Explore parameters

By default, the field picker is organized by headings that correspond to the views specified by the LookML view parameter. Each view's fields are grouped in the field picker. The type of field (dimension, dimension group, measure, filter field, and parameter field) determines where the field is shown within the view

bookmark\_border

* **On this page**
* [Example usage](https://cloud.google.com/looker/docs/reference/param-explore#example_usage)
* [Parameter definitions](https://cloud.google.com/looker/docs/reference/param-explore#parameter_definitions)

This page links to all the LookML parameters that are children of the explore parameter.

An Explore serves as the starting point for a query in the Looker application. Explores reference [views](https://cloud.google.com/looker/docs/reference/param-view) and each Explore can contain [joins](https://cloud.google.com/looker/docs/reference/param-join) to other views. Explores should typically be declared in a [model file](https://cloud.google.com/looker/docs/reference/param-model).

**Example usage**

*Hover over a parameter name to see a quick description; click it to jump to that page.  
When a parameter can be set to one of several specific options, the default value is listed first.*

## STRUCTURAL PARAMETERS  
[explore](https://cloud.google.com/looker/docs/reference/param-explore-explore): explore\_name {  
  [extension](https://cloud.google.com/looker/docs/reference/param-explore-extension): required  
  [extends](https://cloud.google.com/looker/docs/reference/param-explore-extends): [explore\_name, explore\_name, ...]  
  [fields](https://cloud.google.com/looker/docs/reference/param-explore-fields): [field\_or\_set, field\_or\_set, ...]  
  [tags](https://cloud.google.com/looker/docs/reference/param-explore-tags): ["string1", "string2", ...]  
  
  # DISPLAY PARAMETERS  
  [description](https://cloud.google.com/looker/docs/reference/param-explore-description): "Description I want"  
  [group\_label](https://cloud.google.com/looker/docs/reference/param-explore-group-label): "Label to use as a heading in the Explore menu"  
  [hidden](https://cloud.google.com/looker/docs/reference/param-explore-hidden): yes | no  
  [label](https://cloud.google.com/looker/docs/reference/param-explore-label): "desired label"  
  [query](https://cloud.google.com/looker/docs/reference/param-explore-query): {  
      # Desired query parameters (described on the [query](https://cloud.google.com/looker/docs/reference/param-explore-query) page)      
  }  
  [view\_label](https://cloud.google.com/looker/docs/reference/param-explore-view-label): "Field picker heading I want for the Explore's fields"  
  
  # FILTER PARAMETERS  
  [access\_filter](https://cloud.google.com/looker/docs/reference/param-explore-access-filter): {  
    [field](https://cloud.google.com/looker/docs/reference/param-explore-access-filter): fully\_scoped\_field  
    [user\_attribute](https://cloud.google.com/looker/docs/reference/param-explore-access-filter): user\_attribute\_name  
  }  
  # Possibly more access\_filter declarations  
  [always\_filter](https://cloud.google.com/looker/docs/reference/param-explore-always-filter): {  
    [filters](https://cloud.google.com/looker/docs/reference/param-explore-always-filter): [field\_name: "filter expression", field\_name: "filter expression", ...]  
  }  
  [case\_sensitive](https://cloud.google.com/looker/docs/reference/param-explore-case-sensitive): yes | no  
  [conditionally\_filter](https://cloud.google.com/looker/docs/reference/param-explore-conditionally-filter): {  
    [filters](https://cloud.google.com/looker/docs/reference/param-explore-conditionally-filter): [field\_name: "filter expression", field\_name: "filter expression", ...]  
    [unless](https://cloud.google.com/looker/docs/reference/param-explore-conditionally-filter): [field\_name, field\_name, ...]  
  }  
  [sql\_always\_having](https://cloud.google.com/looker/docs/reference/param-explore-sql-always-having): SQL HAVING condition ;;  
  [sql\_always\_where](https://cloud.google.com/looker/docs/reference/param-explore-sql-always-where): SQL WHERE condition ;;  
  
  # JOIN PARAMETERS  
  [always\_join](https://cloud.google.com/looker/docs/reference/param-explore-always-join): [view\_name, view\_name, ...]  
  [join](https://cloud.google.com/looker/docs/reference/param-explore-join): view\_name {  
    # Desired join parameters (described on [Join Parameters](https://cloud.google.com/looker/docs/reference/param-join) page)  
  }  
  # Possibly more join declarations  
  
  # QUERY PARAMETERS  
  [cancel\_grouping\_fields](https://cloud.google.com/looker/docs/reference/param-explore-cancel-grouping-fields): [fully\_scoped\_field, fully\_scoped\_field, ...]  
  [from](https://cloud.google.com/looker/docs/reference/param-explore-from): view\_name  
  [persist\_for](https://cloud.google.com/looker/docs/reference/param-explore-persist-for): "N (seconds | minutes | hours)"  
  [persist\_with](https://cloud.google.com/looker/docs/reference/param-explore-persist-with): datagroup\_name  
  [required\_access\_grants](https://cloud.google.com/looker/docs/reference/param-explore-required-access-grants): [access\_grant\_name, access\_grant\_name, ...]  
  [sql\_table\_name](https://cloud.google.com/looker/docs/reference/param-explore-sql-table-name): table\_name ;;  
  [symmetric\_aggregates](https://cloud.google.com/looker/docs/reference/param-explore-symmetric-aggregates): yes | no  
  [view\_name](https://cloud.google.com/looker/docs/reference/param-explore-view-name): view\_name  
  
