

# Extract Values From A Map

AtScale has a special tool for adding calculated columns that extract key:value pairs from a map.

## About This Task

A `MAP` type column contains a delimited list of key:value pairs. Map columns are imported into AtScale as `STRING` type columns. AtScale does not support the `MAP` data type, but it does have a special calculated column creation tool for working with strings containing a map. This tool generates a calculated column formula using the `REGEXP_EXTRACT` function.

## Procedure

1. Locate the dataset on the canvas, and open the dataset preview so you can see the sample values.
2. Locate the `STRING` type column that contains map values (a delimited list of key:value pairs).
3. Locate the column in the dataset, and click the edit icon to open the 'calculated column from map' tool.



**Note:** The 'calculated column from map' tool opens for any `STRING` type column, regardless if the values are a map or not.

4. In the **Delimited** list, choose the data type for the key, the delimiter character separating a key and a value, the data type for the value, and the delimiter character separating the key:value pairs.
5. In the **Columns** list, enter the name of the key whose value you want to extract, and choose the data type of the new calculated column you are adding.
6. (optional) Click **Add Column** to extract other values from the map. If you click this in error, delete the item from the **Columns** list.
7. Click Save. Confirm that the new calculated columns were added to the dataset.