ArcGIS Earth is a lightweight globe desktop application that helps you explore any part of the world and investigate and create 3D and 2D map data including KML.
Why are customers interested

Require file-based workflows with KML and other vector and raster GIS data sources and services

Want lightweight user interface and familiar experience

Need to provide consistent communication among stakeholders across the enterprise
Customer examples include

**Large Enterprises**
Exploring data securely on premises

Law enforcement, federal agencies & large companies need to explore information across large areas using 3D GIS behind a firewall

**Small Enterprises**
Sharing 3D using ArcGIS Online

City planners, urban designers, and small AEC firms want to create and share plans and status with constituents in 3D

**Hybrid scenario**
3D with large data packages in connected and disconnected workflows

Emergency managers, military, and utilities agencies need to use 3D within the organization for planning and to share with collaborators in the field to inform response and action
One of our key social studies standards in fifth grade is to gain an understanding of the major landform regions of the United States. Having access to ArcGIS Earth will allow students to experience these regions rather than simply point to them on a map.

ArcGIS Earth allows students to gain an understanding of how the location and geography of their state directly influences agriculture, the state’s economy and even recreational attractions for their state.

Mrs. Duran – Victoria Groves Elementary School
Designed for large customers, works for everyone

- Lightweight (~60Mb)
- Configurable during installation
- Secure authentication
- Multiple deployment patterns
- Low training requirement
ArcGIS Earth Deployment Patterns

On Premises
“Disconnected”

Hybrid

Esri Hosted
ArcGIS Earth Deployment Patterns | Offline

Current Workflow
Offline - “Disconnected”

- ArcGIS Earth
- Individual Files (side loaded)
- KML Services and Files
  - Traditional GIS data
    - Imagery
    - Terrain
    - 3D models
    - CSV/TXT

Future Workflow
Offline - “Disconnected”

- ArcGIS Earth
- (Single File)
  - Mobile Scene Package
- KML Services and Files
  - Traditional GIS data
    - Imagery
    - Terrain
    - 3D models
    - CSV/TXT
3D as a core GIS capability anywhere in any environment

Combine 2D and 3D in the same web GIS architecture
Reuse dynamic services across clients
Securely collect, manage, curate 3D data
Conduct analysis across real-time and historical data
Create tailored experiences for different types of users
Navigate

Zoom, Pan, and Orbit with mouse, keyboard, or touch

Navigate using the TOC

Locate Points of Interest
Choose basemap and elevation sources

**Basemaps**
- Add Imagery TPKs or services
- Add/remove basemap

**Elevation sources**
- Use services or local elevation files
- Add/remove/change order
Add KML/KMZ

Load KML/KMZ files and services

Use NetworkLinks, overlays, and other standard KML features

Timesliders with playback

Play KML tours in Earth
KML support across the platform

- Native support for KML visualization and interaction
  - ArcGIS Earth
  - ArcGIS Pro
  - ArcGIS Explorer Desktop
  - Runtime SDKs
  - JavaScript API 3.x support is partial (2D)

- Support for network links, overlays, tours, COLLADA, KML Tours

- Will be improving editing capability in the future
Add 3D Scene Layers

3D Object and Integrated Mesh scene layers

Services or local SLPK files
Add SHP and CSV/TXT

Address geocode CSV/TXT if connected to on premises Portal

Identify multiple overlapping features

Change symbols
Add Esri RESTful Services

Map service
Image service
Feature service
Scene service
KML
OGC WMS and WTMS
Add and switch portals

Easily switch between organizations in ArcGIS Enterprise or ArcGIS Online
Sketch – Draw, label and edit 2D points, paths and polygons

Set fill and outline colors
Set opacity
Add and use custom icons
Create snapshot views
Set altitude behavior
Style notes with HTML
Export as KMZ
Newly designed icons

*New in 1.5
Measure

Measure coordinate locations, path distance & heading, area

Copy measurements to clipboard

Set default measurement and coordinate display units

Save measured results as a draw features and export to kmz

*New in 1.5*
Personalization

Define proxy settings
Set user profile location
Import/export workspace
Set default measurement units
Set navigation speed
Turn on/off auto-save
Edit Workspace Directory Location
Show hyperlinks in external browser
Configure ArcGIS Earth at install

Preset configuration parameters in config.xml

Add Start Up layers including WMS

Configure help location, feedback link, acknowledgements, message banner

Silent configuration possible using command line parameters at install
Preconfigure ArcGIS Earth for your users

Additional configuration parameters include specifying:

- Portals
- Navigation
- Units
- Data layers (basemaps & terrain)
- Error logging
- Alternate icon path for legacy KML
Call external KML services with a click of the mouse


Streetview imagery shown is a demo example of Google Streetview integration and does not imply endorsement of ArcGIS Earth or Esri by Google
Share and Save maps

Send maps by email
Save map images
Print maps
ArcGIS Earth Roadmap (planned)

Essential User Experience
2016
KML, Services & Open Standards (WMS, WMTS)
Portal

Secure & Deployable
2017
Configurable Install
Authentication
Drawing, Icons and Popup Implementation

Data, Capabilities & Performance
New runtime version
Mid Term
Vector Tiles, Point Clouds, 3D Points, GeoJSON
KML Editing
Interactive Tools
Disconnected Globe (Mobile Scene Package)

Extended Workflows
Longer Term
Plug-in Framework and API
Centralized configuration in Portal
Earth Mobile

Lightweight & easy to use

Creation Date: Jun 27th 2017
Licensing

ArcGIS Earth is free for download and use

Users of ArcGIS Earth can view publicly-shared data in ArcGIS Online and Portal for ArcGIS without a Named User account
Protected data in Online and Portal requires Named User access
Some premium content in the Living Atlas requires a Named user account

Download directly from http://j.mp/ArcGISEarthDownload

Version 1.5 is English-only
More information and support

Product pages and download – http://j.mp/ArcGISEarthDownload
Help documentation and system requirements – http://j.mp/Earth1_0Doc
GeoNet forum - http://j.mp/Earth1_0Forum
Twitter - @ArcGISEarth
Thank you
dpustam@esri.com