



SkylineGlobe Web Package

Version 2.2 Release Notes

Information contained in this document is subject to change without notice and does not represent a commitment on behalf of Skyline Software Systems Inc. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying without the written permission of Skyline Software Systems Inc.

Copyright © 2009 Skyline Software Systems Inc. All rights reserved.

Skyline, SkylineGlobe, the Skyline logo, TerraExplorer, TerraExplorer Pro, TerraDeveloper, TerraBuilder, TerraGate, and the TerraExplorer Pro logo are trademarks of Skyline Software Systems Inc.

All other trademarks are the property of their respective holders.

Trademark names are used editorially, to the benefit of the trademark owner, with no intent to infringe on the trademark. Protected by U. S. patents 7551172, 6111583, 6433792, 6496189, 6704017. Other patents pending.

4506 Daly Drive, Suite 100 Chantilly, VA 20151 USA

Tel: 703.378.3780 Fax: 703.378.3760

www.SkylineGlobe.com

Table of Contents

1.	Installation	2
2.	Localization.....	2
3.	Find Places tool	3
4.	Updated the menu sets	4
5.	Sun light source and Date and Time control	5
6.	Underground mode.....	5
7.	Side map control	5
8.	Shadow Analysis Tool.....	6
9.	Urban Design tab in the Draw tool	6
10.	New Terrain tab under the Draw tool.....	6
11.	New User Interface for the SGManager.....	7
12.	Improved Layers Tree editor	7
13.	Customization of Business Package.....	7
14.	Session Statistics.....	7

SkylineGlobe Web Package (WP) v2.2 includes a new and improved installation and management tools as well as new features in the 3D web application. Among other things, this version gives you a better control over the appearance of the web application, statistic information and an easy way to translate most of the pages to your native language.

Installation





















SkylineGlobe Enterprise Web Package is now wrapped as an easy to use MSI installation package. It automatically installs the SkylineGlobe WP files and setup the IIS environment. The installation also installs an Oracle or MS SQL SkylineGlobe schema and data according to the user selections. If you upgrade from an old SkylineGlobe WP the new installation process updates the existing schemas and keeps the original data.

The installation kit also installs the Gazetteer data that includes millions of places and names around the globe.

Localization

One of the main improvements in v2.2 is the ability to localize the web application to other languages. All the English text of the main 3D page and most commonly used tools (e.g. Layers, Draw, Community) are exported to external string table files.

Following is the list of all resource (string table) files in the project:

 WebClientLogin.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer)
 WebClientProfile.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer)
 UploadForm.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Share)
 ValidateFile.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Share)
 ViewData.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Share)
 AnalysingTools.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\AnalysingTools)
 QueryToolHUD.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\AnalysingTools)
 Communities.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\Communities)
 AddUser.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\Communities\AddUser)
 Chat.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\Communities\Chat)
 ContentCreator.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\ContentCreator)
 RoadBuilder.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\ContentCreator)
 Toolbox.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\ContentCreator)
 ToolboxCompact.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\ContentCreator)
 ToolsEditor.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\ContentCreator)
 AddLayer.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\Layers)
 Layers.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\Tools\Layers)
 3DWebClient.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\WebClient)
 Favorites.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\WebClient)
 Gazetteer.aspx.resx	App_LocalResources (C:\Projects\SkylineGlobe\WebClient\PresentationLayer\WebClient)

How to translate the web application:

In order to add a translation you should add a new .resx file with culture identifier in each corresponding folder.

For example: for French version you should add the Chat.aspx.fr.resx file next to the existing Chat.aspx.resx (in the same folder) by copying the original file and translating its content.

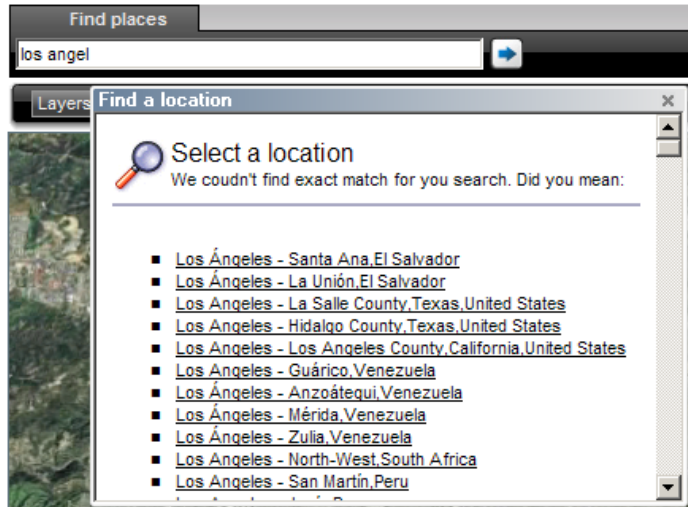
How to view pages in other languages:

