MAP

**Map** is a tool that allows to visualize geographic data. **Map** allows to output into a **Book** document or can be be saved in file for use in other applications.

Creating new **Map** starts with cmdlet New-Map, ends with cmdlet *Write-Map* or *Save-Map*. Multiple other cmdlets (help on **Map** cmdlets is provided at end of this **Book**) allow to customize maps, add multiple layers, titles etc. Examples below demonstrate basic operations with **Map**.

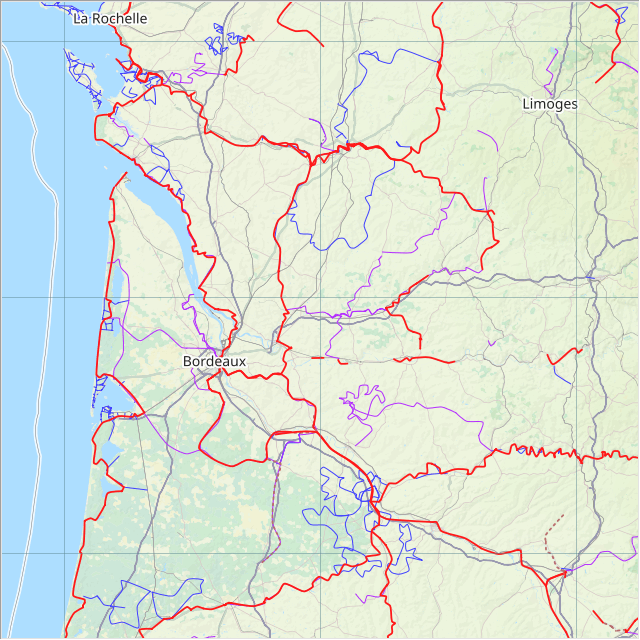
**Map** allows to build map using *Bing* and *OpenStreet* providers, as well as loading .shp, and .kml files and adding *Vector items* such as *Pushpin*, *Dot*, *Line*, *Rectangle*, *Ellipse* etc.

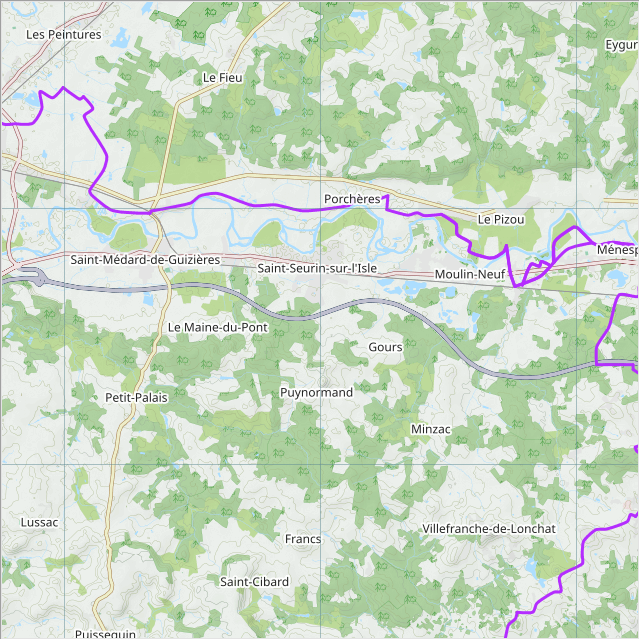
Current script is accompanied with script file ReadMe.ps1 with source code.

BASIC MAP

First map shows basic **Map** - *World Map* obtained from *Bing* and *OpenStreet* providers with different zoom levels.



