

## Configuring XPression Maps to Use Bing™ Maps Services

XPression Maps can be configured to use **Bing Maps** as its external map service provider. Once connected to a valid **Bing Maps for Enterprise** account, XPression Maps integrates with Bing Maps services to perform various tasks such as geolocation searches and retrieving map imagery tiles of various styles, including satellite views.

- ★ XPression Maps supports integration with several third-party map service providers, which require customer-managed, pay-as-you-go subscription accounts. Ross Video does not offer billing integration with these vendors; all transactions are handled via the API Key provided by the customer.

Customers are fully responsible for setting up and managing subscriptions, payments, and account details directly with each third-party provider. Ross Video does not participate in any billing or commercial arrangements with these services.

### Overview of the Configuration Process

**To configure XPression Maps to use Bing Maps services:**

1. Open the **Bing Maps Dev Center** and sign in to your existing **Bing Maps for Enterprise** account.
2. Go to **My account > My Keys**.
  - If an application key already exists for **XPression Maps**, select **Copy Key** to copy it to your clipboard. Then, paste and save the key in a local text file for future reference.
  - If an application key doesn't already exist for **XPression Maps**, create an application key. Then, save a copy of the key in a local text file for future reference. See [Creating an Application Key](#) <sup>2</sup>.
3. Launch the **XPression Maps** application.
4. In the **Preferences > Connections** window, enter and validate the application key, then set the **Search** and **Base Maps** fields to **Bing Maps**. See [Configuring the External Provider Settings in XPression Maps](#) <sup>2</sup>.
5. Save the changes and close the **Preferences** window.
6. Restart XPression Maps.

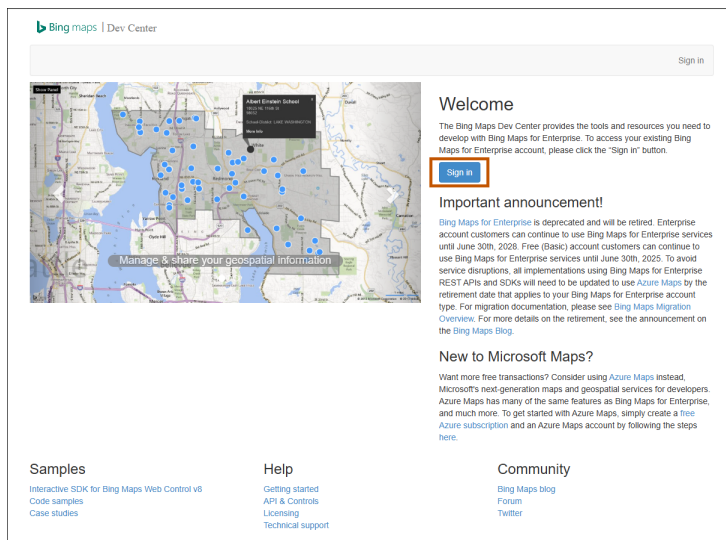
Bing Maps is now the assigned external mapping service provider.

## Creating an Application Key

A Bing Maps application key is required to establish a connection and authenticate requests from XPression Maps. Create a new application key in the **Bing Maps Dev Center**. The key will later be used when configuring the [External Provider settings](#) in XPression Maps.

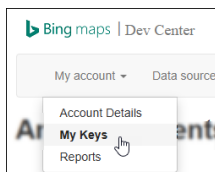
### To create an application key:

1. Go to the **Bing Maps Dev Center** at <https://www.bingmapsportal.com/>.
2. Sign in to your **Bing Maps for Enterprise** account with the **Microsoft account** that you used to create the account.



### Bing Maps Dev Center - Sign In

3. From the menu bar, select **My account > My Keys**.



### Bing Maps Dev Center - My Keys Menu Option

4. Verify that XPression Maps is not already listed in the table of existing keys.
  - If **XPression Maps** is already listed, then select **Copy Key** to copy it to your clipboard, then paste and save it in a local text file for future reference.
  - If **XPression Maps** is not listed, then select **Click here to create a new key**.

5. Complete the **Create key** fields as follows:

- **Application name:** XPression Maps
- **Application URL:** Leave blank
- **Key type:** Basic
- **Application type:** Dev/Test

### Create Key

6. At the bottom of the form, select the email link to contact the **Bing Maps** account team to request that the **Application type** be changed to **Broadcast**.

### Send Email

The **Broadcast** option cannot be selected directly from the **Application type** drop-down. Microsoft will set it for you.

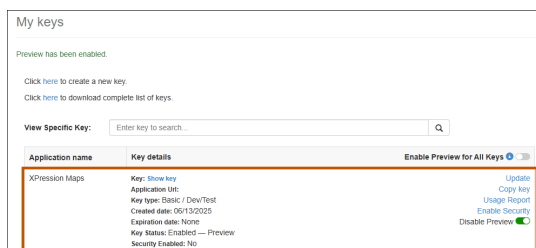
7. In the email, provide the following:

- The **name** and **address** of the broadcaster
- The **Account id** of the Bing Maps account (click **My account** > **Account** details to see your **Account id**)
- The **Application** name as entered in the form

It may take a day or two for the **Application type** to be changed to **Broadcast**. In the meantime, you can still create the application key and it can be used for testing and training on XPression Maps. If any further information is required, you will receive an email from Microsoft. Otherwise, you will receive an email to let you know that your key has been changed to **Broadcast**.

8. Select the **Create** button to create the application key.

Once the key is created, the new key appears in the table at the bottom of the **My Keys** page.



*Application Key*

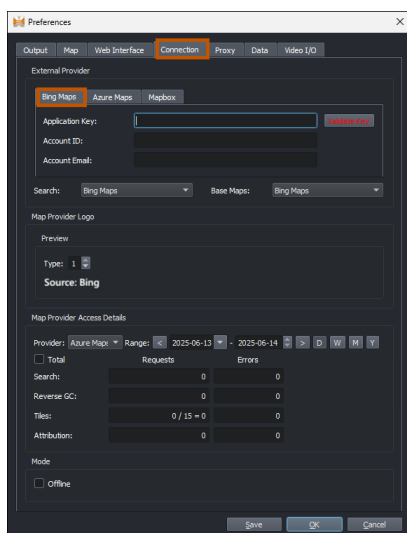
## Configuring the External Provider Settings in XPression Maps

To integrate XPression Maps with Bing Maps services, you need to connect it to your Bing Maps account and specify **Bing Maps** as the provider for location searches and base maps.

- ★ You must have the authentication key for your Bing Maps account. See [Creating an Application Key for Bing Maps](#) for instructions.

**To configure the XPression Maps External Provider settings:**

1. Open XPression Maps and select **File > Preferences**.
2. Select the **Connection** tab.
3. In the **External Provider** section, select the **Bing Maps** tab.



*Preferences - Connection - Bing Maps*

4. In the **Primary Key** field, paste the primary key you copied from your Bing Maps account.

The **Account ID** and **Account Email** fields are optional and are provided for the user to keep track of the account and email address under which the application key is running.

5. Then select **Validate Key** to check if the key is working.

If the key is valid, the button turns green and displays **Key is valid**.

6. In the **Search** field, select **Bing Maps** as the location service provider used by the **Search Editor** tool in XPression Maps.
7. In the **Base Maps** field, select **Bing Maps** as a maps tiles provider for certain map styles integrated in XPression Maps.
8. In the **Maps Provider Logo** field, select the style of the Bing Maps logo that will appear on the map output.
9. Select **Save**, then **OK**.
10. Restart XPression Maps to apply the changes.