User that supplies language request from his browser (in IE7: tools->Internet Option->languages) will view a page created using the appropriate string table file. This setting can also be set from the web.config file of SkylineGlobe. Change "auto" to specific culture identifier will force the web site to work with this language setting.

```
< uiCulture="auto" />
```

Find Places tool

New "Find Places" tool allows user to find locations around the globe. The Find Places tool access the SkylineGlobe Enterprise Gazetteer database that contains several millions of locations and names worldwide. The Find Places tool can also analyze coordinate strings in Latitude/Longitude, MGRS and UTM formats. In case the Find Places tool cannot find a unique match for the location string it displays a list of possible matches.



How to use the Find Places tool:

Type a location or coordinate string in the Find Places edit box. The following formats are supported:

Full or partial name of geographical or populated place, **e.g.** Everest

Full or partial name of place in specific country "place, country", **e.g.** Tokyo, Japan

Lat/Long coordinate in decimal format, **e.g.** 25.6, 39.9

Lat/Long coordinate in Degrees Minutes Seconds format, **e.g.** 34 3 14.4, -118 14 42

Coordinates in MGRS format, **e.g.** 4QFJ12345678

Coordinates in UTM format, (Zone X Y) **e.g.** 26N 345.5 280.4

The tool uses the gazetteer_places table in SkylineGlobe database schema. It is possible to replace supplied list of values with your own data.

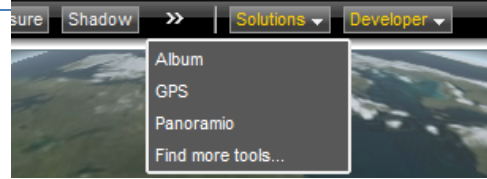
Updated the menu sets

The menu bar of SkylineGlobe is now completely customizable and does not include any hard coded menu entries. The menu entries are all based on the menu structure defined in **SGManager**. Each customize page (business package) may have its unique menu structure.

The Menu xml structure now includes the following new tags:

<Menu type='separator' id='sep4' /> - adds separator to the menu. Can be used in the main menu or in submenus.

<Menu type='menu' id='More' name='More' /> - special menu entry. Visible only if contains sub menus. In case the menu bar is not wide enough to accommodate all menu entries some entries defined before the "More" menu entry (to the left of it) will be placed under this menu. If this item has any predefined children, it will always be visible.



Special menu command <Menu type='command' parentmenuid='...' name='Find more tools...' id='Tools' />. This menu entry shows the “Find more tools” dialog. Please note that this item is identified by its id (case sensitive).

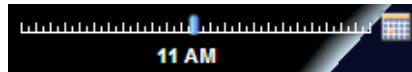
Sun light source and Date and Time control

The sun, moon and the sun’s flares objects are displayed and positioned based on the time, date and time zone provided. The sun is used as the light source for the project according to its position. The sunlight affects the lighting on the terrain and on building objects.

You can change the project’s startup and current date and time by clicking on the Date and time icon on the upper bar.



When clicking the icon, the **Date and Time** slider is displayed on the upper left corner of the 3D window.



The Date and Time control has three modes that can be set through the **Date and Time Settings** icon.

Underground mode

The underground navigation mode allows you to explore the subsurface of the terrain. You can navigate under the terrain’s surface and through buildings. A subsurface grid navigation aid appears when you navigate below the terrain, allowing you to navigate the same way as above ground.

You can turn on and off the underground mode by clicking on the Underground Mode icon on the upper bar.



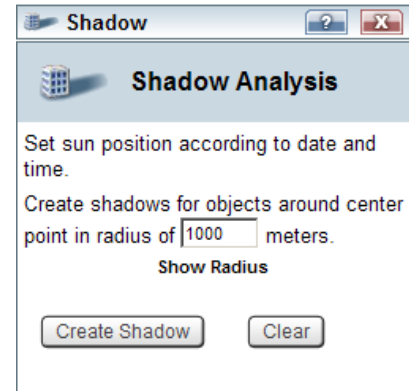
Side map control

If base fly file of the application contains navigation map a new Map button will be added to the top panel of SkyligneGlobe web page. Clicking on this button opens a Navigation Map window that displays the defined maps.

Shadow Analysis Tool

The Shadow Analysis tool calculates the shadow cast from buildings and 3D objects in a given radius based on the sun's position. The sun is positioned according to the time, date and time zone you set using the Date and Time controls.