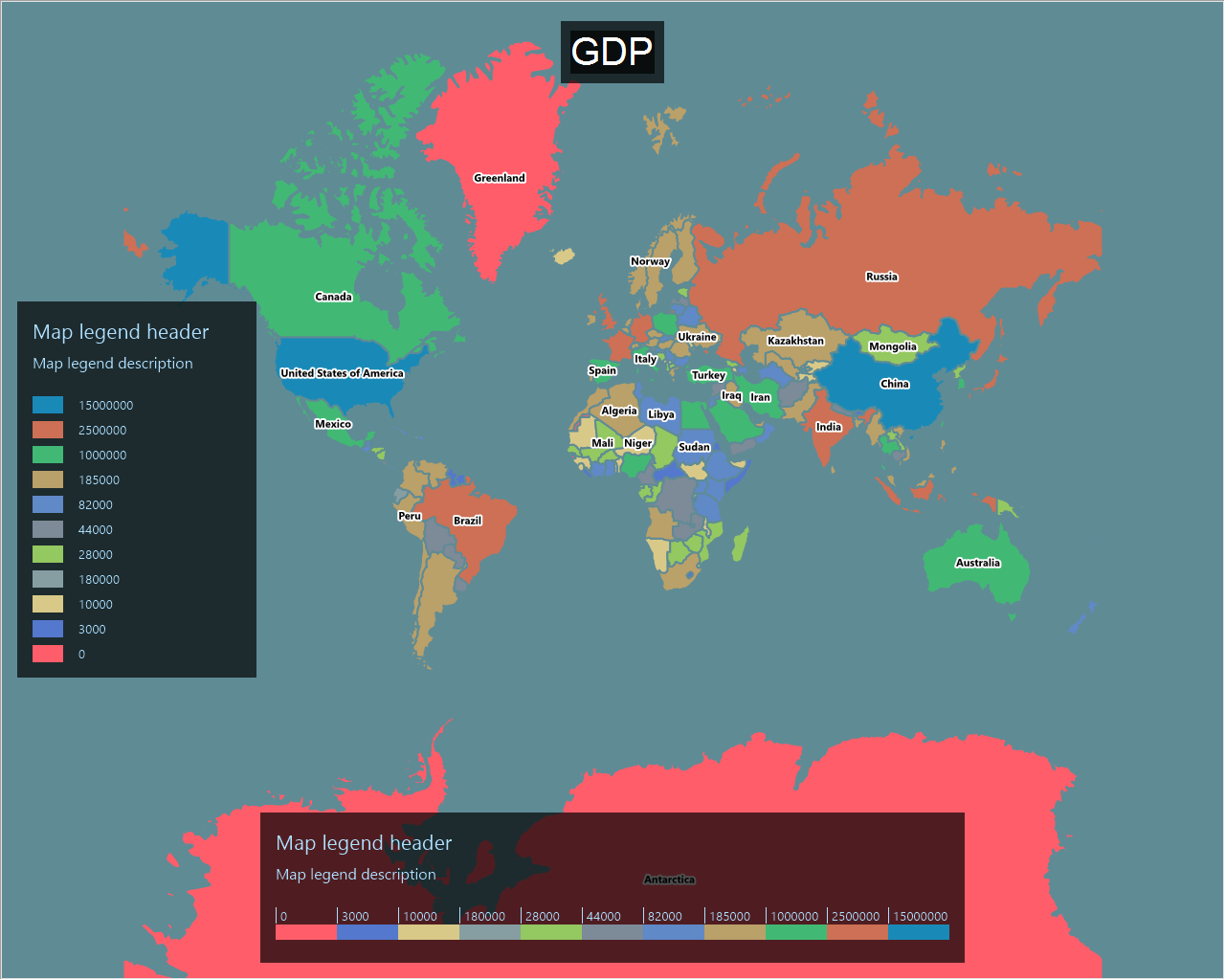




DRAW SHP FILE

Next sample shows how to draw *.shp* file and add **Map**'s elements - *Colorizer*, *Legend*, *Overlay*.

Sample *.shp* file is from [Natural Eartch Project](https://github.com/nvkelso/natural-earth-vector)



CUSTOM VECTOR ELEMENTS

Next sample shows how to place custom objects to **Map**. First **Map** show how to add objects from *List* (different data sources such as *DataTable* can be used); second **Map** adds items individually and connects them with lines, it also shows how to use **Map**'s *Context* (variable *$map*).





SEARCH

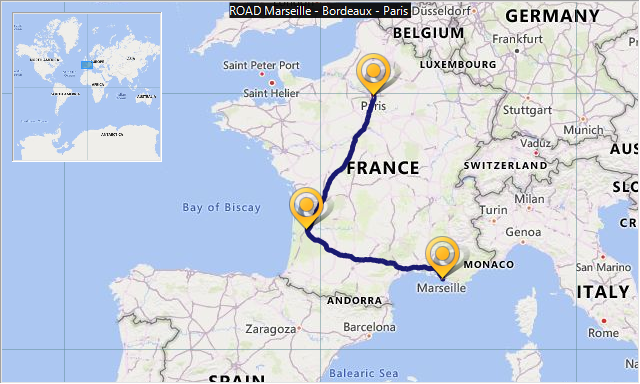
Next sample shows how to search geo locations in *Bing* and *OpenStreet* providers.





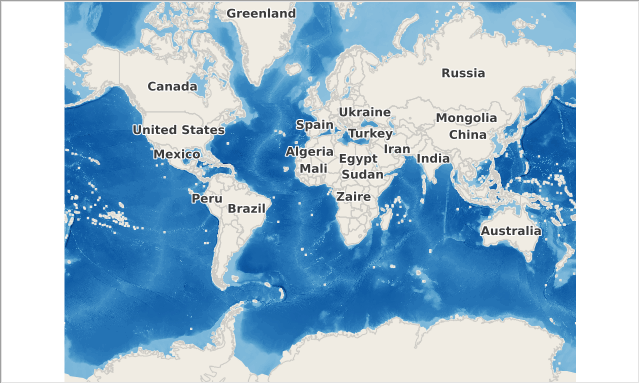
ROAD AND MINIMAP

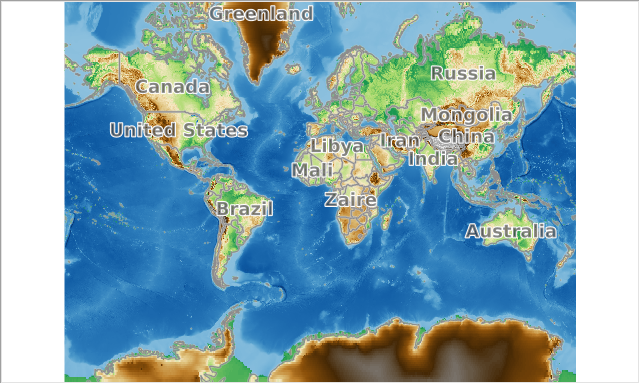
Next sample shows how to draw a *Road* on **Map** and how to add *MiniMap*.

