


<https://docs.microsoft.com/en-us/azure/azure-maps/quick-demo-map-app>

# Quickstart: Create an interactive search map with Azure Maps

07/10/2020 • 3 minutes to read •  +4

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This article shows you how to use Azure Maps to create a map that gives users an interactive search experience. It walks you through these basic steps:

- Create your own Azure Maps account.
- Get your primary key to use in the demo web application.
- Download and open the demo map application.

## Prerequisites

- If you don't have an Azure subscription, create a [free account](#) before you begin.
- Sign in to the [Azure portal](#).

## Create an Azure Maps account

Create a new Azure Maps account with the following steps:

1. In the upper left-hand corner of the [Azure portal](#), click **Create a resource**.
2. In the *Search the Marketplace* box, type **Azure Maps**.
3. From the *Results*, select **Azure Maps**. Click **Create** button that appears below the map.

#### 4. On the **Create Maps Account** page, enter the following values:

- The *Subscription* that you want to use for this account.
- The *Resource group* name for this account. You may choose to *Create new* or *Use existing* resource group.
- The *Name* of your new account.
- The *Pricing tier* for this account.
- Read the *License* and *Privacy Statement*, and check the checkbox to accept the terms.
- Click the **Create** button.

The screenshot shows the 'Create Azure Maps Account' page in the Microsoft Azure portal. The page is titled 'Create Azure Maps Account' and has a close button (X) in the top right corner. Below the title, there is a section for 'PROJECT DETAILS' with the instruction: 'Select the subscription to manage deployed resources and costs. Use Resource groups like folders to organize and manage all your resources.' There are two dropdown menus: 'Subscription \*' with the value 'contoso-subscription' and 'Resource group \*' with the value 'contoso-resource-group'. Below the 'Resource group \*' dropdown is a link 'Create new'. Below the project details is a section for 'ACCOUNT DETAILS' with two fields: 'Name \*' with the value 'contoso-maps' and a green checkmark, and 'Pricing tier \*' with the value 'Standard S1'. Below these fields is a link 'See pricing details and pricing tier guide'. At the bottom of the account details section is a checkbox 'I confirm that I have read and agree to the License and Privacy Statement. \*' which is checked. Below the checkbox is a note: 'Note - Azure Maps shares customer-provided address/location queries ("Queries") with third party TomTom for mapping functionality purposes. Queries are not linked to any customer or end-user when shared with TomTom and cannot be used to identify individuals. Microsoft is currently in the process of adding TomTom to the Online Services Subcontractor List. Note that the Mobility and Weather Services which include integration with Moovit and AccuWeather are currently in PREVIEW.' At the bottom of the page is a blue 'Create' button.

