WMTS Integration

WMTS (Web Map Tile Service) integration allows users of some GIS software packages to download pre-rendered map tiles from Nearmap servers. WMTS has the advantage of providing low-latency map rendering.

Nearmap's WMTS integration exposes our tile API, which is actually Google-style TMS. More information about our Tile API is available in our Tile API guide. Please note that Nearmap's WMTS imagery is only available in Web Mercator projection (EPSG:3857).

Service Endpoints

Depending on your application, you may need to provide either one of both of the below URLs to connect to Nearmap imagery.

Parameter	US & Canada Endpoint
Capabilities URL	https://us0.nearmap.com/maps/api/wmts/v1/apikey/YOUR_API_KEY
Tile URL template	https://us0.nearmap.com/maps/z={z}&x={x}&y={y}&version=2&nml=Vert&client=wmts_integration&httpauth=false&apikey=YOUR_API_KEY
Parameter	AU & New Zealand Endpoint
Capabilities URL	https://au0.nearmap.com/maps/api/wmts/v1/apikey/YOUR_API_KEY
Tile URL Template	https://au0.nearmap.com/maps/z={z}&x={x}&y={y}&version=2&nml=Vert&client=wmts_integration&httpauth=false&apikey=YOUR_API_KEY

The tile URL templates contains parameters enclosed in braces. The exact values of those differ from application to application, in most cases they are referred to as X, Y, and Z. Sometimes they are also called Row, Column, and Zoom or Level. Please consult your application documentation for details on how to configure the WMTS URL Template.

Below is the table that describes the most common parameter names:

Nearmap Parameter Name	Other Application Names
Y	row, tilerow
X	col, tilecol
Z	zoom, tilematrix, level

Authentication

Nearmap's APIs, including WMTS, use and API Key in the URL for authentication. See API Key Authentication for details.