



Load Searching Web Service API v7

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Load Searching Web Service URL

Production

<http://webservices.truckstop.com/v7/Searching/LoadSearch.svc>

Test

<http://testws.truckstop.com:8080/v7/Searching/LoadSearch.svc>

Load Searching Web Service Requests

GetLoadSearchResults: Searches for loads based on search criteria.

Input:

LoadSearchRequest

Requirements

Authentication requires a valid user name, password, and integration id that has load search web service enabled.

Searching Requires an origin, as a state, City and State with a radius, or a latitude and longitude in integer format (decimal x100) for example: Boise, ID has a lat of 4360 and lon of -11621, or city, state, country. For an anywhere search, leave city and state blank and pass country, or leave all destination fields blank. For multi-state pass comma delimited list of states to origin state ("CA,TX,NY,ID").

For destination pass in blank city and state with a valid country for an anywhere search. For multi-state pass in comma delimited list of states to destination state.

Valid countries are USA, CAN, MEX.

Pass in HoursOld for searching on age. Set HoursOld to zero if no filtering on hours old is desired.

You must specify the Load Type (All, Part, or Full)

Output:

LoadSearchReturn

Sample Code - .NET 3.5 using C#

...

```

LoadSearchClient client = new LoadSearchClient();
LoadSearchRequest request = new LoadSearchRequest();
request.IntegrationId = xxxxx;
request.UserName = "xxxxx";
request.Password = "xxxxx";

request.Criteria = new LoadSearchCriteria
{
    OriginCity = "Boise",
    OriginState = "ID",
    OriginRange = 200,
    EquipmentType = "V",
    LoadType = LoadType.All
};
LoadSearchReturn result = client.GetLoadSearchResults(request);

foreach (Error error in result.Errors)
{
    Console.WriteLine(error.ErrorMessage);
}

foreach (LoadSearchItem item in result.SearchResults)
{
    Console.WriteLine(string.Format("Origin {0}, {1}", item.OriginCity, item.OriginState));
    Console.WriteLine(string.Format("Destination {0}, {1}", item.DestinationCity, item.DestinationState));
}
...

```

GetLoadSearchDetailResult: Get the details for a specified load.

Input:

LoadDetailRequest

Requirements

Authentication requires a valid user name, password, and integration id that has load search web service enabled

Getting the Load detail requires a valid load id.

Output:

LoadDetailReturn

Sample Code - .NET 3.5 using C#

```

...
LoadSearchClient client = new LoadSearchClient();

```

```

LoadDetailRequest request = new LoadDetailRequest();
request.IntegrationId = xxxxx;
request.UserName = "xxxxx";
request.Password = "xxxxx";
request.LoadId = 304515275;

LoadDetailReturn result = client.GetLoadSearchDetailResult(request);

foreach (Error error in result.Errors)
{
    Console.WriteLine(error.ErrorMessage);
}

Console.WriteLine(result.LoadDetail.TruckCompanyName);
Console.WriteLine(result.LoadDetail.TruckCompanyPhone);
...

```

Appendix 1 SOAP Object Descriptions

Error

1. string ErrorMessage

LoadSearchCriteria

1. string DestinationCity
2. int DestinationRange
3. string DestinationState
4. string DestinationCountry
5. string EquipmentType
6. LoadType (enum) LoadType
7. string OriginCity
8. int OriginLatitude
9. int OriginLongitude
10. int OriginRange
11. string OriginState
12. string OriginCountry
13. DateTime PickupDate

14. int HoursOld

LoadDetailRequest

1. int IntegrationId
2. int LoadId
3. string Password
4. string UserName

LoadDetailResult

1. int Bond
2. string Credit
3. string DeliveryDate
4. string DeliveryTime
5. string DestinationCity
6. string DestinationState
7. string DestinationZip
8. string DispatchName
9. string DispatchPhone
10. string Distance
11. string DOTNumber
12. DateTime Entered
13. string Equipment
14. string FuelCost
15. int ID
16. string Length
17. LoadType LoadType
18. string MCNumber (Broker MC Number)
19. string Mileage
20. string OriginCity
21. string OriginState

- 22. string OriginZip
- 23. string PaymentAmount
- 24. string PickupDate
- 25. string PickupTime
- 26. string PointOfContact
- 27. string PointOfContactPhone
- 28. string Quantity
- 29. string SpecInfo
- 30. string Stops
- 31. string TMCNumber (Carrier MC Number)
- 32. string TruckCompanyCity
- 33. string TruckCompanyEmail
- 34. string TruckCompanyFax
- 35. string TruckCompanyName
- 36. string TruckCompanyPhone
- 37. string TruckCompanyState
- 38. string Weight
- 39. string Width

LoadDetailReturn

- 1. Error[] Errors
- 2. LoadDetailResult LoadDetail

LoadSearchItem

- 1. string Age (number of hours old)
- 2. int Bond
- 3. bool BondEnabled
- 4. int BondTypeID

BondTypeID used with Bond will provide the correct Bond amount for the broker in the record returned.

The values of Bond can be 10, 25, 50, 100, and 250. All values are in \$1000 increments.

There are three bond types designated by color:

Red - Brokerage is a participating member of the Diamond Broker program at level I (highest level).

Blue - This Brokerage is a participating member of the TIA's Performance Certified program.

Gray - This Brokerage is a participating member of the Diamond Broker program.