## Get the primary key for your account

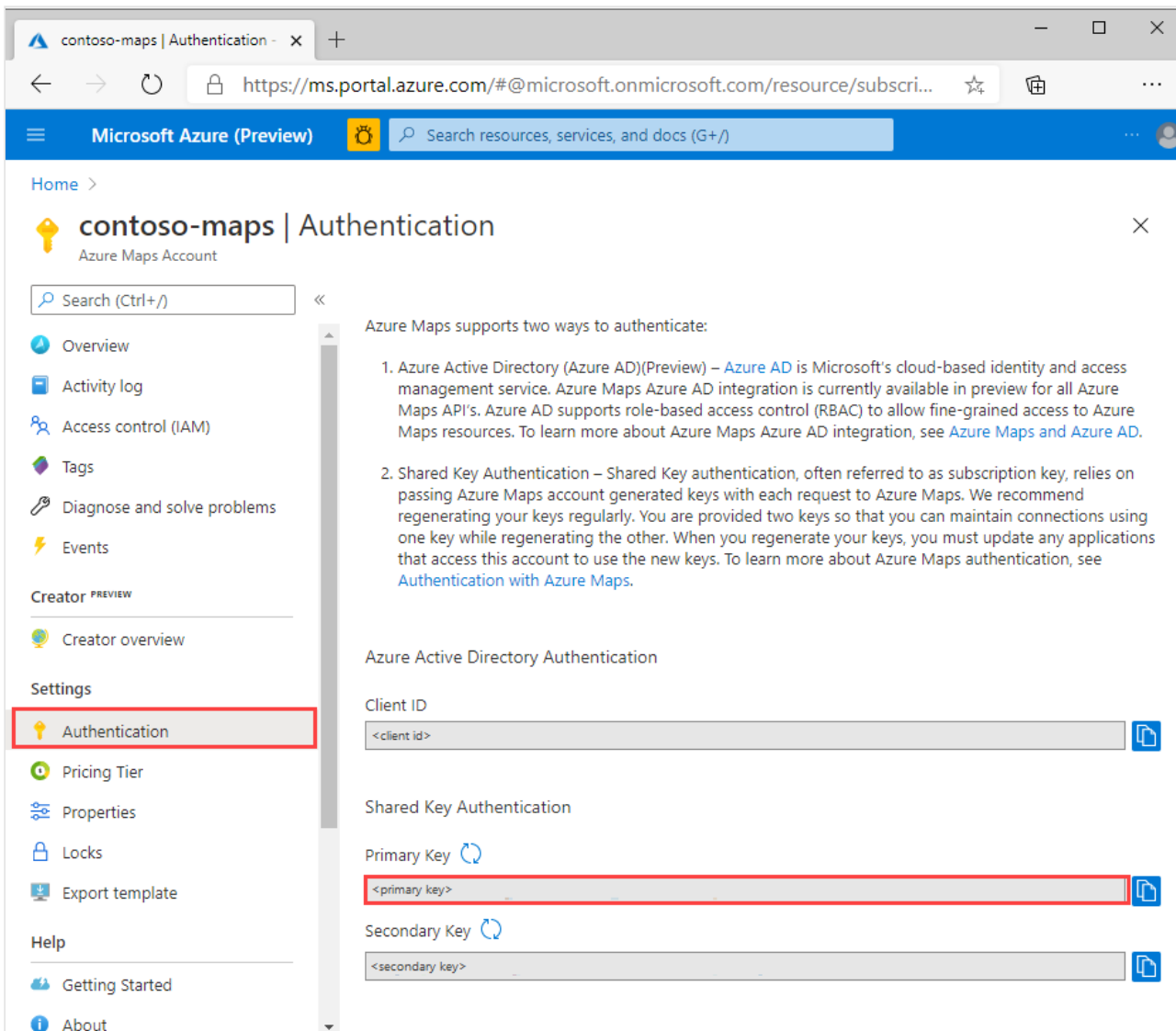
Once your Maps account is successfully created, retrieve the primary key that enables you to query the Maps APIs.

1. Open your Maps account in the portal.
2. In the settings section, select **Authentication**.

3. Copy the **Primary Key** to your clipboard. Save it locally to use later in this tutorial.

### Note

If you use the subscription key instead of the primary key, your map won't render properly. Also, for security purposes, it is recommended that you rotate between your primary and secondary keys. To rotate keys, update your app to use the secondary key, deploy, then press the cycle/refresh button beside the primary key to generate a new primary key. The old primary key will be disabled. For more information on key rotation, see [Set up Azure Key Vault with key rotation and auditing](#)



The screenshot shows the Azure portal interface for the 'contoso-maps' resource. The left-hand navigation pane is open, and the 'Authentication' option under the 'Settings' section is highlighted with a red rectangle. The main content area displays the 'Authentication' page for the 'contoso-maps' Azure Maps Account. It explains that Azure Maps supports two authentication methods: Azure Active Directory (Azure AD) and Shared Key Authentication. Under the 'Shared Key Authentication' section, the 'Primary Key' field is highlighted with a red rectangle, showing a placeholder '<primary key>'. There are refresh/cycle buttons next to both the Primary and Secondary Key fields.

