



Sample data and batch files for MDCS (Mosaic Dataset Configuration Script)

10 February 2016

Table of Contents

Scope	2
Running sample scripts	2

Scope

This document addresses only the sample configuration files and data files provided for exercising MDCS. This document accompanies a download package from ArcGIS online containing the following items:

1. MDCS.py – the Mosaic Dataset Configuration Script, for ArcGIS 10.2 through 10.4.
2. Separate documentation regarding the design of MDCS itself is in the file “**MDCS.doc**”.
3. Example configuration files and image data.
4. Batch files for running MDCS using the example data.

Note that this version of MDCS hosted on ArcGIS Online may not be the most current build. For an up to date version, please refer to the GitHub repository at <https://github.com/Esri/mdcs-py>.

Running sample scripts

MDCS works using a number of input files. These files are organized in a folder structure for the benefit of the user as well as the program. Sample files are provided in this download package to assist users with understanding and using MDCS. To build or start a new project, follow the steps below.

Define the Project folder

It is assumed that MDCS was obtained from its download location as a zip file.

- 1) Create a folder in the C drive of your computer called **Image_Mgmt_Workflows**. E.g:
C:\Image_Mgmt_Workflows
- 2) Create a project folder in the aforementioned folder.
E.g.: **C:\Image_Mgmt_Workflows\demo**
- 3) Extract the contents of the zip file in this project folder. The Project folder should look like this:

```
c:\Image_Mgmt_Workflows\demo\Data\  
c:\Image_Mgmt_Workflows\demo\MD\  
c:\Image_Mgmt_Workflows\demo\MDCS\BatchFiles\  
c:\Image_Mgmt_Workflows\demo\MDCS\Documentation\  
c:\Image_Mgmt_Workflows\demo\MDCS\logs\  
c:\Image_Mgmt_Workflows\demo\MDCS\Parameter\  
c:\Image_Mgmt_Workflows\demo\MDCS\Scripts\
```

Running the Sample

The sample provided in this download is very generic, and can be used with any imagery that matches the simple ‘Raster Dataset’ *RasterType* – for example, georeferenced tiff files or jpeg files. A batch file is included to run the script using the sample data and associated configuration (XML) file.

The provided sample configuration file is \MDCS\Parameter\Config\Amberg1.xml. The workflow defined in this configuration file is as follows:

- a) Create Mosaic Dataset

- b) Add Raster
- c) Build Boundary
- d) Set Properties
- e) Compute Cell Size

- f) Build Overviews
- g) Calculate Values

The sample data provided in this download is in \Data\Amberg. This example script can be run using the batch file called Amberg1.bat in the \MDCS\BatchFiles folder. The batch file will perform the aforementioned tasks and save the output defined in the workspace path, and a log file will be written to \MDCS\Logs\.

To check the result, open ArcGIS Desktop and load the resulting mosaic dataset into the map.

If you would like to test this script using your own data, you can either copy it to this folder, or the *data_path* field in the configuration file will need to be edited to point to your own data location. Output mosaic datasets will be written to c:\Image_Mgmt_Workflows\MD (unless the *workspace_path* field is also changed in the configuration file). The other properties for the commands have already been filled out.