The following define what each BondTypeID represents:

Bond at 10K Red (1 diamond) - 105
Bond at 25K Red (2 diamonds) - 104
Bond at 50K Red (3 diamonds) - 103
Bond at 100K Red (4 diamonds) - 102
Bond at 250K Red (5 diamonds) - 101
Bond at 10K Blue (1 diamond) - 505
Bond at 25K Blue (2 diamonds) - 504
Bond at 50K Blue (3 diamonds) - 503
Bond at 100K Blue (4 diamonds) - 502
Bond at 250K Blue (5 diamonds) - 501
Bond at 10K Gray (1 diamond) - 1005
Bond at 25K Gray (2 diamonds) - 1004
Bond at 50K Gray (3 diamonds) - 1003
Bond at 100K Gray (4 diamonds) - 1002
Bond at 250K Gray (5 diamonds) - 1001
No Bond - 9999

The BondTypeID numbering is for proper sorting.

5. string CompanyName
6. string DestinationCity
7. int DestinationDistance (air miles from search destination)
8. string DestinationState
9. string Equipment
10. int ID (the ID of the load)

11. string Length
12. LoadType LoadType
13. string Miles
14. string OriginCity
15. string OriginDistance (air miles from the search Origin)
16. string OriginState
17. string Payment
18. string PickUpDate
19. string PointOfContactPhone
20. string Weight
21. string OriginCountry
22. string DestinationCountry
23. bool IsFriend

LoadSearchRequest

1. LoadSearchCriteria Criteria
2. int IntegrationId
3. string Password
4. string UserName

LoadSearchReturn

1. Error[] Errors
2. LoadSearchItem[] SearchResults

LoadType (enum)

1. All
2. Full
3. Partial

Appendix 2 Supported Equipment Types

Code	Definition
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2F - Two 24 or 28 foot flats
ANIM - Animal Carrier
AUTO - Auto carrier
B-TR - B-Train/Supertrain (Canada only)
BELT - Conveyor Belt
BOAT - Boat Hauling Trailer
CH - Convertible Hopper
CONT - Container Trailer
DD - Double Drop
DUMP - Dump Trucks
ENDP - End Dump
F - Flatbed
FEXT - Stretch Trailers or Extendable Flatbed
FINT - Flatbed Intermodal
FO - Flatbed over-dimension loads
FSD - Flat or Step Deck
FVR - Flatbed, Van, or Reefer
FWS - Flatbed With Sides
HOPP - Hopper Bottom
HS - Hot Shot
HTU - Haul and Tow Unit
LAF - Landoll Flatbed
LB - Lowboy
LBO - Lowboy over-dimension load
LDOT - Load-Out are empty trailers you load and haul
LIVE - Live Bottom Trailer
MAXI - Maxi or Double Flat Trailers
MBHM - Mobile Home
PNEU - Pneumatic

PO - Power Only (tow-away)
R - Refrigerated Carrier(Reffer)
RGN - Removable Goose Neck & Multi-Axle Heavy Haulers
RGNE - RGN Extendable
RINT - Refrigerated Intermodal
ROLL - ROLL Top Conestoga
RPD - Refrigerated Carrier W/Plant Decking
SD - Step Deck
SDL - Step Deck w/Loading Ramps
SDO - Step Deck over-dimension load
SPEC - Unspecified Specialized Trailers
SV - Straight Van
TANK - Tanker (Food grade, liquid, bulk, etc.)
V - Van
V-OT - Open Top Van
VB - Blanket Wrap Van
VC - Curtain Van
VCAR - Cargo Vans (1 Ton capacity)
VF - Flatbed or Van
VINT - Van Intermodal
VIV - Vented Insulated Van
VLG - Van w/Liftgate
VM - Moving Van
VR - Van or Reefer
VV - Vented Van
WALK - Walking Floor
VVR - Vented Van or Refrigerated
VIVR - Vented Insulated Van or Refrigerated

Supported States

AB - ALBERTA
AK - ALASKA
AL - ALABAMA
AR - ARKANSAS
AZ - ARIZONA
BC - BRITISH COLUMBIA
CA - CALIFORNIA
CO - COLORADO
CT - CONNECTICUT
DC - DISTRICT OF COLUMBIA
DE - DELAWARE
FL - FLORIDA
GA - GEORGIA
IA - IOWA
ID - IDAHO
IL - ILLINOIS
IN - INDIANA
KS - KANSAS
KY - KENTUCKY
LA - LOUISIANA
MA - MAINE
MB - MANITOBA
MD - MARYLAND
ME - MAINE
MI - MICHIGAN
MN - MINNESOTA
MO - MISSOURI
MS - MISSISSIPPI
MT - MONTANA

NB - NEW BRUNSWICK
NC - NORTH CAROLINA
ND - NORTH DAKOTA
NE - NEBRASKA
NH - NEW HAMPSHIRE
NJ - NEW JERSEY
NL - NEWFOUNDLAND and LABRADOR
NM - NEW MEXICO
NS - NOVA SCOTIA
NT - NORTHWEST TERRITORIES
NV - NEVADA
NY - NEW YORK
OH - OHIO
OK - OKLAHOMA
ON - ONTARIO
OR - OREGON
PA - PENNSYLVANIA
PE - PRINCE EDWARD ISLAND
QC - QUEBEC
RI - RHODE ISLAND
SC - SOUTH CAROLINA
SD - SOUTH DAKOTA
SK - SASKATCHEWAN
TN - TENNESSEE
TX - TEXAS
UT - UTAH
VA - VIRGINIA
VT - VERMONT
WA - WASHINGTON

WI - WISCONSIN

WV - WEST VIRGINIA

WY - WYOMING

YT - YUKON