

ArcWebSM Services 2006 API Matrix*

	APIs					Portal www.arcwebservices.com
	SOAP	REST	OpenLS	J2ME Mobile Toolkit	JavaScript	
Mapping						
Set center and scale of map.	X	X	X	X	X	
Re-center or pan the map.	X	X	X	X	X	
Turn on and off layers.	X	X	X		X	
Create maps with polygons, polylines, and points.	X	X	X		X	
Get latitude-longitude, center, and extent of map.	X	X			X	
Create maps of the minimum extent that include all circles, polygons, lines, and markers.	X					
Create thematic maps based on ESRI® data.	X				X	
Create thematic maps based on custom user data.	X					
Merge two map images into one.	X				X	
Save and retrieve maps.	X					
Return a URL for a given map area.	X	X	X		X	
Interact with markers.					X	
Return an optimal projection for a given extent.	X	X				
Geocoding						
Geocode by address.	X		X	X	X	
Batch geocode.	X		X			X
Geocode DBF file of addresses.					X	X
Geocode incomplete addresses.	X		X	X	X	X
Geocode by IP address.	X				X	
Batch geocode by IP address.	X				X	
Geocode by phone number.	X			X	X	
Batch geocode by phone number.	X				X	
Reverse geocode.	X		X	X		
Batch reverse geocode.	X					
Routing						
Generate multipoint route.	X		X	X	X	
Return a drive-time polygon or fixed-distance polygon.	X					
Get driving directions in one of 10 languages.	X		X			
Get turn-by-turn maps for a route.	X					
Get route geometry.	X		X	X		
Spatial Query						
Return data within a certain proximity of a given extent.	X		X		X	
Return data within a certain proximity of a given geometry.	X		X			
Return data within a certain proximity of a given x,y location.	X		X	X		
Return available fields and related information.	X					
Custom Data Management						
Create a data file to store data.	X			X		X
Add data to existing data file.	X			X		X
Edit existing data file.	X			X		X
Create custom spatial query services.						X
Access custom spatial query services.	X		X	X	X	X
Create custom map services.						X
Access custom map services.	X		X	X	X	X
Customize the style of your map services.						X
Access the style of your map services.	X		X	X	X	X

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Reports						
Generate demographic reports in PDF, XML, or Excel format.	X					
Generate preformatted reports for specified sites or standard geographies.	X					
Get thematic variables based on a keyword search.	X					
Generate thematic maps in PDF.	X					
Get list of variables that can be used in a custom report.	X					
Generate reports with user-defined variables for a specific site or geography in PDF, XML, or Excel format.	X					
Account Information						
Get information about your API usage.	X					X
Add and remove users from your group.						X
Allocate credits to users in your group.						X
Choose who receives notification e-mails.						X
Content Information						
Get metadata fields.	X					X
Get available services.	X					X
Return list of dependent content for layer or data file.	X					X
Search for content.	X					X
Get available icons.	X					
Get available fields for creating a thematic map.	X					
Get supported projections.	X					
Utility						
Return the great circle distance between two points.	X					
Convert a circle to a polygon, a circular arc to a line, and an ellipse to a polygon.	X					
Convert between geographic and pixel coordinates.	X				X	
Return the projected extent, geometry, and point.	X					
Wireless Location						
Get the x,y coordinates and related location information for a mobile device.	X		X	X		
Determine whether a registered mobile device is turned on.	X					
Send an SMS message.	X					
Determine where a device stopped along a path.	X					
Determine speed and direction of a device.	X					
Authentication						
Generate a token with a default expiration of 60 minutes.	X	X	X	X		
Generate a token with a user-defined expiration.	X	X				
Generate a User-ID with no timeout and no IP restrictions.		X				
Register site URLs for authentication.					X	
Authenticate via WS-Security.	X					

*The functionality is current as of July 28, 2006.
See www.arcwebservices.com for the latest information.



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