The shadows dynamically updates when the system date and time is changed.



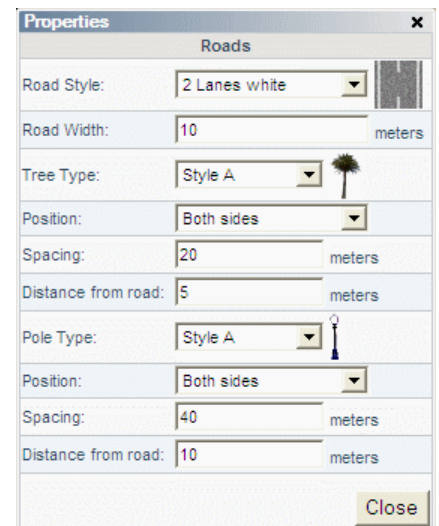
Urban Design tab in the Draw tool

The new set of tools in the Urban Design tab is designed to build roads, junctions and traffic lights in an urban setting.

Using the Urban Design Tool:

To create an urban design:

1. Select the Urban Design tab in the Draw toolbox.
2. Select the Build Road icon to build roads in the terrain. Select the Junctions icon to add junctions in the terrain. Select Traffic lights to add a traffic light on the terrain.
3. Go to the 3D window and use the mouse to create the drawing.
4. Set the object's parameters in its Property sheet.



New Terrain tab under the Draw tool

The new Terrain tab under the Draw tool's toolbox includes three objects:

Modify terrain – The Modify Terrain tool changes the elevation values of the terrain based on a polygon. The surface of the terrain is raised or lowered according to the elevation values of the polygon's points. Different elevation behaviors allow replacing, cropping above or cropping below the original values of the terrain. The interior of the polygon can be flat or irregular in shape.

Hole on terrain – Hole on Terrain cuts holes in the terrain based on a polygon that exposes the other side of the terrain through the opening.

Video on terrain – The Video On Terrain feature plays a video file onto any selected area of the terrain. You can also use a telemetry file to move the projected video based on recorded readings. This tool was previously placed under the 2D tab

Note: this tab is available only to SkylineGlobe Pro users.

New User Interface for the SGManager

This version features a completely redesigned SGManager application. It is now easier to use and contains explanatory tooltips for each field.

Improved Layers Tree editor

The new layers editing page in **SGManager** allows you to easily create different layer trees, link trees one to another and set different properties for each layer. There are three types of tree nodes:

Folder - contains a list of layer nodes and other sub folders or tree references

Layer – points to a URL of a fly file.

Tree Reference - points to another pre-defined layers tree. Updating the referred tree automatically updates all trees that link to it.

The screenshot shows the 'Layers Manager' interface. At the top, there's a title bar 'Layers Manager' and a 'User:' field. Below it, a message states: 'This page allows you to edit layers tree displayed in Layers tab of Skylineglobe. Click on node to edit properties. Right click on node to rename/delete/add layer/add folder.' There are buttons for 'Delete', 'Rename', 'New', 'Save', and 'Save As...'. A dropdown menu shows 'Main Tree' as the selected tree. On the left, a tree view shows 'SkylineGlobe Layers' with sub-items like 'US States', 'Cities', 'Buildings', 'US Roads', 'Borders', 'World Countries', 'US Counties', 'Time Zone', 'Populated Places', 'World Capitals', 'Islands', 'Urban Sprawls (US)', 'Nature', and 'Recreation Areas (US)'. The 'US States' node is selected. On the right, the 'US States properties' form is displayed with the following fields: Name: US States; Icon: http://www.skylineglobe.com/SkylineOnline/Layers/icons/states.gif; Type: Checkbox; Fly Uri: http://www.skylineglobe.com/SkylineOnline/Layers/US_State_240806.FLY; Load on start: checked.

Customization of Business Package

This new version supports a higher level of customization for the Business Package 3D page.

The following new parameters are now can be defined per package:

Assign layer tree.

Customize the **Support** and **Contact us** links in the 3D page

Customize the **Base Fly**. The fly defines the terrain database and may also define a navigation map.

Define whether to display the **Stop** button.

Define whether to display the **Result Panel**.

Note: SkylineGlobe opens a Default business account that used when no "referrer" parameter is added to the 3D page URL. You may customize your default 3D page using this business account.

Session Statistics

Sessions monitoring page is now available under the **SGManager** application. This page allows you to view all sessions, divided by business packages, between two dates. You can expand the statistics

information for each business package and view a detailed report or graphical chart. You can also export these results to PDF/Excel documents.

