SCRIPT FOR CREATING A TILE PACKAGE FROM AN IMAGE SERVICE

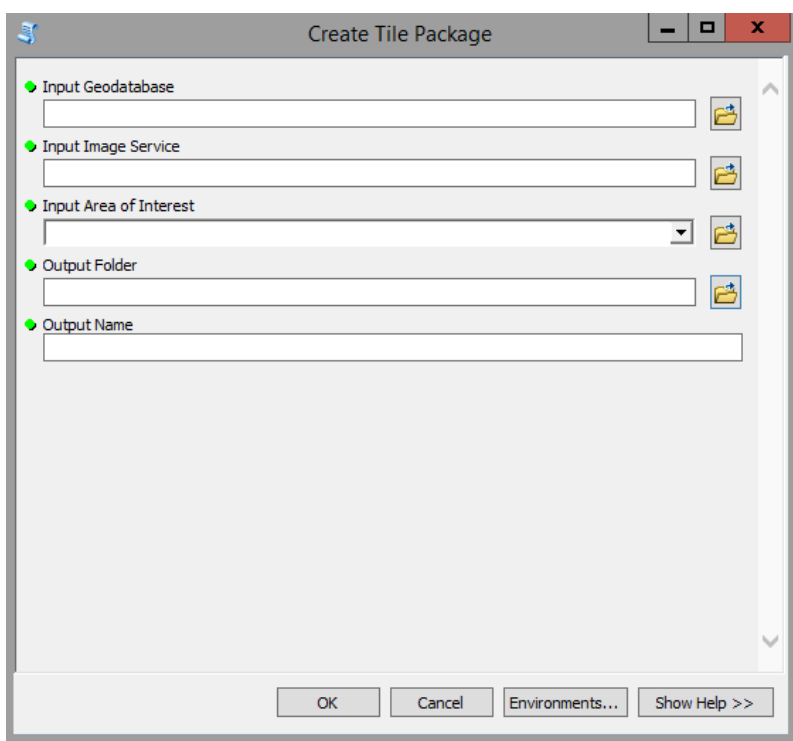Script created on 10/31/2018 by Mark Nigrelli (4FRI GIS Specialist)

DESCRIPTION

This script automates the process for creating a tile package from an image service for a specified area of interest. The resulting tile package can be used to side load onto a tablet for use with the Collector app.

NOTE: THE IMAGE SERVICE MUST HAVE A TILE CACHE BUILT.

To check if the image service has a tile cache:

1. *Load the image service directly into ArcMap*
2. *Right click on the layer in the Table of Contents*
3. *Check that the Enable Cache View Mode is not greyed out*

INPUTS

Input Geodatabase *{File Geodatabase}* – File geodatabase where the mosaic dataset will be created.

Input Image Service *{Image Service}* – Image service such as NAIP or PBS GeoTIFF

- Forest Service Image Server – https://image-services-gtac.fs.usda.gov/arcgis/services

Input Area of Interest *{Feature Layer}* – Area of interest polygon or polygons (can be a selection)

Output Folder *{Folder}* – Folder where the tile cache and tile package will be created.

Output Name *{Text}* – Name for the mosaic dataset, tile cache, and tile package.
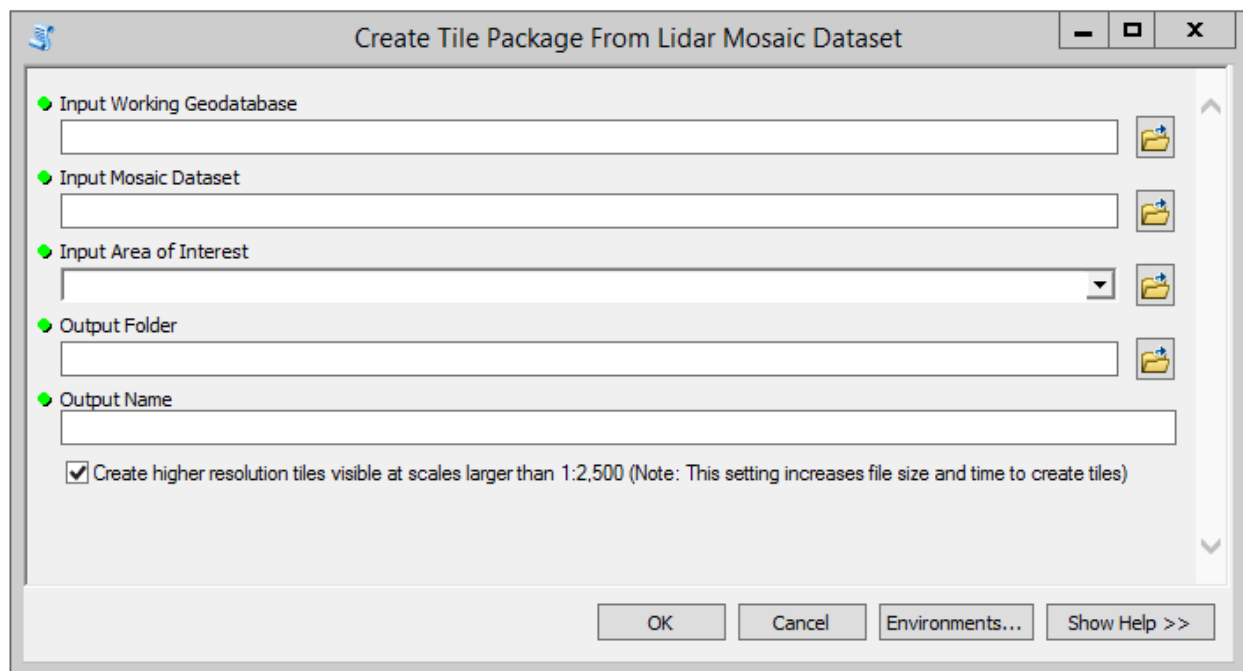
SCRIPT FOR CREATING A TILE PACKAGE FROM LIDAR MOSAIC DATASETS

Script created on 04/17/2019 by Mark Nigrelli (4FRI GIS Specialist)

DESCRIPTION

This script automates the process for creating a tile package from an existing lidar mosaic dataset for a specified area of interest. The resulting tile package can be used to side load onto a tablet for use with the Collector app.

INPUTS

Input Working Geodatabase *{File Geodatabase}* – File geodatabase where area of interest will be saved.

Input Mosaic Dataset *{Mosaic Dataset}* – Mosaic dataset of lidar raster of interest

> NOTE: WHILE MOSAIC DATASETS CAN CONTAIN MULTIPLE PROCESSING TEMPLATES, THE TILE PACKAGE IS CREATED BASED ON THE DEFAULT PROCESSING TEMPLATE.

Input Area of Interest *{Feature Layer}* – Area of interest polygon or polygons (can be a selection)

Output Folder *{Folder}* – Folder where the tile cache and tile package will be created.

Output Name *{Text}* – Name for the mosaic dataset, tile cache, and tile package.

Create higher resolution tiles *{Check box}* – Creates an extra level of detail in the tile cache. Tiles are visible when zoomed in beyond 1:2,500. (0.29m cell size)

> THIS SETTING CAN EXPONENTIALLY INCREASE THE FILE SIZE AND TIME TO CREATE TILES.