Web Map Developments

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In HYPACK® 2014, we introduced the ability to download satellite images from web map servers. The interface is very basic, and the ability to add or edit existing web servers is very limited.

WEB MAPS 2015

For HYPACK® 2015, web maps has received a facelift. Before, in order to delete your cache of web map images, you would have to reset the boundaries for the web map image collection (the boundaries are used to determine what images have already been downloaded). Now, you can clear your cache without resetting the web map boundaries.

CUSTOM SERVERS

You will be able to add their own servers to the server window. Each server has a selection of "layers", which are simply different types of images the server hosts. A server might host a layer containing topographic images, a layer containing satellite imagery, and another layer containing weather information. Because each server will have a set of layers associated with it, the web maps applet will download the server's XML information file to determine what layers the server provides. You will then be able to choose from this list with a short description provided by the server's XML file for each layer.

PROXY SUPPORT

The 2015 release will also introduce support for downloading maps from behind a proxy. Web maps will use a feature provided by Windows® called AutoProxy to attempt to automatically detect your proxy settings and use those settings to access the Internet. You will also be able to manually edit proxy settings for use with web maps.

ERROR REPORTING

Web maps now also has more robust error reporting. If an error occurs while retrieving server information, it will be displayed in the "Layer" list with a short description when you hover your mouse over the error. If an error occurs while downloading web map images, you will be informed in the Status section of web maps, and more detailed errors can be found by clicking VIEW-MESSAGES.

WEB MAPS 2014

To enable web maps in HYPACK® 2014,

1. **Go to VIEW-WEB MAPS.** A new tab should appear on the sidebar labeled "Web Maps". You may need to click the arrows in the tab area of the sidebar to see it.
2. **Zoom out to a distance that should encompass any areas for which you might want web map images.**
3. **Click [Initialize Project Boundaries]**.
4. **Zoom into the area for which you wish to receive web maps**.
5. **Select a few web map servers and click [Request Maps].** After a few seconds, images should begin to show up.

The "Map Resolution" slider will increase the number of maps downloaded for the area, creating better image quality.