

WiseImage Open Architecture

Présentation

Why to open?

- Modern technology demands
- A growing amount of customers demands for custom commands
- The limited development resources
- The limited QA and testing resources
- WiseImage ready-for-plug-in architecture

What you can do

Using WiseImage Automation you can:

- Create your own commands to manipulate vector objects and raster images inside WiseImage document
- Create your own custom entities to be stored and edited in WiseImage document
- Establish database connection for WiseImage resident objects

How to do.

Commands are scripts that can be written on:

- VBS - Visual Basic Script
- JS – Java Script

WiseImage automation objects groups:

- Document resident objects
- Environment objects
- Service and utility objects
- Geometry and helper objects

Document resident groups:

- Entities (vector and raster)
- Layers collection
- Blocks collection
- Images collection

Entities types

- Point
- Line
- Arc
- Circle
- Polyline
- Block insertion
- Image insertion
- Rectangle
- Text
- Multiline text
- Hatch
- Spline
- Dimension

Services

Services and utilities:

- View management
- Choosers
- Vector selection engine
- Command environment and control
- Line types and fill styles management
- Fonts

Helpers

Geometry objects:

- Points
- Rectangles
- Polygons
- Coordinates transformer

Misc objects:

- Hierarchical parameters storage

What you can do?

- Add/Remove/Modify entities
- Add/Remove/Modify layers
- Load/Process/Save/Unload raster images
- Create interactive commands
- Setup application / document parameters
- Launch any WiseScript command
- Use vector selection capabilities

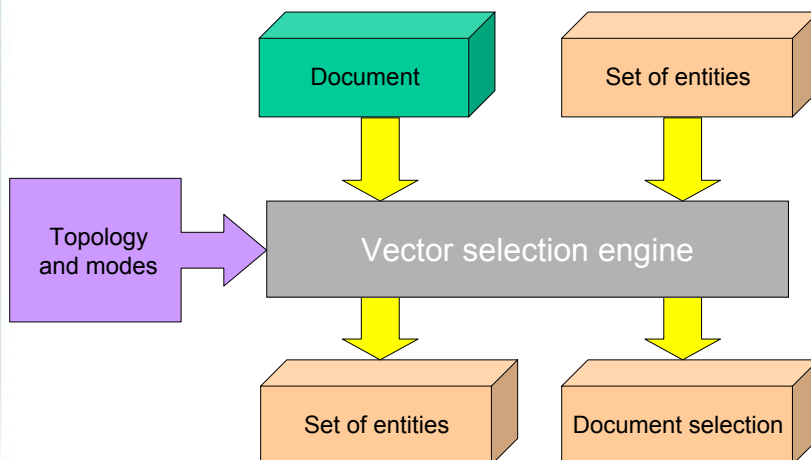
All script actions will be fully handled by application undo / redo.

Interaction with user

- Prompt - simple text input
- Choosers - input coordinate based data (the same way as in existing commands)
- Form-oriented dialog based interaction
- Any combination of above

Vector Selection Engine

Entities sets as basement of selection



What is not available now

- Inspector usage
- Access to raster images contents
- Vector correction engine control
- Hybrid objects, raster area selection
- Limited access for trace engine

How to add custom command

- Write script and save to text file
- Add custom button
- Link it to script file
- Select desired function
- Add this button to any WiseImage toolbar