**Join parameters**

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This page links to all the LookML parameters that are children of the join parameter. You can learn more about using joins on the [Working with joins in LookML](https://cloud.google.com/looker/docs/working-with-joins) documentation page.

A join is what allows multiple [views](https://cloud.google.com/looker/docs/reference/param-view) to be added to a single [Explore](https://cloud.google.com/looker/docs/reference/param-explore), allowing users to access and compare fields from various views at the same time. You declare the Explore and any desired join parameters 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 {  
  # Desired Explore parameters (described on [Explore Parameters](https://cloud.google.com/looker/docs/reference/param-explore) page)  
  
  [join](https://cloud.google.com/looker/docs/reference/param-explore-join): join\_name {  
  
    # DISPLAY PARAMETERS  
    [view\_label](https://cloud.google.com/looker/docs/reference/param-explore-join-view-label): "desired label for the view"  
  
    # JOIN PARAMETERS  
    [fields](https://cloud.google.com/looker/docs/reference/param-explore-join-fields): [field\_or\_set, field\_or\_set, ...]  
    [foreign\_key](https://cloud.google.com/looker/docs/reference/param-explore-join-foreign-key): dimension\_name  
    [from](https://cloud.google.com/looker/docs/reference/param-explore-join-from): view\_name  
    [outer\_only](https://cloud.google.com/looker/docs/reference/param-explore-join-outer-only): no | yes  
    [relationship](https://cloud.google.com/looker/docs/reference/param-explore-join-relationship): many\_to\_one | many\_to\_many | one\_to\_many | one\_to\_one  
    [required\_joins](https://cloud.google.com/looker/docs/reference/param-explore-join-required-joins): [view\_name, view\_name, ...]  
    [sql\_on](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-on): SQL ON clause ;;  
    [sql\_table\_name](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-table-name): table\_name ;;  
    [type](https://cloud.google.com/looker/docs/reference/param-explore-join-type): left\_outer | cross | full\_outer | inner  
  
    # QUERY PARAMETERS  
    [required\_access\_grants](https://cloud.google.com/looker/docs/reference/param-explore-join-required-access-grants): [access\_grant\_name, access\_grant\_name, ...]  
    [sql\_where](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-where): SQL WHERE condition ;;  
  }  
  # Possibly more join declarations  
}

**Parameter definitions**

|  |  |
| --- | --- |
| **Parameter Name** | **Description** |
| Structural Parameters | |
| [join](https://cloud.google.com/looker/docs/reference/param-explore-join) | Joins an additional view to an Explore |
| Display Parameters | |
| [view\_label (for join)](https://cloud.google.com/looker/docs/reference/param-explore-join-view-label) | Changes the way the join's view name appears in the field picker |
| Join Parameters | |
| [fields (for join)](https://cloud.google.com/looker/docs/reference/param-explore-join-fields) | Determines which fields from a join are brought into an Explore |
| [foreign\_key](https://cloud.google.com/looker/docs/reference/param-explore-join-foreign-key) | Specifies a relationship between an Explore and a join using the joined view's primary key |
| [from (for join)](https://cloud.google.com/looker/docs/reference/param-explore-join-from) | Specifies the view on which a join will be based |
| [outer\_only](https://cloud.google.com/looker/docs/reference/param-explore-join-outer-only) | Specifies whether all queries must use an outer join |
| [relationship](https://cloud.google.com/looker/docs/reference/param-explore-join-relationship) | Declares a join as having a one-to-one, many-to-one, one-to-many, or many-to-many relationship |
| [required\_joins](https://cloud.google.com/looker/docs/reference/param-explore-join-required-joins) | Specifies which joins should be applied to an Explore when fields from a certain join are chosen |
| [sql\_on](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-on) | Specifies a relationship between an Explore and a join by writing a SQL ON clause |
| [sql\_table\_name (for join)](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-table-name) | Specifies the database table on which a join will be based |
| [type (for join)](https://cloud.google.com/looker/docs/reference/param-explore-join-type) | Declares a join as being a left, a full, an inner, or a cross type |
| Query Parameters | |
| [required\_access\_grants (for join)](https://cloud.google.com/looker/docs/reference/param-explore-join-required-access-grants) | Limits access to the join to only users whose user attribute values match the access grants |
| [sql\_where](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-where) | If this join is included in the query, inserts conditions into the query's WHERE clause that a user cannot change or remove for this Explore. (For BigQuery only) |
| Parameters to Avoid | |
| [sql (for join)](https://cloud.google.com/looker/docs/reference/param-explore-join-sql) | AVOID 3.10 Replaced by a combination of [sql\_on](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-on), [foreign\_key](https://cloud.google.com/looker/docs/reference/param-explore-join-foreign-key), [type](https://cloud.google.com/looker/docs/reference/param-explore-join-type), and/or [sql\_table\_name](https://cloud.google.com/looker/docs/reference/param-view-sql-table-name), as described [here](https://cloud.google.com/looker/docs/reference/param-explore-join-sql#definition) |
| [sql\_foreign\_key](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-foreign-key) | AVOID 3.16 Replaced by [foreign\_key](https://cloud.google.com/looker/docs/reference/param-explore-join-foreign-key) |