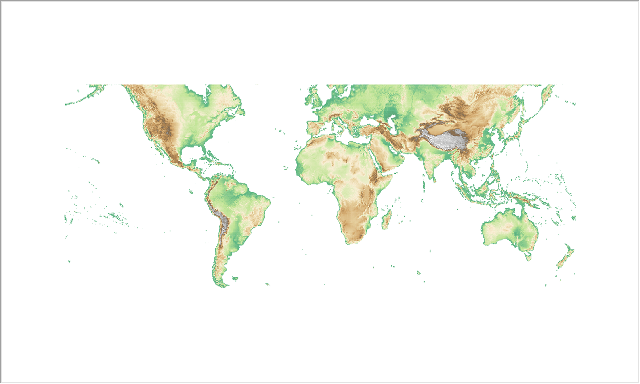


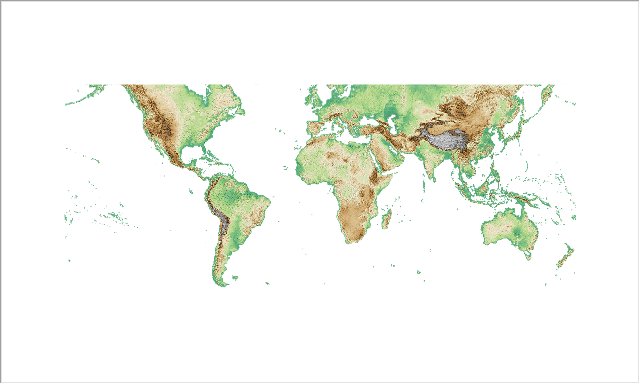
WEB MAP SERVICES

**Map** allows to use [WMS - Web Map Services](https://en.wikipedia.org/wiki/Web_Map_Service).



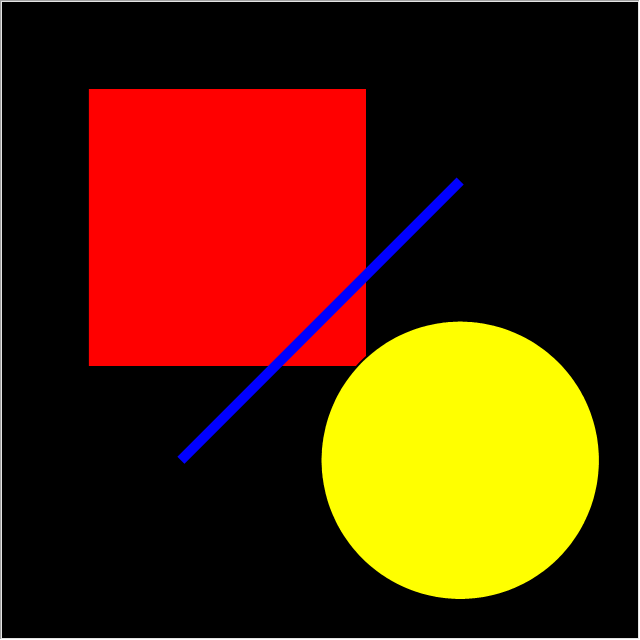






CARTESIAN COORDINATES

**Map** allows to build block diagrams by adding items to the map in Cartesian coordinates.



Map cmdlets

Cmdlet *Add-MapChoroplethColorizer*

**NAME**  
    Add-MapChoroplethColorizer  
      
**SYNTAX**  
    Add-MapChoroplethColorizer [-ValueField] <string> [-RangeStops] <double[]> [-Colors] <string[]> -MapContext <MapContext> [-ApproximateColors] [-RangeDistribution {Linear | Logarithmic | Exponential}] [-RangeDistributionFactor <double>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-ApproximateColors**  
        Whether to apply an approximation algorithm to colors in a colorizer.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Colors <string[]>**  
        Colors for this colorizer.  
          
        Required?                    true  
        Position?                    2  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-RangeDistribution <ColorizerRangeDistribution>**  
        Distribution type of range colors in a colorizer.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      Distribution, d  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-RangeDistributionFactor <double>**  
        Factor specifying the percentages of the starting color and the ending color in the colorizer.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      Factor, f  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-RangeStops <double[]>**  
        Range stops for Choropleth colorizer.  
          
        Required?                    true  
        Position?                    1  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ValueField <string>**  
        Field in datasource (collection, shapefile, KML etc.) to color map according to data.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapClusterer*

**NAME**  
    Add-MapClusterer  
      
**SYNTAX**  
    Add-MapClusterer -MapContext <MapContext> [-Type {Distance | Marker}] [-DisplayNonClusteredItems] [-ItemMaxSize <int>] [-ItemMinSize <int>] [-Size <int>] [-GroupField <string>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DisplayNonClusteredItems**  
        Whether or not the map items that can't be clustered should be displayed.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-GroupField <string>**  
        Group field used to separate an initial list of items into groups.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ItemMaxSize <int>**  
        Maximum size of a map item that is the cluster representative.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ItemMinSize <int>**  
        Minimum size of a map item that is the cluster representative.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Size <int>**  
        Maximum distance between MapItem objects inside one cluster.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Type <ClustererType>**  
        Type of the clusterer.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapGraphColorizer*

**NAME**  
    Add-MapGraphColorizer  
      
**SYNTAX**  
    Add-MapGraphColorizer [-Colors] <string[]> -MapContext <MapContext> [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Colors <string[]>**  
        Colors for this colorizer.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapItem*

Help for cmdlet *Add-MapItem* with parameter sets for different items (Line, Rectangle, Ellipse etc) is provided in later section of this **Book**

**NAME**  
    Add-MapItem  
      
**SYNTAX**  
    Add-MapItem [-ItemType] {Dot | Ellipse | Line | Polygon | Polyline | Rectangle | Pushpin | Custom | Callout | Bubble} -MapContext <MapContext> [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapKeyColorizer*

**NAME**  
    Add-MapKeyColorizer  
      
**SYNTAX**  
    Add-MapKeyColorizer [-KeyField] <string> [-Keys] <hashtable> [-Colors] <string[]> -MapContext <MapContext> [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Colors <string[]>**  
        Colors for this colorizer.  
          
        Required?                    true  
        Position?                    2  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-KeyField <string>**  
        Field in datasource (collection, shapefile, KML etc.) to color map according to data.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Keys <hashtable>**  
        Keys for this colorizer in form Name=Value pairs.  
          
        Required?                    true  
        Position?                    1  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLayerImage*

Help for cmdlet *Add-MapLayerImage* with parameter sets for different laters (Bing, OpenStreet, Heat, Wms) is provided in later section of this **Book**

**NAME**  
    Add-MapLayerImage  
      
**SYNTAX**  
    Add-MapLayerImage [-LayerType] {Bing | OpenStreet | WMS | Heatmap} [[-Kind] {Road | Area | Hybrid | RoadLight | RoadGray | RoadDark}] -MapContext <MapContext> [-Name <string>] [-MiniMap] [-Transparency <byte>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [-CultureName <string>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CultureName <string>**  
        Culture name used to obtain data from Bing GIS services.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Kind <BingMapKind>**  
        Type of images to be displayed on a map.  
          
        Required?                    false  
        Position?                    1  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-LayerType <ImageLayerType>**  
        Image layer type - Bing, OpenStreet  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MiniMap**  
        When set - layer is added to mini map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Name <string>**  
        Layer's name.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Transparency <byte>**  
        Layer's transparency.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLayerRoute*

Help for cmdlet *Add-MapLayerRoute* with parameter sets for different providers (currently only Bing) is provided in later section of this **Book**

