

Required	Comment
A projected map component (Lat/Long maps are not handled).	
At least the Enterprise version of Manifold 8 is required to setup the linked drawing needed for the IMS drawing toolset. The drawing toolset can be disabled to avoid upgrading Manifold or all local components can be used (see comment at right).	The drawing toolset can work also with a local component if all other component are local. Linked imagery from local source is not "local" in this case. To use this setup, a "save" button have to be added. Contact us to obtain it.
A Windows OS with IIS 6 or 7 and ASP.NET 2.0 or newer	This template is not available in ASP. Only the ASPX version is available.

Features	Comment
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Security	
User authentication	Can be disabled or upgraded

User interface	
All tools and panels can be enabled / disabled for all users or on a per-user basis	
All map layers can be available or not for all users or on a per-user basis	
A "Settings" panel allow the IMS user to enable / disable a few tools and behaviour	Theses options can be displayed to the IMS user or not
A logo can be displayed or not at top of the web page	Optional
The map size can changed by the IMS user	The displayed options can be customized
Resizable and draggable panels have been added for a more user-friendly interface	Initial position can be customized

Layers and Layers panel	
In the Layers panel, the tree structure can be enabled or not (to obtain the classic display)	Boolean setting
The folders in the tree structure can be opened or closed at startup	Boolean setting
Each component type is automatically marked with the same icon as in Manifold	
Max-height of the Layers panel can be set	
Layers can be easily unchecked and turned off at startup	
Layers can be easily removed from the Layers panel and kept always on or off, or bounded to another layer display	
Labels layers can be removed from the Layers panel and the display of the labels layers can be bounded to their parent	
Large group bounding option: many layers can be removed from the Layers panel and their display can be bounded to one layer's display.	
Example: removing a large group of image tiles and bounding their display to only one image which can be called "imagery" in the Layers panel.	
The style of the layer name in the Layers panel is automatically changing according to zoom range set in the .map file	
A layer can be checked/unchecked without having to redraw right after. A pan or zoom or another action can be made to obtain a new map with or without the checked/unchekek layer	The goal is to save map redraws for slow Internet connexion

Legend panel	
The legend is automatically updated. Zoom ranges of layers are taken in account. Exported map legend is also updated to fit map content	

Find panel	
This panel is completely redesigned with auto-completed fields, value suggestion and zoom-to-result option	
A "Zoom to all features in a layer" query have been added	

Queries panel	
This panel can contain queries from the .map file as well as queries that are written in the HTML section of the web page (like in GIS Advisor template). The last one are more convenient because they can contain dropdown menu, layers and fields choice for real customized query.	Only "Select" queries are accepted by default but other type can be easily accepted by the application if wanted.
The queries from the .map file can be displayed or not, on a per-user basis, if needed.	

Advanced queries panel	
2 SQL windows are available from this panel. One for beginner and one for more advanced user.	
Auto-completed fields and value suggestion have been included to make searching easier	

Center/zoom to (x,y) panel

This panel allow the user to center and zoom the map on entered coordinates (projected ot lat/long)

zoom is optional. The located point persist on the map until erased

Settings panel

4 options can be displayed to the user, for a more user-friendly session

- 1- Enable Tooltip
- 2- Display Navigation control over map
- 3- Auto-resized result panel
- 4- Mousewheel zoom

These options can be displayed to the IMS user or not.

These tools and behaviour can be enabled or not in the IMS.

Result panel

This is one the great feature of the template. This panel is resizeable and draggable. It can be minimized and remember its last position.

Most of the results displayed in this panel can be exported to HTML or EXCEL.

The tables displayed in this panel have a fixed header row. This is really useful when a query returns hundreds results.

The number of results is displayed at the top

In most of the case of the results row contains a "Zoom to" link to zoom the map to the clicked feature.

A "Zoom back to all selected features" is also displayed

The result panel size is auto-adjusted to fit content in most case, unless this behavior is disabled.

Link to a document stored on the IMS server or another server can be displayed and clicked (ex: PDF, TIF, etc)*, **, ***

Image thumbnail of an image stored on the IMS server or another server can be displayed and clicked (JPG and PNG tested yet)*, **

A "DOC_LINK" field is required

A "PHOTO_LINK" is required. The thumbnail is automatically created

* excepted with the Drilldown mode of Info tool enabled for the moment

** relative path or absolute URL can be used

*** multi-page TIF can be view with a free plug-in installed in the client's computer

Tools

Back and Forward view

Grabber / panning tool

Zoom box

Zoom in

Zoom out

Zoom to fit

Info

All tools and panels can be enabled / disabled for all users or on a per-user basis

5 views are stored by default. Can be modified

All panels are cleared while panning

2 factor can be modified

2 factor can be modified

Can zoom to full extent or to a saved view

returns info of the first clickable layer encountered. So, if you click a labels layer, the mapserver will query the layer under it instead of returning "no record".

