



DEVELOPER

S

[Getting Started](#)[Examples](#)Generate latitude and longitude from IP address

On this page

Generate latitude and longitude from IP address

! INFO

Generate the latitude and longitude information of the area based on the IP address

Demo

IP location

Manager

Grid view

New view

Insert record

Hide fields

Filter

Group

Sort

Row height

Share

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API

Advanced

	IP address	Latitude and Longitude	
1	8.8.8.8		
2	208.67.222.222		
3	208.67.220.220		
4	1.1.1.1		
5	9.9.9.9		
6	185.228.168.168		
7	185.228.169.168		
8	77.88.8.8		
9	77.88.8.1		
10	176.103.130.130		
+			

10 records

Widget board

Script

Edit code

Stop

Please select the field where the IP address is located:

Please select an op...

Next

Console

Source code

```

const datasheet = await space.getActiveDatasheetAsync();
const ipField = await input.fieldAsync(
  "Please select the field where the IP address is located:",
  datasheet
);
const coordinateField = await input.fieldAsync(
  "Please select latitude and longitude to generate field:",
  datasheet
);

// Define a dataset to store the data used to update the "latitude and longitude" column
const finalData = [];

// Obtain coordinate information by IP address
async function getCoordinateInfo(ip) {
  const res = await fetch(`https://ipwho.is/${ip}`);
  return await res.json();
}

const ipFieldId = ipField.id;
const coordinateFieldId = coordinateField.id;
const records = datasheet.getRecordsAsync();

for (let record of records) {
  const recordId = record.id;
  let ip = record.getCellValue(ipFieldId);
  //The data that is empty does not belong to the content to be converted into latitude and longitude, so it is ski
  if (ip == null) continue;
  const res = await getCoordinateInfo(ip);
  const coordinate = `${res.longitude}, ${res.latitude}`;
  // Add the data that needs to be updated to the finalData array
  finalData.push({
    id: recordId,
    valuesMap: {
      [coordinateFieldId]: coordinate,
    },
  });
}

if (finalData.length) {
  await datasheet.updateRecordsAsync(finalData);
}

output.text("IP address has been converted to latitude and longitude!!!");

```

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