

Setup Civilian Topographic Map (CTM) for POD

The Civilian Topographic Map (CTM) product is a map specification designed to allow you to create a topographic map. The CTM data-model is based on the National System for Geospatial Intelligence Feature Data dictionary (NFDD), which is a comprehensive dictionary and coding scheme for feature types, feature attributes, and attribute values. For more information about the NFDD specification visit - <https://nsgreg.nga.mil/fdd/registers.jsp?register=NFDD>

This document describes the process for utilizing the CTM product files to setup the Fixed 25K sample for Product on Demand (POD) web application. You will need ArcGIS for Desktop for this setup.

The CTM product and all its related files are hosted in a repository on Github at <https://github.com/Esri/CTM.git>

Perform the following steps to setup the Fixed 25K product:

1. Download the zip file from the Master branch and extract the contents to a local folder.

Note: For more information on how to use Esri repositories on Github go [here](#).

2. Extract the zip file.

Once extracted, several files and folders are available to configure the Fixed 25K product. If defaults were used, then the product folder for the Fixed 25K product will be at <ArcGIS Server installation drive>\arcgisservers\MCS_POD\Products\Fixed 25K.

3. Only move the files listed below to the Fixed 25K product folder, the subfolders and additional files don't need to be moved. The files listed below are only the files required to setup the Fixed 25K sample product for POD.

Location	File Name	Description
<Extracted Location>\CTM-master\Fixed 25K \SampleData	SaltLakeCity.zip (zipped CTM.gdb)	CTM Geodatabase (in a zipped file)
<Extracted Location>\CTM-master\Fixed 25K \Cartography	CTM_Production_PDF.xml	Production PDF specification file
<Extracted Location>\CTM-master\Fixed 25K \Cartography\Grids	CTM_UTM_WGS84_grid.xml	Grid and Graticules XML
<Extracted Location>\CTM-master\Fixed 25K \Cartography\MapTemplates	CTM25KTemplate.mxd	CTM 25K Template Map Document

<Extracted Location>\CTM-master\Fixed 25K \Cartography\MapGeneration	Fixed25K_MapGenerator.pyt	Map Generator Python toolbox file
<Extracted Location>\CTM-master\Fixed 25K \Cartography\MapGeneration	Fixed25K_MapGenerator.Ma pGenerator.pyt.xml	Map Generator Python toolbox file that contains help for the Map Generation Help
<Extracted Location>\CTM-master\Fixed 25K \Cartography\MapGeneration	Fixed25K_MapGenerator.pyt. xml	Map Generator Python toolbox file that contains help for the Python Tool.
<ArcGIS Install Location>\ArcGIS\Server\GridTemplates\ProductionMapping	CoordinateSystemZones.zip (zipped CoordinateSystemZones.gdb)	File Geodatabase that data to be used to determine if the AOI crosses a UTM Zone boundary. Note this File Geodatabase is also available in the ArcGIS Desktop install in the GridTemplates\ProductionMapping folder.

4. Extract the sample data database (CTM.zip) zip to Fixed 25K\SampleData\CTM.gdb.
5. In ArcMap, open the CTM25KTemplate.mxd
6. Resource the layers in the CTM25KTemplate.mxd to the CTM.gdb sample data database extracted in the earlier step.
7. Extract the CoordinateSystemZones.zip to the MCS_POD\Products\Fixed 25K\CoordinateSystemZones.gdb

Now the Fixed 25K product is ready to be used.