	~
Palantir	palantir_jwt	<b>~</b>	~	<b>✓</b>	×
Persona	persona_prod uction_api_ke y	×	~	×	×
Persona	persona_sand box_api_key	×	~	×	×

Pinterest	pinterest_acc ess_token	~	~	<b>~</b>	×
Pinterest	pinterest_refr esh_token	~	~	<b>~</b>	×
PlanetScale	planetscale_d atabase_pass word	~	<b>~</b>	~	×
PlanetScale	planetscale_o auth_token	~	~	<b>~</b>	×
PlanetScale	planetscale_s ervice_token	~	~	<b>~</b>	×
Plivo	plivo_auth_id plivo_auth_to ken	~	<b>~</b>	~	×
Postman	postman_api_ key	~	~	<b>~</b>	×
Postman	postman_coll ection_key	×	~	<b>~</b>	×
Prefect	prefect_serve r_api_key	~	<b>✓</b>	~	×
Prefect	prefect_user_ api_key	×	<b>~</b>	~	×
Prefect	PREFECT_USE R_API_TOKEN	~	×	×	×
Proctorio	proctorio_con sumer_key	~	<b>✓</b>	×	×
Proctorio	proctorio_link age_key	~	~	×	×
Proctorio	proctorio_regi stration_key	~	<b>~</b>	×	×
Proctorio	proctorio_sec ret_key	~	<b>~</b>	~	×
Pulumi	pulumi_acces s_token	~	~	×	×
РуРІ	pypi_api_toke n	~	~	×	×
ReadMe	readmeio_api _access_toke n	~	<b>~</b>	~	×
redirect.pizza	redirect_pizza _api_token	~	<b>~</b>	~	×
Rhosys	authress_serv ice_client_acc ess_key	×	~	~	×

Rootly	rootly_api_ke y	~	~	~	×
RubyGems	rubygems_api _key	<b>~</b>	~	×	×
Samsara	samsara_api_ token	<b>~</b>	~	~	×
Samsara	samsara_oaut h_access_tok en	<b>~</b>	~	~	×
Segment	segment_pub lic_api_token	<b>~</b>	<b>~</b>	~	×
SendGrid	sendgrid_api_ key	<b>~</b>	<b>~</b>	~	×
Sendinblue	sendinblue_a pi_key	<b>✓</b>	<b>✓</b>	~	×
Sendinblue	sendinblue_s mtp_key	<b>~</b>	<b>~</b>	~	×
Shippo	shippo_live_a pi_token	×	<b>~</b>	<b>~</b>	×
Shippo	shippo_test_a pi_token	×	<b>~</b>	×	×
Shopify	shopify_acces s_token	<b>~</b>	<b>~</b>	<b>~</b>	×
Shopify	shopify_app_c lient_credenti als	×	~	×	×
Shopify	shopify_app_c lient_secret	×	<b>✓</b>	×	×
Shopify	shopify_app_s hared_secret	<b>✓</b>	<b>~</b>	~	×
Shopify	shopify_custo m_app_acces s_token	~	~	×	×
Shopify	shopify_mark etplace_token	×	<b>✓</b>	×	×
Shopify	shopify_merc hant_token	×	<b>~</b>	×	×
Shopify	shopify_partn er_api_token	×	~	×	×
Shopify	shopify_privat e_app_passw ord	~	~	×	×
Slack	slack_api_tok en	~	~	~	~

Slack	slack_incomin g_webhook_u rl	~	~	×	×
Slack	slack_workflo w_webhook_u rl	~	~	×	×
Square	square_acces s_token	×	~	×	×
Square	square_produ ction_applicat ion_secret	×	<b>~</b>	×	×
Square	square_sandb ox_applicatio n_secret	×	~	×	×
SSLMate	sslmate_api_k ey	~	~	×	×
SSLMate	sslmate_clust er_secret	~	~	×	×
Stripe	stripe_live_re stricted_key	~	~	×	×
Stripe	stripe_api_ke y	<b>~</b>	<b>~</b>	~	×
Stripe	stripe_legacy _api_key	~	<b>✓</b>	×	×
Stripe	stripe_test_re stricted_key	~	<b>✓</b>	×	×
Stripe	stripe_test_se cret_key	~	<b>~</b>	×	×
Stripe	stripe_webho ok_signing_se cret	×	~	×	×
Supabase	supabase_ser vice_key	~	<b>~</b>	×	×
Tableau	tableau_pers onal_access_t oken	×	~	×	×
Telegram	telegram_bot _token	×	~	×	×
Telnyx	telnyx_api_v2 _key	<b>~</b>	~	~	×
Tencent Cloud	tencent_cloud _secret_id	<b>~</b>	~	~	×
Tencent WeChat	tencent_wech at_api_app_id	<b>~</b>	~	×	×

Twilio	twilio_access_ token	×	~	~	×
Twilio	twilio_accoun t_sid	~	~	~	×
Twilio	twilio_api_key	<b>~</b>	<b>✓</b>	<b>~</b>	×
Typeform	typeform_per sonal_access_ token	~	~	~	×
Uniwise	wiseflow_api_ key	<b>~</b>	~	~	×
WakaTime	wakatime_pp _secret	~	~	~	×
WakaTime	wakatime_oa uth_access_to ken	~	~	~	×
WakaTime	wakatime_oa uth_refresh_t oken	~	~	~	×
Workato	workato_deve loper_api_tok en	<b>✓</b>	~	~	×
WorkOS	workos_produ ction_api_key	×	~	~	×
WorkOS	workos_stagi ng_api_key	×	~	×	×
Yandex	yandex_iam_ access_secret	<b>~</b>	~	×	×
Yandex	yandex_cloud _api_key	<b>~</b>	~	×	×
Yandex	yandex_cloud _iam_cookie	<b>~</b>	~	×	×
Yandex	yandex_cloud _iam_token	<b>✓</b>	~	×	×
Yandex	yandex_cloud _smartcaptch a_server_key	×	~	<b>✓</b>	×
Yandex	yandex_dictio nary_api_key	×	~	×	×
Yandex	YANDEX_PAS SPORT_OAUT H_TOKEN	<b>~</b>	×	×	×
Yandex	yandex_predi ctor_api_key	×	~	×	×
Yandex	yandex_transl	×	<b>~</b>	×	×

	ate_api_key				
Zuplo	zuplo_consu mer_api_key	<b>~</b>	<b>~</b>	<b>✓</b>	×

# Further reading ${\mathscr O}$

- "Securing your repository"
- "Keeping your account and data secure"
- "Secret scanning partner program"

#### Legal

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