

Properties are settings that govern the behavior of the gcloud CLI and other SDK tools.

Properties can be used to define a per-product or per-service setting such as the account used by the gcloud CLI and other Cloud SDK tools for authorization, the default region to be used when working with Google Compute Engine resources, or even the option to turn off automatic Cloud SDK component updates. Properties can also be used to define gcloud command-line tool preferences like verbosity level and prompt configuration for gcloud CLI commands.

The gcloud CLI supports some global flags (/sdk/gcloud/reference) and command flags that have the same effect as SDK properties. For example, the gcloud CLI supports both the `--project` flag and `project` property. Properties allow you to maintain the same settings across command executions while flags affect command behavior on a per-invocation basis. Note that flags override properties when both are set.

A configuration (/sdk/docs/configurations) is a named set of SDK properties. The gcloud CLI uses a configuration named `default` as the initial active configuration; `default` is suitable for most use cases. However, you can also create additional configurations and switch between them as required.

To list the properties in the active configuration (/sdk/docs/configurations), run `gcloud config list` (/sdk/gcloud/reference/config/list):

The gcloud CLI returns the list of properties:

To set a property in the active configuration, run `gcloud config set` (</sdk/gcloud/reference/config/set/>):

To set properties that are not in the `core` (</sdk/docs/properties#core>) properties section, you must specify the section followed by a forward slash before the property name:

To unset a property in the active configuration, use `gcloud config unset` (</sdk/gcloud/reference/config/unset/>):

SDK properties are organized into sections which group together related properties for convenience when you are viewing property lists.

The following tables describe a selection of available properties; for a full list, run `gcloud topic configurations` to the Available Properties section.

The `core` section contains configuration properties for the `gcloud` command.

Name	Description
<code>account</code>	User account or service account used by the gcloud CLI and other SDK tools for authorization.
<code>custom_ca_certs_file</code>	Absolute path to the custom CA certificate file to use.
<code>disable_color</code>	If set to <code>True</code> , prevents the gcloud CLI from printing messages in color to the terminal.
<code>disable_file_logging</code>	If set to <code>True</code> , the gcloud CLI will not store logs to a file. This may be useful if disk space is limited.
<code>disable_prompts</code>	If set to <code>True</code> , suppresses prompts for all gcloud CLI commands and assumes the default answer. If a command requires user input and a default cannot be used, the gcloud CLI reports an error. Equivalent to the global <code>--quiet</code> flag.

Name	Description
<code>disable_usage_reporting</code>	If set to True , disables collection of anonymous statistics (<code>/sdk/usage-statistics</code>) on SDK usage. You set this value when you install the SDK, but you can change it at any time.
<code>log_http</code>	If set to True , enables writing of HTTP requests and responses to logs. If you want to see these messages in your terminal, adjust your verbosity setting using the <code>verbosity</code> property or global <code>--verbosity</code> flag.
<code>max_log_days</code>	Maximum number of days to retain log files before deleting. If set to 0, turns off log garbage collection and does not delete log files. If unset, the default is 30 days.
<code>pass_credentials_to_gsutil</code>	If set to True , passes the configured Cloud SDK authentication to gsutil.
<code>project</code>	Project ID of the current Cloud Platform project. You can override this value using the global <code>--project</code> flag.
<code>show_structured_logs</code>	Visibility and format of JSON-structured log messages written to standard error. If this property is disabled, logs will be formatted as text by default. Valid values are never , always , log , and terminal . If unset, default is never .
<code>trace_token</code>	Token provided by Google support to route traces of service requests for investigation of issues.
<code>user_output_enabled</code>	Enables printing of command output to standard output and standard error in the terminal. If set to False , output is suppressed.
<code>verbosity</code>	Logging verbosity for gcloud CLI commands. The gcloud CLI supports the following standard verbosity levels: <ul style="list-style-type: none"> <code>debug</code> <code>info</code> <code>warning</code> <code>error</code> <code>critical</code> <code>none</code> Equivalent to using the global <code>--verbosity</code> flag.

The `component_manager` section contains properties used when [managing SDK components](#) (`/sdk/docs/components`).

Name	Description
<code>component_manager/additional_repositories</code>	Comma separated list of additional repositories to check for components. This property is automatically managed by the commands in the <code>gcloud components repositories</code> command group.

<code>component_manager/disable_update_check</code>	If <code>True</code> , the SDK does not automatically check for updates.
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The `app` section contains properties that specify behavior for the `gcloud app deploy` (`/sdk/gcloud/reference/app/deploy`) command.

Name	Description
<code>app/stop_previous_version</code>	If <code>True</code> , stops the previously deployed version when deploying a new version of the application. If <code>False</code> , the older version must be stopped manually before deployment.

The `compute` section contains properties used by `gcloud` CLI commands operating on Google Compute Engine resources.

Name	Description
<code>compute/region</code>	Default region to use when working with Compute Engine resources. If the <code>--region</code> flag is required by a <code>gcloud</code> CLI command but is not provided, this value is used.
<code>compute/zone</code>	Default zone to use when working with Compute Engine resources. If the <code>--zone</code> flag is required by a <code>gcloud</code> CLI command but is not provided, this value is used.

The `container` section contains properties used by `gcloud` CLI commands that operate on Google Kubernetes Engine clusters.

Name	Description
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Name	Description
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<code>container/cluster</code>	Name of the cluster to use by default.
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The `proxy` section contains properties related to the use of network proxies by the `gcloud` command.

Name	Description
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<code>proxy/type</code>	Type of proxy server. Supported proxy types are: <ul style="list-style-type: none"> • <code>http</code> • <code>http_no_tunnel</code> • <code>socks4</code> • <code>socks5</code>
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<code>proxy/address</code>	Hostname or IP address of the proxy server.
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<code>proxy/port</code>	Port to use when connected to the proxy server.
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<code>proxy/username</code>	Username to use when connecting to the proxy server, if required.
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<code>proxy/password</code>	Password to use when connecting to the proxy server, if required.
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<code>proxy/rdns</code>	If True (default), DNS queries will not be performed locally, and instead, handed to the proxy to resolve.
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- Read [SDK Configurations](/sdk/docs/configurations/) to learn more about configurations.