  # AGGREGATE TABLE PARAMETERS  
  [aggregate\_table](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table): table\_name {  
    [query](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table#query): {  
      # Desired query parameters (described on the [aggregate\_table](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table" \l "query) page)  
    }  
    [materialization](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table#materialization): {  
      # Desired materialization parameters (described on the [aggregate\_table](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table" \l "materialization) page)  
    }  
  }  
  # Possibly more aggregate\_table declarations  
  
}  
  
## REFINEMENT PARAMETERS  
explore: [+explore\_name](https://cloud.google.com/looker/docs/lookml-refinements) {  
  [final](https://cloud.google.com/looker/docs/lookml-refinements#final): yes  
}

**Parameter definitions**

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
| Structural Parameters | |
| [extends (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-extends) | Specifies Explore(s) that will be extended by this Explore |
| [extension (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-extension) | Specifies that the Explore requires extension and cannot itself be exposed to users |
| [explore (for model)](https://cloud.google.com/looker/docs/reference/param-explore-explore) | Exposes a view in the Explore menu |
| [fields (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-fields) | Limits the fields available in an Explore from its base view and through the Explore's joins |
| [tags (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-tags) | Specifies text that can be passed to other applications |
| Display Parameters | |
| [description (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-description) | Adds a description for an Explore that appears to users in the UI |
| [group\_label (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-group-label) | Creates a group label to use as a heading in the Explore menu |
| [hidden (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-hidden) | Hides an Explore from the Explore menu |
| [label (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-label) | Changes the way an Explore appears in the Explore menu |
| [query (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-query) | Creates a predefined query for users to select in an Explore's Quick Start menu. |
| [view\_label (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-view-label) | Specifies how a group of fields from the Explore's base view will be labeled in the field picker |
| Filter Parameters | |
| [access\_filter](https://cloud.google.com/looker/docs/reference/param-explore-access-filter) | Adds user-specific filters to an Explore |
| [always\_filter](https://cloud.google.com/looker/docs/reference/param-explore-always-filter) | Adds filters a user can change, but not remove, to an Explore |
| [case\_sensitive (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-case-sensitive) | Specifies whether filters are case-sensitive for an Explore |
| [conditionally\_filter](https://cloud.google.com/looker/docs/reference/param-explore-conditionally-filter) | Adds filters to an Explore if a user does not add their own filter from a specific list |
| [sql\_always\_having](https://cloud.google.com/looker/docs/reference/param-explore-sql-always-having) | Inserts conditions into the query's HAVING clause that a user cannot change or remove for this Explore |
| [sql\_always\_where](https://cloud.google.com/looker/docs/reference/param-explore-sql-always-where) | Inserts conditions into the query's WHERE clause that a user cannot change or remove for this Explore |
| Join Parameters | |
| [always\_join](https://cloud.google.com/looker/docs/reference/param-explore-always-join) | Specifies which joins must always be applied to an Explore |
| [join](https://cloud.google.com/looker/docs/reference/param-explore-join) | Joins an additional view to an Explore. For more information about joins and their parameters, see the [Join Parameters](https://cloud.google.com/looker/docs/reference/param-join) reference page. |
| Query Parameters | |
| [cancel\_grouping\_fields](https://cloud.google.com/looker/docs/reference/param-explore-cancel-grouping-fields) | Cancels the GROUP BY clause when certain fields are chosen in an Explore |
| [from (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-from) | Specifies the view on which an Explore will be based, and reference the fields of that view by the Explore's name |
| [persist\_for (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-persist-for) | Changes the cache settings for an Explore |
| [persist\_with (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-persist-with) | Specifies the datagroup to use for the Explore's caching policy |
|  |  |
| [required\_access\_grants (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-required-access-grants) | Limits access to the Explore to only users whose user attribute values match the access grants |
| [sql\_table\_name (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-sql-table-name) | Specifies the database table on which an Explore will be based |
| [symmetric\_aggregates](https://cloud.google.com/looker/docs/reference/param-explore-symmetric-aggregates) | Specifies whether symmetric aggregates are enabled for an Explore |
| [view\_name (for Explore)](https://cloud.google.com/looker/docs/reference/param-explore-view-name) | Specifies the view on which an Explore will be based, and references the fields of that view by the view's name |
| Aggregate Table Parameters | |
| [aggregate\_table](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table) | Creates an aggregate table in order to use aggregate awareness for queries on the Explore. For information on the aggregate\_table parameter, see the [aggregate\_table](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table) parameter page. For an overview of aggregate awareness, see the [Aggregate awareness](https://cloud.google.com/looker/docs/aggregate_awareness) documentation page. |
| [query](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table#query) | Defines the query for the aggregate table. For information on query and its subparameters, see the [aggregate\_table](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table" \l "query) parameter page. |
| [materialization](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table#materialization) | Defines the persistence strategy for the aggregate table. For information on materialization and its subparameters, see the [aggregate\_table](https://cloud.google.com/looker/docs/reference/param-explore-aggregate-table" \l "materialization) parameter page. |
| Refinement Parameters | |
| [explore: +explore\_name](https://cloud.google.com/looker/docs/lookml-refinements) | Adds a plus sign (+) in front of an existing Explore name to add a refinement to the existing Explore. See the [LookML refinements](https://cloud.google.com/looker/docs/lookml-refinements) documentation page for more information and use cases. |
| [final](https://cloud.google.com/looker/docs/lookml-refinements#final) | Indicates that the current refinement is the final refinement allowed for the Explore. See the [LookML refinements](https://cloud.google.com/looker/docs/lookml-refinements" \l "final) documentation page for more information and use cases. |
| Parameters to Avoid | |
| access\_filter\_fields | REMOVED 6.0 Replaced by [access\_filter](https://cloud.google.com/looker/docs/reference/param-explore-access-filter) |