**NAME**  
    Add-MapLayerRoute  
      
**SYNTAX**  
    Add-MapLayerRoute [-ProviderType] {Bing} [-WayPoints] <BingRouteWayPoint[]> -MapContext <MapContext> [-ResultCount <int>] [-Name <string>] [-ItemImageIndex <int>] [-FillColor <string>] [-Font <string>] [-StrokeColor <string>] [-StrokeWidth <int>] [-TextGlowColor <string>] [-ShapeTitlesPattern <string>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [-AvoidRoads {None | Highways | Tolls | MinimizeHighways | MinimizeTolls | Ferry | BorderCrossing}] [-DistanceUnit {Kilometer | Mile}] [-Mode {Driving | Walking}] [-RouteOptimization {MinimizeTime | MinimizeDistance | MinimizeTimeWithTraffic | MinimizeTimeAvoidClosure}] [-Culture <string>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-AvoidRoads <BingAvoidRoads>**  
        Option that allows limitation of the use of the toll or highway roads.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Culture <string>**  
        Local culture.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-DistanceUnit <DistanceMeasureUnit>**  
        Value that defines how to measure distances.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-FillColor <string>**  
        Color used to fill a map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Font <string>**  
        Map item's font.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ItemImageIndex <int>**  
        Index of the image assigned to the map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Mode <BingTravelMode>**  
        Value that defines how a route should be calculated.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-Name <string>**  
        Layer's name.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ProviderType <RouteProviderType>**  
        Route provider type - Bing, OpenStreet.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ResultCount <int>**  
        Number of results that can be obtained by a Route request.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-RouteOptimization <BingRouteOptimization>**  
        Value that defines how to optimize the route calculation.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-ShapeTitlesPattern <string>**  
        Pattern used to generate shape titles.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeColor <string>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeWidth <int>**  
        Width of the stroke on the current map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-TextGlowColor <string>**  
        Map item's text glow color.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-WayPoints <BingRouteWayPoint[]>**  
        Array of way points. One way point calculates road from major roads, multiple way points - calculates road between points.  
          
        Required?                    true  
        Position?                    1  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLayerSearch*

Help for cmdlet *Add-MapLayerSearch* with parameter sets for different providers (Bing, OpenStreet) is provided in later section of this **Book**

**NAME**  
    Add-MapLayerSearch  
      
**SYNTAX**  
    Add-MapLayerSearch [-ProviderType] {Bing | OpenStreet} [-Search] <string> -MapContext <MapContext> [-ResultCount <int>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [-Culture <string>] [-AnchorPoint <double[]>] [-BoundingBox <double[]>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-AnchorPoint <double[]>**  
        Geographical point, around which it is necessary to search.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-BoundingBox <double[]>**  
        Region to search for.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Culture <string>**  
        Local culture.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     true  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ProviderType <SearchProviderType>**  
        Search provider type - Bing, OpenStreet.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ResultCount <int>**  
        Number of results that can be obtained by a search request.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Search <string>**  
        Information to search on a map. This string can contain either geographical names or any other information to look for.  
          
        Required?                    true  
        Position?                    1  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLayerSql*

**NAME**  
    Add-MapLayerSql  
      
**SYNTAX**  
    Add-MapLayerSql [-ConnectionName] <string> [-Query] <string> -MapContext <MapContext> [-Name <string>] [-SpatialColumn <string>] [-ShapeTitlesPattern <string>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ConnectionName <string>**  
        Name of MS SQL Server connection containing geo data.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      Connection, conn  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Name <string>**  
        Layer's name.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Query <string>**  
        Query that returns geo data.  
          
        Required?                    true  
        Position?                    1  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ShapeTitlesPattern <string>**  
        Pattern used to generate shape titles  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-SpatialColumn <string>**  
        Column name containing geo data.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLayerVectorData*

**NAME**  
    Add-MapLayerVectorData  
      
**SYNTAX**  
    Add-MapLayerVectorData [-DataSource] <Object> -MapContext <MapContext> [-Name <string>] [-MiniMap] [-DefaultMapItemType {Dot | Ellipse | Line | Polygon | Polyline | Rectangle | Pushpin | Custom | Callout | Bubble}] [-ItemImageIndex <int>] [-FillColor <string>] [-Font <string>] [-StrokeColor <string>] [-StrokeWidth <int>] [-TextGlowColor <string>] [-ShapeTitlesPattern <string>] [-LatitudeField <string>] [-LongitudeField <string>] [-ImageIndexField <string>] [-TextField <string>] [-MapItemTypeField <string>] [-XCoordinateField <string>] [-YCoordinateField <string>] [-BubbleField <string>] [-PieField <string>] [-ValueField <string>] [-DefaultItemColor <string>] [-ItemColorField <string>] [-DefaultStrokeColor <string>] [-StrokeColorField <string>] [-DefaultDotShapeKind {Rectangle | Circle}] [-DotShapeKindField <string>] [-DefaultDotSize <double>] [-DotSizeField <string>] [-DefaultEllipseHeight <double>] [-EllipseHeightField <string>] [-DefaultEllipseWidth <double>] [-EllipseWidthField <string>] [-DefaultRectangleHeight <double>] [-RectangleHeightField <string>] [-DefaultRectangleWidth <double>] [-RectangleWidthField <string>] [-Attributes <string[]>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Attributes <string[]>**  
        Collection of attribute mappings  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-BubbleField <string>**  
        Data field to which Bubble group is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DataSource <Object>**  
        Data source containing map's vector items.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultDotShapeKind <MapDotShapeKind>**  
        Default dot shape kind.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultDotSize <double>**  
        Default dot size.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultEllipseHeight <double>**  
        Default ellipse height.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultEllipseWidth <double>**  
        Default ellipse width.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultItemColor <string>**  
        Default item color.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultMapItemType <MapItemType>**  
        Default map item type.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultRectangleHeight <double>**  
        Default rectangle height.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultRectangleWidth <double>**  
        Default rectangle width.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DefaultStrokeColor <string>**  
        Default stroke color.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DotShapeKindField <string>**  
        Dot shape kind's field. Data source shall return an integer: 0 - for rectangle, 1 - for circle.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DotSizeField <string>**  
        Dot size's field.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-EllipseHeightField <string>**  
        Ellipse height's field.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-EllipseWidthField <string>**  
        Ellipse width's field.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-FillColor <string>**  
        Color used to fill a map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Font <string>**  
        Map item's font.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ImageIndexField <string>**  
        Data field to which ImageIndex is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ItemColorField <string>**  
        Item color's field.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ItemImageIndex <int>**  
        Index of the image assigned to the map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-LatitudeField <string>**  
        Data field to which Latitude is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-LongitudeField <string>**  
        Data field to which Longitude is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapItemTypeField <string>**  
        Data field to which MapItemType is bound. Data source shall return integer: 1 - dot, 2 - ellipse, 3 - line, 4 - path, 5 - polygon, 6 - polyline, 7 - rectangle, 8 - pushpin, 10 - callout.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MiniMap**  
        When set - layer is added to mini map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Name <string>**  
        Layer's name.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-PieField <string>**  
        Data field to which pie segment is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-RectangleHeightField <string>**  
        Rectangle height's field.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-RectangleWidthField <string>**  
        Rectangle width's field.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ShapeTitlesPattern <string>**  
        Pattern used to generate shape titles.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeColor <string>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeColorField <string>**  
        Stroke color's field.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeWidth <int>**  
        Width of the stroke on the current map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-TextField <string>**  
        Data field to which Text is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-TextGlowColor <string>**  
        Map item's text glow color.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ValueField <string>**  
        Data field to which pie value is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-XCoordinateField <string>**  
        Data field to which X coordinate is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-YCoordinateField <string>**  
        Data field to which Y coordinate is bound.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLayerVectorFile*

