Address Distance Calculator
Version 5.0.0

WSDL: http://ws.strikeiron.com/AddressDistanceCalculator5?WSDL

Product Web Page:
http://www.strikeiron.com/Catalog/ProductDetail.aspx?pv=5.0.0&pn=Address+Distance+Calculator

Description: The StrikeIron Address Distance Calculator Web Service instantly calculates the distance between two U.S. or Canadian addresses. Simply provide information for two different addresses and it will calculate the distance between the two points. Note, this is a straight-line distance, not driving distance.

Required License Information: The *LicenseInfo* parameter in our Web services provides the authentication credentials that allow you to invoke the Web service. If you are registered with StrikeIron, use the UserID and Password associated with your StrikeIron account in the UserID and Password fields. Alternatively, you can also use your license key obtained from your StrikeIron Account (leave the password blank).

LicenseInfo Field: RegisteredUser Input	Sample Input
UserID:	johndoe@strikeiron.com
Password:	Password1

License Subscription Information Output	Sample Output
LicenseStatusCode: This field returns a numeric code indicating the StrikeIron license action taken as a result of invoking this operation from the User ID and Password used for input. Valid license codes are *0*, *1*, and *2*. For example, a valid User ID and Password returns the code *0* with a corresponding LicenseStatus value of *Valid license key*.	0
LicenseStatus: This field returns the status of the StrikeIron User ID and Password corresponding to the LicenseStatusCode.	Valid license key
LicenseActionCode: This field returns a numeric code indicating the StrikeIron license action taken as a result of invoking this operation. GetRemainingHits returns the code 5 with a corresponding LicenseAction value of *Get remaining hits*.	0
LicenseAction: This field returns the license action taken as a result of invoking this operation from the User ID and Password used corresponding to the LicenseActionCode.	Decremented hit count
RemainingHits: This field returns the number of hits against the StrikeIron license key used when invoking this operation.	2
Amount: This field returns the number of hits *used* from the StrikeIron User ID provided to invoke this operation.	0

Available Operations:
- AddressToAddressDistance
- GetStatusCodesForMethod (no hits)
- GetStatusCodes (no hits)
- GetServiceInfo (no hits)

STRIKE**IRON**®

- GetRemainingHits (no hits)

Operation: AddressToAddressDistance Input	Sample Input
Location1: Enter the first of two addresses to calculate the distance between them.	
*AddressLine1: Type an expression for an address, complete or partial, to match and enhance. *Required*.	15501 Weston Pkwy
AddressLine2: Type an expression for an address, complete or partial, to match and enhance.	Suite 150
*CityStateOrProvinceZIPOrPostalCode: Type an expression, complete or partial, to match and enhance for the city, postal code (Canada) or ZIP code (US), and province(Canada) or state (US) for the address. *Required.*	Cary NC 27513
*Country: Type the country pertaining to this address. Valid acceptable inputs are US or CA. *Required.*	US
Location2: Enter the second of two addresses to calculate the distance between them.	
*AddressLine1: Type an expression for an address, complete or partial, to match and enhance. *Required*.	2 Robert Speck Pkwy
AddressLine2: Type an expression for an address, complete or partial, to match and enhance.	Suite 750
*CityStateOrProvinceZIPOrPostalCode: Type an expression, complete or partial, to match and enhance for the city, postal code (Canada) or ZIP code (US), and province(Canada) or state (US) for the address. *Required.*	Mississauga ON L4Z1H8
*Country: Type the country pertaining to this address. Valid acceptable inputs are US or CA. *Required.*	CA
*UnitOfMeasure: Type the unit of measure for the distance calculated for the addresses provided for in Location1 and Location2. Possible units of measure: Miles, Nautical Miles, Meters, Kilometers, or Yards. *Required.*	Miles

Operation: AddressToAddressDistance Output (ServiceResult)	Sample Output
AddressToAddressDistanceResult: This field returns the distance between Address1 and Address2 in units specified by the UnitOfMeasure input field.	540.12050966479217