Info with drill down behavior

returns info from every layer at the clicked location

returns link of the first clickable layer encountered. So, if you click a labels layer, the mapserver will query the layer under it instead of returning "no record".

Hyperlink

Hyperlink with drill down behavior

Select features (freeform area) with layer selection options. Faster with Chrome

Unselect

Open / Close the Results panel

Distance measure

Area measure

Drawing toolbar

Print / Export to PDF / JPG

Navigation control (Google's style) : strafe arrows, sidebar for scale change, fast zoom-in and zoom-out button (factor 2)

Mousewheel zoom in or zoom out (factor 2)

Tooltip

returns link from every layer at the clicked location

The layer list can be hardcoded or automatically created from the Layers panel

Clears all selections on the map and clears the content of the Results panel

Automatically use the map unit and display the good unit. Faster with Chrome

Automatically use the map unit and display the good unit. Faster with Chrome

See the "Drawing toolbar" section below

See the "Print / Export" section below

Can be disabled by the owner or by the IMS user

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Can be disabled by the owner or by the IMS user. The tooltip is setup to query only one layer for faster response. Can be modified. The style can be modified too

Resize map to
X and Y coordinates display (with a switch for Lat/Long coordinates display)
Coordinates system name display
Scale display and input box
"Log off" button

The displayed options can be customized
The Lat/long conversion is done by the mapserver. This is why this is slower.

The input box allow to request a custom scale
To clear the cookie on the client's computer

Drawing toolbar

Includes 5 draw tools: line, rectangle, circle, ellipse & free polygon. Also includes the Delete tool and the Export to SHP tool
The current drawing toolbar version allow to : draw feature on the map, enter attribute in the table, delete feature.
The default setup use a per-user display of the drawing layer. Thus, a logged user can only see and edit his own features
Two drawing are used for this toolset. One of them, the main one, must be linked from a Database or from an Access file (32bits only)

Faster in Chrome
The SHP export feature works with linked or local drawings
The attributes cannot be changed once submitted. This may change in the future.
This can be modified
At least a Manifold Enterprise version is needed to link this drawing. Contact us if this setup is not what you are looking for.

The drawing toolset setup can be made in a couple of ways. Contact us if you need help.
The color and style of areas and lines of the drawing layer are maintained on a per user basis. They are maintained between sessions also.

Small XML files are written on the server for that purpose.

Print / Export

Exports to JPG or PDF, in letter or tabloid size, portrait or landscape oriented
Layout margins are displayed on the screen according to format and orientation
All options can be displayed or not to the user
All the options of the Object Model are implemented for PDF and JPEG export
Exported maps are kept on the server on a per-user basis
There is 3 ways to set title and subtitle on the exported map: user input, hardcoded in the .map file and hardcoded in server side code

Other size can be implemented

Default value for the not displayed options are hardcoded on the server side

Files are always overwritten to limit space used on the server

Map extent and scale restrictions

The application includes client-side means to limit minimum and maximum scale
The application includes server-side means to limit the extent of the map that can be browsed (East, West, North and South limits)

Speed

The type of map image generated by the mapserver is automatically switched between JPG and PNG, according to map content

The download speed is then optimized. See also the "Ajax ?" section below.

Utility

The IMS web page can be called by an URL containing a pair of XY coordinates and a scale. Example:
<http://www.dynamicmaps.net/version4?x=345000&y=450000&scale=1000000>

Scale is optional

Selections

Selection made with these tools persists on the map, until cleared by another query or by the "erase" button: Find, Queries, Advanced queries, Results in the Results panel are also persisting
Freeform Select, Info, Hyperlinks
Selection are transferred to PDF or JPG exported maps

Language

All the User Interface can be translated to another language.

Everything has been thought to make translation simple as possible

Browser

The application runs in all current major browser without issue. The code is XHTML and CSS valid according to W3C validation tools.

Internet Explorer 6 and below is no more supported

Ajax ?

This template is made with Ajax (XHTML + Javascript). This technology is used to minimize the exchange of information between the client and the server. The better point about Ajax and this template: the web page is never reloaded after the startup. Only the needed content is updated at each request. This is good on speed and bandwidth.

Nothing special is needed on the server to handle Ajax

Customization

This template can be customized: tools can be added, removed and behaviors can be changed. The style can also be modified

Do it yourself or rely on Dynamic Maps

Question ?

Contact us at sales@dynamicmaps.net