**NAME**  
    Add-MapLayerVectorFile  
      
**SYNTAX**  
    Add-MapLayerVectorFile [-VectorFile] <string> -MapContext <MapContext> [-Name <string>] [-FileType {Auto | KML | SHP | SVG}] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-FileType <AddMapLayerVectorFileCmdlet+VectorFileType>**  
        Type of vector file - Auto, KML, SHP or SVG.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Name <string>**  
        Layer's name.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-VectorFile <string>**  
        Filename of KML, SHP of SVG file.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      File  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLayerVectorItems*

**NAME**  
    Add-MapLayerVectorItems  
      
**SYNTAX**  
    Add-MapLayerVectorItems -MapContext <MapContext> [-Name <string>] [-ItemImageIndex <int>] [-FillColor <string>] [-Font <string>] [-StrokeColor <string>] [-StrokeWidth <int>] [-TextGlowColor <string>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-FillColor <string>**  
        Color used to fill a map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Font <string>**  
        Map item's font.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ItemImageIndex <int>**  
        Index of the image assigned to the map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Name <string>**  
        Layer's name.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeColor <string>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeWidth <int>**  
        Width of the stroke on the current map item.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-TextGlowColor <string>**  
        Map item's text glow color.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLayerWkt*

**NAME**  
    Add-MapLayerWkt  
      
**SYNTAX**  
    Add-MapLayerWkt [-WKT] <string[]> -MapContext <MapContext> [-Name <string>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Name <string>**  
        Layer's name.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-WKT <string[]>**  
        WKT (well-known text) items.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapLegend*

**NAME**  
    Add-MapLegend  
      
**SYNTAX**  
    Add-MapLegend [-LegendType] {ColorScale | ColorList | SizeInline | SizeNested} -MapContext <MapContext> [-Alignment {TopLeft | TopCenter | TopRight | MiddleLeft | MiddleRight | BottomLeft | BottomCenter | BottomRight}] [-BackColor <string>] [-BackStrokeColor <string>] [-StrokeWidth <int>] [-Description <string>] [-DescriptionFont <string>] [-Header <string>] [-HeaderFont <string>] [-ItemFont <string>] [-RangeStopsFormat <string>] [-SortOrder {Ascending | Descending}] [-HideTickMarks] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Alignment <LegendAlignment>**  
        How a map legend is aligned.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-BackColor <string>**  
        Color that is used to fill the legend's background  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-BackStrokeColor <string>**  
        Stroke color of the bordered legend.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Description <string>**  
        Description of the map legend.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-DescriptionFont <string>**  
        Font used to display map legend's description.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Header <string>**  
        Header of the map legend.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HeaderFont <string>**  
        Font used to display map legend's header.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HideTickMarks**  
        Whether or not it is necessary to hide tick marks for the size legend.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ItemFont <string>**  
        Font used to display map legend's items.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-LegendType <MapLegendType>**  
        Type of map legend.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-RangeStopsFormat <string>**  
        Display format of range stops on a color legend.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-SortOrder <LegendItemsSortOrder>**  
        Sort order of the color list legend items.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeWidth <int>**  
        Legend's stroke width.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapMiniMap*

**NAME**  
    Add-MapMiniMap  
      
**SYNTAX**  
    Add-MapMiniMap -MapContext <MapContext> [-Alignment {TopLeft | TopRight | BottomLeft | BottomRight}] [-CenterPoint <double[]>] [-ZoomLevel <double>] [-Width <int>] [-Height <int>] [-BackColor <string>] [-StrokeColor <string>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Alignment <MiniMapAlignment>**  
        Alignment of a mini map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-BackColor <string>**  
        Color that is used to fill the background of a mini map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CenterPoint <double[]>**  
        Center point of a mini map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Height <int>**  
        Height of a mini map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-StrokeColor <string>**  
        Stroke color of the border of a mini map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Width <int>**  
        Width of a mini map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ZoomLevel <double>**  
        Zoom level of a map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapOverlay*

**NAME**  
    Add-MapOverlay  
      
**SYNTAX**  
    Add-MapOverlay -MapContext <MapContext> [-Alignment {TopLeft | TopCenter | TopRight | MiddleLeft | MiddleCenter | MiddleRight | BottomLeft | BottomCenter | BottomRight}] [-BackColor <string>] [-Position <int[]>] [-Margin <int[]>] [-Padding <int[]>] [-Size <int[]>] [-ImageAlignment {TopLeft | TopCenter | TopRight | MiddleLeft | MiddleCenter | MiddleRight | BottomLeft | BottomCenter | BottomRight}] [-TextAlignment {TopLeft | TopCenter | TopRight | MiddleLeft | MiddleCenter | MiddleRight | BottomLeft | BottomCenter | BottomRight}] [-ImageMargin <int[]>] [-ImagePadding <int[]>] [-TextMargin <int[]>] [-TextPadding <int[]>] [-Image <Image>] [-ImageFile <string>] [-ImageIndex <int>] [-Text <string>] [-Font <string>] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Alignment <ContentAlignment>**  
        Alignment of the map overlay.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-BackColor <string>**  
        Background color.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Font <string>**  
        Font of text that overlay displays.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Image <Image>**  
        Image that the overlay displays.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ImageAlignment <ContentAlignment>**  
        Image alignment.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ImageFile <string>**  
        Filename of the image that overlay displays.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ImageIndex <int>**  
        Index of an image in map's image list.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ImageMargin <int[]>**  
        Margin of the image.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ImagePadding <int[]>**  
        Padding of the image.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Margin <int[]>**  
        Margin of the map overlay.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Padding <int[]>**  
        Padding of the map overlay.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Position <int[]>**  
        Position of the map overlay - integer array with 2 elements (X and Y coordinates).  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Size <int[]>**  
        Size of the map overlay - integer array with 2 elements.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Text <string>**  
        Text that overlay displays.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-TextAlignment <ContentAlignment>**  
        Text alignment.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-TextMargin <int[]>**  
        Margin of the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-TextPadding <int[]>**  
        Padding of the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *New-Map*

