ArcGIS® Server Image Services and Image Extension

Fast, Dynamic Image Distribution and Processing

ArcGIS® Server makes it simple for you to distribute geospatial resources over the web to desktop, mobile, and browser applications through image services. **Image services** provide fast and simplified web access to imagery. Image services are a core service available with ArcGIS Server and support a large range of web standards, including WMS, WCS, KML, SOAP, and REST.

**Highlights**
- Image services allows serving
  - Raster datasets directly without requiring data conversion
  - Images as a background
  - Raster data for analysis
- Client users and applications can
  - Change image compression for low-bandwidth networks
  - Define projections
  - Control sampling methods

**ArcGIS Server Image Extension**
The **Image extension** broadens the capabilities of image services to include serving the **mosaic dataset**, which can manage and process large collections of images. The mosaic dataset stores collections of images and rasters as a catalog with fast search and discovery capabilities. The Image extension provides dynamic mosaicking and on-the-fly processing, enabling the full information content of the imagery to be exploited. Making imagery quickly accessible increases its value.

**Advantages for Users**
- Fast, single point of access to large volumes of imagery
- Ability to control order of overlapping imagery
- Image-level metadata retention
- Automatic update of image services when new imagery is available

**Advantages for Data Managers**
- Simplifies data management and maintainability
- Enables multiple imagery products to be created directly from a single source
- Removes the requirement to preprocess, premosaic, or load imagery
- Resolves the issues related to pregenerating mosaics
- Is easy to integrate into existing workflows

Your online starting point is [esri.com/imagery](http://esri.com/imagery).