

[Job Search documentation](https://cloud.google.com/talent-solution/job-search/) (<https://cloud.google.com/talent-solution/job-search/>)

[Documentation](#)

Job Search v2 migration guide

Overview

Pursuant to the notification sent on August 23, 2019, Job Search v2 will be deactivated on November 30, 2019. If you are currently using this version you have the option to upgrade to either a version in General Availability or a version in Beta (see Google Cloud's [launch stages](https://cloud.google.com/products/#product-launch-stages) (<https://cloud.google.com/products/#product-launch-stages>) for more information). The version in General Availability is v3. The versions in Beta are v3p1beta1 and v4beta1. Please refer to the [New additions](https://cloud.google.com/talent-solution/job-search/docs/migration#new_additions) (https://cloud.google.com/talent-solution/job-search/docs/migration#new_additions) and [Functionality changes](https://cloud.google.com/talent-solution/job-search/docs/migration#functionality_changes) (https://cloud.google.com/talent-solution/job-search/docs/migration#functionality_changes) sections below for more information about key differences between the three current versions.

Starting with Cloud Talent Solution v4beta1 and including any future newer versions, only gRPC-based client libraries will be supported. v3 and v3p1beta1 will continue to support JSON/REST client libraries in addition to gRPC.

In general, we recommend that you upgrade to the latest version (v4beta1) to enjoy the latest functionality. However, you should carefully review the changes, supportability, and effort required to implement each version to determine the version that's best for your individual business.

New additions

v3	v3p1beta1 (includes v3 features)	v4beta1 (recommended; includes v3p1beta1 features)
Military code-based search (https://cloud.google.com/talent-solution/job-search/v3/docs/military-codes)	New histogram expression (https://cloud.google.com/talent-solution/job-search/v3/docs/histogram-expression)	Improved commute search (https://cloud.google.com/talent-solution/job-search/docs/commute-search)
Commute search (https://cloud.google.com/talent-solution/job-search/v3/docs/commute-search)	Custom ranking (https://cloud.google.com/talent-solution/job-search/v3/docs/custom-ranking)	Improved client events feedback mechanism (https://cloud.google.com/talent-solution/job-search/docs/events)
CTS management tool (https://cloud.google.com/talent-solution/docs/management-tools)	Beta client library (https://cloud.google.com/talent-solution/job-search/v3/docs/beta-client-libraries)	Multi-tenancy support (https://cloud.google.com/talent-solution/job-search/docs/tenants)
---	---	Batch operations (https://cloud.google.com/talent-solution/job-search/docs/batch)
---	---	gRPC client library (https://cloud.google.com/talent-solution/job-search/docs/migration#grpc_client_library)

gRPC client library

Starting with Cloud Talent Solution v4beta1, only gRPC-based client libraries will be supported. gRPC is a high performance transport protocol that can run in any environment and will significantly change the structure of any code written. You have the ability to generate your own gRPC client library or use the CTS-generated client library.

Please see to our [FAQ](https://www.grpc.io/faq/) (https://www.grpc.io/faq/) for more information about gRPC.

Functionality changes

For a complete picture of functionality changes we recommend that you review the [release notes](https://cloud.google.com/talent-solution/docs/release-notes) (<https://cloud.google.com/talent-solution/docs/release-notes>) to see how changes have iterated over time. We have identified some critical functional changes between v2 and more recent versions below.

Functional changes	v2	v3 and newer
Compensation ranges	Required both the max and min ranges to be set when defining the compensation range.	Compensation range can be longer required.
Compensation information	Not supported.	Allows you to modify the cor (https://cloud.google.com/talent-solution/docs/reference/rpc/API-call).
<u>DiversificationLevel</u> (https://cloud.google.com/talent-solution/job-search/v3/docs/reference/rest/v3p1beta1/DiversificationLevel)	Provided as the default. You don't have the option to turn this feature off.	DiversificationLevel controls each other in the search resu
Max number of characters for languageCode	Increased from 10 to 16, BCP-47 format is required.	Accepts locale strings of 16
Client events	Pub/Sub implementation required.	A set of APIs to simplify clier implementation.
Expired jobs	Not supported.	Supported. See the postingE (https://cloud.google.com/talent-solution/docs/reference/rest/postingE) for a detailed
<u>customAttributeFilter</u> (https://cloud.google.com/talent-solution/job-search/docs/reference/rest/v4beta1/JobQuery) maximum size	Increased from 3KB to 6KB.	6KB.
Code samples	Not available.	Available from v3.

Suggested migration plan

Phase 1: Plan

Read

Start by reading through the documentation for each version to understand the key changes for each.

- [v3](https://cloud.google.com/talent-solution/job-search/v3/docs/) ([https://cloud.google.com/talent-solution/job-search/v3/docs/](https://cloud.google.com/talent-solution/job-search/v3/docs/reference/rpc/google.cloud.talent.v3p1beta1)) and [v3p1beta1](https://cloud.google.com/talent-solution/job-search/v3/docs/reference/rpc/google.cloud.talent.v3p1beta1) (<https://cloud.google.com/talent-solution/job-search/v3/docs/reference/rpc/google.cloud.talent.v3p1beta1>)
- [v4beta1](https://cloud.google.com/talent-solution/job-search/docs/) (<https://cloud.google.com/talent-solution/job-search/docs/>)

Evaluate new features

The next step is to evaluate new features based on your business needs. We typically recommend upgrading to the latest version in order to enjoy the most functionality. However, since the latest version (v4beta1) is still in Beta, make sure that you understand Google Cloud's product [launch stages](https://cloud.google.com/products/#product-launch-stages) (<https://cloud.google.com/products/#product-launch-stages>) to determine the version that's best for your business.

Estimate efforts

After deciding on a version to upgrade to, you'll want to estimate your efforts to migrate from v2 to this more recent version (considering field, functionality, and client library changes). Overall, you will want to estimate your time by taking the following phases into consideration:

- Development
- Testing
- Calendar time needed for rollout

Create a project plan and allocate resources

Determine when you will do specific work and who will be responsible for that work. Reminder: v2 will no longer function after November 30, 2019, so be sure that your plan includes a sufficient time buffer.

Phase 2: Develop

- Login to [GCP Cloud Platform](http://console.cloud.google.com) (<http://console.cloud.google.com>) and agree to the new terms and conditions.
- Further steps are customer specific (for example, this can depend on features and existing code).

Phase 3: Test

These steps are customer specific.

Phase 4: Rollout

These steps are customer specific.

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