**NAME**  
    New-Map  
      
**SYNTAX**  
    New-Map [-CoordinateSystem {Geo | Cartesian}] [-Projection {Default | BraunStereographic | EllipticalMercator | EqualArea | Equidistant | Equirectangular | Kavrayskiy | LambertCylindricalEqualArea | Miller | Sinusoidal | SphericalMercator}] [-ImageList <string[]>] [-ImageSize <Size>] [-BackColor <string>] [-LockFiles] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-BackColor <string>**  
        Background color of the map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CoordinateSystem <MapCoordinateSystem>**  
        Coordinate system of a map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ImageList <string[]>**  
        List of images to use in map item. All images shall have same size.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ImageSize <Size>**  
        Size of images in ImageList.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-LockFiles**  
        Whether to lock file operations or not. Set it if multiple threads can access same file simultaneously.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Projection <MapProjection>**  
        Projection used by the map data provider.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    None  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Save-Map*

**NAME**  
    Save-Map  
      
**SYNTAX**  
    Save-Map [-FileName] <string> -MapContext <MapContext> [-Replace] [-CenterPoint <double[]>] [-ZoomLevel <double>] [-Width <int>] [-Height <int>] [-Scale <float>] [-PassThru] [-Format {Png | Tiff | Bmp | Gif | Jpeg}] [-Preview] [-LockFiles] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CenterPoint <double[]>**  
        Center point of a map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      cp  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-FileName <string>**  
        Filename to save image to.  
          
        Required?                    true  
        Position?                    0  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      fn  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Format <SCCmdlet+ImageFileFormat>**  
        Specifies the format of the image  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      f  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Height <int>**  
        Height of the image in document units (1/300 of inch). Default value is 1200.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      h  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-LockFiles**  
        Whether to lock file operations or not. Set it if multiple threads can access same file simultaneously.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-PassThru**  
        Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Preview**  
        If set - sends file to FileViewer  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Replace**  
        If set and file already exists - it will be overwritten  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      r  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Scale <float>**  
        Scaling factor of the image.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      s  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Width <int>**  
        Width of the image in document units (1/300 of inch). Default value is 2000.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      w  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ZoomLevel <double>**  
        Zoom level of a map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      zoom, z  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Write-Map*

**NAME**  
    Write-Map  
      
**SYNTAX**  
    Write-Map -MapContext <MapContext> [-CenterPoint <double[]>] [-ZoomLevel <double>] [-Width <int>] [-Height <int>] [-Scale <float>] [-ParagraphStyle <string>] [-Alignment {Left | Right | Center | Justify | JustifyMedium | JustifyHigh | JustifyLow | Distribute | ThaiDistribute}] [-FirstLineIdent <float>] [-FirstLineIndentType {None | Indented | Hanging}] [-LeftIndent <float>] [-RightIndent <float>] [-PassThru] [-Comment <string>] [-CommentHtml] [-Bookmark <string>] [-Hyperlink <string>] [-HyperlinkTooltip <string>] [-HyperlinkTarget <string>] [-Book <SCBookContext>] [<CommonParameters>]  
      
      
**PARAMETERS**  
**-Alignment <ParagraphAlignment>**  
        Paragraph's text alignment  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Bookmark <string>**  
        Bookmark in the document  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CenterPoint <double[]>**  
        Center point of a map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Comment <string>**  
        Comment for the text.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-CommentHtml**  
        If set - Comment is treated as HTML  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-FirstLineIdent <float>**  
        Indent of the first line of a paragraph  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-FirstLineIndentType <ParagraphFirstLineIndent>**  
        Whether and how a paragraph's first line is indented  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Height <int>**  
        Height of the image in document units (1/300 of inch). Default value is 1200.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Hyperlink <string>**  
        Hyperlink to existing bookmark  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTarget <string>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-HyperlinkTooltip <string>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-LeftIndent <float>**  
        Paragraph's left indent  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    true  
        Position?                    Named  
        Accept pipeline input?       true (ByValue)  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ParagraphStyle <string>**  
        Paragraph style  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-PassThru**  
        Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-RightIndent <float>**  
        Paragraph's right indent  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Scale <float>**  
        Scaling factor of the image.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-Width <int>**  
        Width of the image in document units (1/300 of inch). Default value is 2000.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**-ZoomLevel <double>**  
        Zoom level of a map.  
          
        Required?                    false  
        Position?                    Named  
        Accept pipeline input?       false  
        Parameter set name           (All)  
        Aliases                      None  
        Dynamic?                     false  
        Accept wildcard characters?  false  
          
**<CommonParameters>**  
        This cmdlet supports the common parameters: Verbose, Debug,  
        ErrorAction, ErrorVariable, WarningAction, WarningVariable,  
        OutBuffer, PipelineVariable, and OutVariable. For more information, see  
        about\_CommonParameters (https://go.microsoft.com/fwlink/?LinkID=113216).   
      
      
**INPUTS**  
    SpreadCommander.Common.PowerShell.CmdLets.Map.MapContext  
      
      
**OUTPUTS**  
    System.Object  
      
**ALIASES**  
    None  
      
  
**REMARKS**  
    None

Cmdlet *Add-MapItem*: dynamic parameter sets

Table of Contents is at end of the **Book**.

Parameters *Dot*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Location <Double[]>**  
        Location of the Dot.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Size <Int32?>**  
        Dot size in pixels.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ShapeKind <MapDotShapeKind?>**  
        Shape that is used to draw a dot on a map.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeColor <String>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeWidth <Int32?>**  
        Width of the stroke on the map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Title <String>**  
        Shape's title.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleColor <String>**  
        Text color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleGlowColor <String>**  
        Text glowing color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Ellipse*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Location <Double[]>**  
        Location of the Ellipse.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Width <Double>**  
        Width of the ellipse.  
          
        Required?                    True  
        Position?                    2  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Height <Double>**  
        Height of the ellipse.  
          