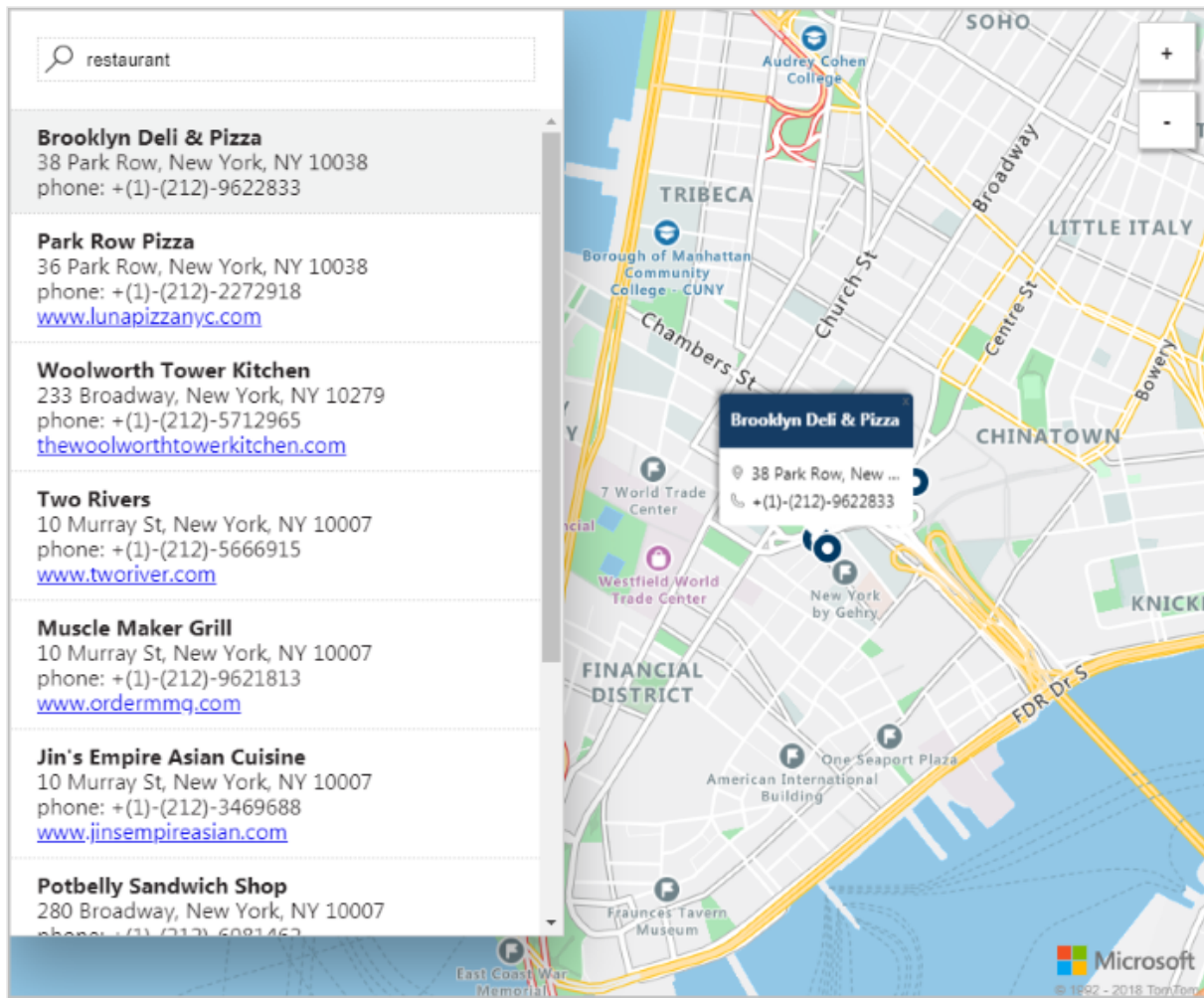
## Download the demo application

1. Go to [interactiveSearch.html](https://interactiveSearch.html). Copy the content of the file.

2. Save the contents of this file locally as **AzureMapDemo.html**. Open it in a text editor.
3. Search for the string <Your Azure Maps Key>. Replace it with the **Primary Key** value from the preceding section.

## Open the demo application

1. Open the file **AzureMapDemo.html** in a browser of your choice.
2. Observe the map shown of the City of Los Angeles. Zoom in and out to see how the map automatically renders with more or less information depending on the zoom level.
3. Change the default center of the map. In the **AzureMapDemo.html** file, search for the variable named **center**. Replace the longitude, latitude pair value for this variable with the new values **[-74.0060, 40.7128]**. Save the file and refresh your browser.
4. Try out the interactive search experience. In the search box on the upper-left corner of the demo web application, search for **restaurants**.
5. Move your mouse over the list of addresses and locations that appear below the search box. Notice how the corresponding pin on the map pops out information about that location. For privacy of private businesses, fictitious names and addresses are shown.



## Clean up resources

### ⚠ Warning

The tutorials listed in the **Next Steps** section detail how to use and configure Azure Maps with your account. Don't clean up the resources created in this quickstart if you plan to continue to the tutorials.

If you don't plan to continue to the tutorials, take these steps to clean up the resources:

1. Close the browser that runs the **AzureMapDemo.html** web application.
2. Navigate to the Azure portal page. Select **All resources** from the main portal page.  
Or, click on the menu icon in the upper left-hand corner. Select **All resources**.
3. Click on your Azure Maps account. At the top of the page, click **Delete**.

## Next steps

In this quickstart, you created your Azure Maps account and created a demo application. Take a look at the following tutorials to learn more about Azure Maps:

Search nearby points of interest with Azure Maps

For more code examples and an interactive coding experience, see these guides:

Find an address with Azure Maps search service

Use the Azure Maps Map Control

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**Is this page helpful?**

 Yes  No