

Using an API Key in Nearmap Integrations

Use your API Key to authenticate with all Nearmap's HTTP-based services: [WMS](#), [WMTS](#), [TMS](#) and [Image API](#). The API Key must be sent with every request to the service.

The API key can be sent with the request using the **apikey** URL parameter or an HTTP **Authorization** header.

Using API Key in a URL

Include the **apikey=YOUR_API_KEY** name/value pair in the URL (replacing "YOUR_API_KEY" with the sequence of characters that make up your API Key).

Here are example URL formats using API Key for our WMS and TMS services, both for Australia and the US:

WMS

- **Australia & New Zealand:** https://wms.nearmap.com/wms?REQUEST=GetCapabilities&apikey=YOUR_API_KEY
- **US:** https://wmsus.nearmap.com/wms?REQUEST=GetCapabilities&apikey=YOUR_API_KEY

Tile API

- **All areas:** https://api.nearmap.com/tiles/v3/Vert/21/1855981/1265938.jpg?apikey=YOUR_API_KEY

TMS

- **Australia & New Zealand:** https://au0.nearmap.com/maps?x=120591&y=78650&z=17&nml=Vert&version=2&httpauth=false&apikey=YOUR_API_KEY
- **US:** http://us0.nearmap.com/maps?x=59899&y=107922&z=18&nml=Vert&version=2&httpauth=false&apikey=YOUR_API_KEY

See our [Tile API](#), [WMS](#), and [TMS](#) documentation for further examples for each of our APIs.

See our [GIS](#) and [CAD](#) Integration pages for specific instructions for various third-party GIS applications.

WMS Links

The [Manage API Keys](#) page of your Nearmap profile contains handy links to our WMS services containing your API Key. Click on the **WMS links** icon. The following screen will pop up:

WMS Links

Connecting WMS is easy with an API key. Simply copy the link below and enter it when prompted by your application.

Once authenticated, your software package will have a way for you to specify:

- The Nearmap layer you want to view
- The coordinate reference system you want to use to view the layer

Additional information can be found [here](#).

Select your region

`https://wms.nearmap.com/wms/`

Australia 

`https://wmsus.nearmap.com/wr`

United States 

Close

Click on the **Australia** or **United States** button to copy the WMS link, including your API Key, to the clipboard. Paste it into your GIS application when prompted.

Note: New Zealand uses Australia WMS link.

Using API Key in an HTTP Authorization Header

The API Key can be presented in an [HTTP Authorization header](#). The format of the header is as follows:

Authorization: Apikey YOUR_API_KEY

The case of the authorization type is significant: the string must be "Apikey" with a capital A and all other characters lowercase.

Here are examples of [cURL](#) commands for our TMS API:

- **Australia & New Zealand:**
`curl -vvv -H'Authorization:Apikey YOUR_API_KEY' 'http://au0.nearmap.com/maps?x=120591&y=78650&z=17&nml=Vert&version=2&httpauth=false'`
- **US:**
`curl -vvv -H'Authorization:Apikey YOUR_API_KEY' 'http://us0.nearmap.com/maps?x=59899&y=107922&z=18&nml=Vert&version=2&httpauth=false'`