        Required?                    True  
        Position?                    3  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeColor <String>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeWidth <Int32?>**  
        Width of the stroke on the map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Title <String>**  
        Shape's title.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleColor <String>**  
        Text color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleGlowColor <String>**  
        Text glowing color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Line*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Point1 <Double[]>**  
        First point that defines this line.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Point2 <Double[]>**  
        Second point that defines this line.  
          
        Required?                    True  
        Position?                    2  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Geodesic <SwitchParameter>**  
        Indicating whether the line is geodesic.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeColor <String>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeWidth <Int32?>**  
        Width of the stroke on the map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Title <String>**  
        Shape's title.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleColor <String>**  
        Text color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleGlowColor <String>**  
        Text glowing color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Polygon*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Points <Double[][]>**  
        Collection of points defining the map polygon. 2D double array in form @(@(10, -170), @(10, 170)).  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Image <Image>**  
        Image that will be used as background of map polygon.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ImageFile <String>**  
        Filename of the image that will be used as background of map polygon.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ImageTransparency <Byte?>**  
        Image transparency  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeColor <String>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeWidth <Int32?>**  
        Width of the stroke on the map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Title <String>**  
        Shape's title.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleColor <String>**  
        Text color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleGlowColor <String>**  
        Text glowing color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Polyline*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Points <Double[][]>**  
        Collection of points defining the map Polyline. 2D double array in form @(@(10, -170), @(10, 170)).  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Geodesic <SwitchParameter>**  
        Indicating whether the Polyline is geodesic.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeColor <String>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeWidth <Int32?>**  
        Width of the stroke on the map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Title <String>**  
        Shape's title.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleColor <String>**  
        Text color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleGlowColor <String>**  
        Text glowing color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Rectangle*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Location <Double[]>**  
        Location of the Rectangle.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Width <Double>**  
        Width of the Rectangle.  
          
        Required?                    True  
        Position?                    2  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Height <Double>**  
        Height of the Rectangle.  
          
        Required?                    True  
        Position?                    3  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeColor <String>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeWidth <Int32?>**  
        Width of the stroke on the map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Title <String>**  
        Shape's title.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleColor <String>**  
        Text color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleGlowColor <String>**  
        Text glowing color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Pushpin*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-TextGlowColor <String>**  
        Glow color of a text for a map custom element.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TextOrigin <Int32[]>**  
        Exact XY position where you wish the text to be drawn on the map pushpin.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Location <Double[]>**  
        Location of a map pointer object.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Text <String>**  
        Text for a map pointer.  
          
        Required?                    False  
        Position?                    2  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-DrawBackground <SwitchParameter>**  
        Whether to draw map pointer background.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Font <String>**  
        Font used to paint a map pointer's text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Image <Image>**  
        Image that is assigned to a map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ImageIndex <Int32?>**  
        Image index value of an image assigned to the map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ImageFilename <String>**  
        Filename that defines the location of an Image file with vector data.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TextAlignment <TextAlignment?>**  
        Alignment of the text in a map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TextPadding <Int32?>**  
        Padding for text shown for map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Transparency <Byte?>**  
        Transparency value for the map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Custom*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-HtmlText <SwitchParameter>**  
        Whether HTML formatting is allowed  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Padding <Int32[]>**  
        Internal space between the map custom element's content and its edge, in pixels.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-RenderOrigin <Double[]>**  
        Center point of any possible render, relative to the bounds of the map custom element.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TextGlowColor <String>**  
        Glow color of a text for a map custom element.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Location <Double[]>**  
        Location of a map pointer object.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Text <String>**  
        Text for a map pointer.  
          
        Required?                    False  
        Position?                    2  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-DrawBackground <SwitchParameter>**  
        Whether to draw map pointer background.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Font <String>**  
        Font used to paint a map pointer's text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Image <Image>**  
        Image that is assigned to a map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ImageIndex <Int32?>**  
        Image index value of an image assigned to the map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ImageFilename <String>**  
        Filename that defines the location of an Image file with vector data.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TextAlignment <TextAlignment?>**  
        Alignment of the text in a map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TextPadding <Int32?>**  
        Padding for text shown for map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Transparency <Byte?>**  
        Transparency value for the map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Callout*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-HtmlText <SwitchParameter>**  
        Whether HTML formatting is allowed  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Location <Double[]>**  
        Location of a map pointer object.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Text <String>**  
        Text for a map pointer.  
          
        Required?                    False  
        Position?                    2  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-DrawBackground <SwitchParameter>**  
        Whether to draw map pointer background.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Font <String>**  
        Font used to paint a map pointer's text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Image <Image>**  
        Image that is assigned to a map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ImageIndex <Int32?>**  
        Image index value of an image assigned to the map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ImageFilename <String>**  
        Filename that defines the location of an Image file with vector data.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TextAlignment <TextAlignment?>**  
        Alignment of the text in a map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TextPadding <Int32?>**  
        Padding for text shown for map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Transparency <Byte?>**  
        Transparency value for the map pointer.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Bubble*

**Parameter Set Name**: \_\_AllParameterSets   
**-ItemType <MapItemType>**  
        Map item type - dot, line, path, callout etc.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Location <Double[]>**  
        Location of the Bubble.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Argument <String>**  
        Argument for Bubble.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Value <Double?>**  
        Value of the Bubble.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Size <Int32?>**  
        Bubble size in pixels.  
          
        Required?                    False  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Group <Int32?>**  
        Group to which the current MapBubble belongs.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-MarkerType <MarkerType?>**  
        Appearance of a bubble marker.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-FillColor <String>**  
        Color that is used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeColor <String>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-StrokeWidth <Int32?>**  
        Width of the stroke on the map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Title <String>**  
        Shape's title.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleColor <String>**  
        Text color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-TitleGlowColor <String>**  
        Text glowing color of shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Cmdlet *Add-MapLayerImage*: dynamic parameter sets

Table of Contents is at end of the **Book**.

Parameters *Bing*

**Parameter Set Name**: \_\_AllParameterSets   
**-LayerType <ImageLayerType>**  
        Image layer type - Bing, OpenStreet  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Name <String>**  
        Layer's name.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MiniMap <SwitchParameter>**  
        When set - layer is added to mini map.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Transparency <Byte?>**  
        Layer's transparency.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Kind <BingMapKind?>**  
        Type of images to be displayed on a map.  
          