Operation: AddressToAddressDistance Output (ServiceStatus)	Sample Output
StatusNbr: This field returns a number referring to the status of this request. (See GetStatusCodes)	200
StatusDescription: This field returns the description of the status number. (See GetStatusCodes)	Found

Operation: GetStatusCodesForMethod Input	Sample Input
*MethodName: Input a method name to obtain a list of the Status Codes for that method that display in the StatusNbr and StatusDescription fields. Input options are: AddressToAddressDistance, GetStatusCodesForMethod, GetStatusCodes, and GetServiceInfo. *Required.*	AddressToAddressDistance

Operation: GetStatusCodesForMethod Output (ServiceResult)	Sample Output

StatusNbr	StatusDescription
200	Found
303	GeoCode Not Found
304	Address Not Found
305	Address is ambiguous
500	Internal Error

Operation: GetStatusCodesForMethod Output (ServiceStatus)	Sample Output
StatusNbr: This field returns a number referring to the status of this request. (See GetStatusCodes)	200
StatusDescription: This field returns the description of the status number. (See GetStatusCodes)	Found

Operation: GetStatusCodes Input	Sample Input
Note: The only input needed for this operation is the LicenseInfo data. This operation displays a list of the Status Codes for the Web service that display in the StatusNbr and StatusDescription fields.	(No input required)

Operation: GetStatusCodes Output (MethodStatusRecord)	Sample Output
MethodName: AddressToAddressDistance	

StatusNbr	StatusDescription
200	Found
303	GeoCode Not Found
304	Address Not Found
305	Address is ambiguous
500	Internal Error

MethodName: GetStatusCodesForMethod

StatusNbr	StatusDescription
200	Found
300	Not Found
400	Invalid Method Name
500	Internal Error

MethodName: GetStatusCodes

StatusNbr	StatusDescription
200	Found
300	Not Found
500	Internal Error

MethodName: GetServiceInfo

StatusNbr	StatusDescription
200	Found
300	Not Found
500	Internal Error

Operation: GetStatusCodes Output (ServiceStatus)	Sample Output
StatusNbr: This field returns a number referring to the status of this request. (See GetStatusCodes)	200
StatusDescription: This field returns the description of the status number. (See GetStatusCodes)	Found

Operation: GetServiceInfo Input	Sample Input
Note: The only input needed for this operation is the LicenseInfo data. This operation displays the last time the Web service source data was updated.	(No input required)

Operation: GetServiceInfo Output (ServiceInfoRecord)	Sample Output
InfoKey: (For future development)	(none)
InfoValue: (For future development)	(none)

Operation: GetServiceInfo Output (ServiceStatus)	Sample Output
StatusNbr: This field returns a number referring to the status of this request. (See GetStatusCodes)	200
StatusDescription: This field returns the description of the status number. (See GetStatusCodes)	Found

Operation: GetRemainingHits Input	Sample Input
Note: The only input needed for this operation is the LicenseInfo data.	(No input required)

Operation: GetRemainingHits Output (SubscriptionInfo)	Sample Output
LicenseStatusCode: This field returns a numeric code indicating the StrikeIron license action taken as a result of invoking this operation from the User ID and Password used for input. Valid	0

license codes are *0*, *1*, and *2*. For example, a valid User ID and Password returns the code *0* with a corresponding LicenseStatus value of *Valid license key*.	
LicenseStatus: This field returns the status of the StrikeIron User ID and Password corresponding to the LicenseStatusCode.	Valid license key
LicenseActionCode: This field returns a numeric code indicating the StrikeIron license action taken as a result of invoking this operation. GetRemainingHits returns the code 5 with a corresponding LicenseAction value of *Get remaining hits*.	0
LicenseAction: This field returns the license action taken as a result of invoking this operation from the User ID and Password used corresponding to the LicenseActionCode.	Decremented hit count
RemainingHits: This field returns the number of hits against the StrikeIron User ID and Password used when invoking this operation.	2
Amount: This field returns the number of hits *used* from the StrikeIron User ID provided to invoke this operation.	0
GetRemainingHitsResponse: This field only returns subscription information.	