What are integrations?

Nearmap provides you with several convenient ways to consume our content in your GIS, CAD, BIM, 3D visualisation or asset management applications.

Integrations let you import content you’ve exported from MapBrowser, stream content using WMS or a variety of APIs, or access and share Nearmap imagery inside of ArcGIS.

Supported Nearmap content types

The table below lists the Nearmap content available for each type of integration.

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Supported coordinate systems

This article discusses the coordinate systems that Nearmap supports:

Natively Supported Coordinate Systems for Integrations

Want to know more about Coordinate Systems? Read our blog:
Stream Nearmap content

WMS 2.0

WMS 2.0 is the latest generation Web Mapping Service. This service allows you to use your very own Nearmap WMS URL in your application so you can stream Nearmap Vertical content in real time.

You can stream using WMS 2.0 in one of two ways:

1. **Simple WMS**
   Stream only the latest imagery for the region(s) you have access to (e.g. US, Australia).

2. **Custom WMS**
   Stream imagery for an area which you define and for surveys taken within an optional date range.

Our WMS 2.0 documentation also answers some **WMS 2.0 Frequently Asked Questions**

Other ways to Stream Nearmap Vertical Content

**WMTS Integration**

If you need a low-latency streaming solution for your GIS application, WMTS (Web Map Tile Server) integration allows you to download pre-rendered map tiles from Nearmap servers.

**Google Super Overlay Integration**

All you need is a Nearmap API key and you can access Nearmap Vertical imagery through Google Earth® or Google Earth Pro®.

Read more here: **KML integration with Google Earth Pro**

**Other useful information**

**WMS and Satellite Imagery** - explains what happen when there's no Nearmap coverage.

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Export content from MapBrowser and import into your CAD or GIS application

**Export**

From within MapBrowser you can export Vertical, Nearmap 3D and Nearmap AI into a selection of formats ready to import into your application. You'll need to have a subscription to the content you're after.

**Export Vertical Imagery**

- Export Screenshot (png) *(contains a scale bar)*
- Export High Resolution Image (jpg) *(Note that these images are mainly used for displays and can’t be integrated into GIS or CAD.)*
- Export Georeferenced Image (jgw, jpg)

**Export 3D**
Textured Mesh (OBJ, SLPK, 3MX, Cesium, FBX)
- DSM (GeoTIFF)
- True Orth (GeoTIFF)
- Point Cloud (LAS)
- DTM/DEM (GeoTIFF)*

You need a Nearmap 3D subscription.

Export AI
- Content Rollup (csv)
- Geopackage (gpkg)

You need a Nearmap AI subscription.

All the articles above discuss exporting from new MapBrowser. From Classic MapBrowser you can export Nearmap imagery as a jpeg file or a georeferenced jpeg file. Read more here: Export from MapBrowser Classic.

Other useful information

Read this article to learn more about the Meaning of the Numbers in the Saved Image Filename.

Import

Once you've exported the Nearmap content into the format you need, you can import it into your application of choice. You can read integration instructions for the following popular CAD and GIS applications:

GIS Integrations
- Cityworks
- Geocortex
- QGIS
- Other GIS Software

CAD Integrations
- Autodesk
- Bentley
- Other CAD Software

General information on using a georeferenced image: Using a Georeferenced Image.

Integrate with ArcGIS

ArcGIS

Our ArcGIS Integration enables you to connect your ArcGIS applications to our Vertical imagery. Using a standard ArcGIS Server protocol, you can access our imagery through any application that connects to ArcGIS Online, including ArcMap, WebMaps, WebApps, Collector, Survey123, ArcGIS Pro, and ArcGIS Earth.

Your standard Nearmap 2D subscription gives you access to Nearmap vertical imagery via WMS and Tile API. You need to subscribe separately to access Nearmap Vertical imagery specifically from the ArcGIS Marketplace.
Nearmap Oblique for ArcGIS

Nearmap Oblique for ArcGIS allows you to create a customisable oblique viewer which you can use to view and measure off Nearmap oblique content.

You need a Nearmap Oblique subscription.

Find out more here: Nearmap Oblique for ArcGIS.

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Looking for more customisation?

If you’re looking for an even more customisable way to consume Nearmap content in your own application, check out our range of APIs.

- document Coverage API
- document Tile API
- document Image API
- document DSM and TrueOrtho API

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- WMS and WMTS Integration (Product Documentation)
- WMS 2.0 Integration (Product Documentation)
- Getting Started with Nearmap APIs (Getting Started)
- Getting Started with WMS 2.0 (Getting Started)
- Managing API Applications (Product Documentation)
- API Key Authentication (Product Documentation)
- Image API (Product Documentation)
- Handling Imagery Requests When no Imagery is Available for a Specified Date (Product Documentation)
- Tile API (Product Documentation)
- Nearmap TMS Integration (Product Documentation)
- Coverage API (Product Documentation)
- Managing API Keys (Product Documentation)
- NEARMAP APIS (Product Documentation)
- DSM and TrueOrtho API (Product Documentation)
- Using an API Key in Nearmap Integrations (Product Documentation)