        Required?                    False  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-CultureName <String>**  
        Culture name used to obtain data from Bing GIS services.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *Heatmap*

**Parameter Set Name**: \_\_AllParameterSets   
**-LayerType <ImageLayerType>**  
        Image layer type - Bing, OpenStreet  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Name <String>**  
        Layer's name.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MiniMap <SwitchParameter>**  
        When set - layer is added to mini map.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Transparency <Byte?>**  
        Layer's transparency.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-PointRadius <Int32?>**  
        Particular heatmap point's radius in pixels.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *OpenStreet*

**Parameter Set Name**: \_\_AllParameterSets   
**-LayerType <ImageLayerType>**  
        Image layer type - Bing, OpenStreet  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Name <String>**  
        Layer's name.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MiniMap <SwitchParameter>**  
        When set - layer is added to mini map.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Transparency <Byte?>**  
        Layer's transparency.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Kind <OpenStreetMapKind?>**  
        Type of images to be displayed on a map.  
          
        Required?                    False  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *WMS*

**Parameter Set Name**: \_\_AllParameterSets   
**-LayerType <ImageLayerType>**  
        Image layer type - Bing, OpenStreet  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Name <String>**  
        Layer's name.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MiniMap <SwitchParameter>**  
        When set - layer is added to mini map.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Transparency <Byte?>**  
        Layer's transparency.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-ServerUrl <String>**  
        URL of server that supports Web Map Service.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-ActiveLayer <String>**  
        Active layer name retrieved from a Web Map Service.  
          
        Required?                    True  
        Position?                    2  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Parameters <Hashtable>**  
        Parameters for request to Web Map Service.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-MaxRequestedImageWidth <Int32?>**  
        Maximum image width that the provider can request from a server.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-MaxRequestedImageHeight <Int32?>**  
        Maximum image height that the provider can request from a server.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Cmdlet *Add-MapLayerRoute*: dynamic parameter sets

Table of Contents is at end of the **Book**.

Parameters *Bing*

**Parameter Set Name**: \_\_AllParameterSets   
**-ProviderType <RouteProviderType>**  
        Route provider type - Bing, OpenStreet.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-ResultCount <Int32>**  
        Number of results that can be obtained by a Route request.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Name <String>**  
        Layer's name.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-ItemImageIndex <Int32?>**  
        Index of the image assigned to the map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-FillColor <String>**  
        Color used to fill a map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Font <String>**  
        Map item's font.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-StrokeColor <String>**  
        Color that specifies how the map item outline is painted.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-StrokeWidth <Int32?>**  
        Width of the stroke on the current map item.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-TextGlowColor <String>**  
        Map item's text glow color.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-ShapeTitlesPattern <String>**  
        Pattern used to generate shape titles.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-WayPoints <BingRouteWayPoint[]>**  
        Array of way points. One way point calculates road from major roads, multiple way points - calculates road between points.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-AvoidRoads <BingAvoidRoads?>**  
        Option that allows limitation of the use of the toll or highway roads.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-DistanceUnit <DistanceMeasureUnit?>**  
        Value that defines how to measure distances.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Mode <BingTravelMode?>**  
        Value that defines how a route should be calculated.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-RouteOptimization <BingRouteOptimization?>**  
        Value that defines how to optimize the route calculation.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-Culture <String>**  
        Local culture.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Cmdlet *Add-MapLayerSearch*: dynamic parameter sets

Table of Contents is at end of the **Book**.

Parameters *Bing*

**Parameter Set Name**: \_\_AllParameterSets   
**-ProviderType <SearchProviderType>**  
        Search provider type - Bing, OpenStreet.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Search <String>**  
        Information to search on a map. This string can contain either geographical names or any other information to look for.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-ResultCount <Int32>**  
        Number of results that can be obtained by a search request.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Culture <String>**  
        Local culture.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-AnchorPoint <Double[]>**  
        Geographical point, around which it is necessary to search.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-BoundingBox <Double[]>**  
        Region to search for.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

Parameters *OpenStreet*

**Parameter Set Name**: \_\_AllParameterSets   
**-ProviderType <SearchProviderType>**  
        Search provider type - Bing, OpenStreet.  
          
        Required?                    True  
        Position?                    0  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Search <String>**  
        Information to search on a map. This string can contain either geographical names or any other information to look for.  
          
        Required?                    True  
        Position?                    1  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-ResultCount <Int32>**  
        Number of results that can be obtained by a search request.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-MapContext <MapContext>**  
        Map context generated in other cmdlets such as New-GeoMap.  
          
        Required?                    True  
        Position?                    Named  
        Accept pipeline input?       True  
        Aliases                      None  
        Dynamic?                     False  
  
**-Comment <String>**  
        Comment for the text.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-CommentHtml <SwitchParameter>**  
        If set - Comment is treated as HTML  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Bookmark <String>**  
        Bookmark in the document  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Hyperlink <String>**  
        Hyperlink to existing bookmark  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTooltip <String>**  
        Text for the tooltip displayed when the mouse hovers over a hyperlink  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-HyperlinkTarget <String>**  
        Target window or frame in which to display the web page content when the hyperlink is clicked  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Book <SCBookContext>**  
        Target book. By default - write into host's book  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     False  
  
**-Verbose <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      vb  
        Dynamic?                     False  
  
**-Debug <SwitchParameter>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      db  
        Dynamic?                     False  
  
**-ErrorAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ea  
        Dynamic?                     False  
  
**-WarningAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wa  
        Dynamic?                     False  
  
**-InformationAction <ActionPreference>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      infa  
        Dynamic?                     False  
  
**-ErrorVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ev  
        Dynamic?                     False  
  
**-WarningVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      wv  
        Dynamic?                     False  
  
**-InformationVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      iv  
        Dynamic?                     False  
  
**-OutVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ov  
        Dynamic?                     False  
  
**-OutBuffer <Int32>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      ob  
        Dynamic?                     False  
  
**-PipelineVariable <String>**  
          
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      pv  
        Dynamic?                     False  
  
**-Culture <String>**  
        Local culture.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-CountryCodes <String[]>**  
        Country codes.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True  
  
**-BoundingBox <Double[]>**  
        Region to search for.  
          
        Required?                    False  
        Position?                    Named  
        Accept pipeline input?       False  
        Aliases                      None  
        Dynamic?                     True

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