



Aljex Order API

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TO SUBMIT LOADS TO ALJEX

1. Create a file containing records according to the [SUBMIT RECORD](#) table below.
2. http-post the file to `https://<name>.aljex.com/api.php` , using the [HTTP-POST FIELDS](#) described below.
3. Collect the http response and parse it according to the [RESPONSE RECORD](#) table below.

Plain http connections will be rejected. You must connect using https.

HTTP-POST FIELDS

Minimum required fields:

```
pv=1
acct=<name>
app=submitload
fmt=tab_delimited
data=<tab_delimited_file>
```

Optional fields:

```
verbose=<0-2>
```

Descriptions

<name>.aljex.com

<name> will usually be the same as the acct= field.

This value will be supplied by Aljex.

acct=<name>

<name> will usually the same as the cname/prefix in the hostname.

This value will be supplied by Aljex.

app

app is the application to access.

The only valid value is "submitload".

pv

pv is protocol version.

The only valid value is "1".

fmt

fmt is data format of the uploaded file, and the response back to the http client.

The only valid value is "tab_delimited".

data

data is the file containing the data being submitted to Aljex.

The only valid value is a tab_delimited file, sent as a file, the same as a file-select input form on a web page.

verbose

verbose allows some control over the responses from the web service.

Valid values, and their effects, are:

0 = Silent.

No messages from the web service itself. If this field is not specified, it behaves as if verbose=0.

The only http response is from the application, which should be one or more response records in the documented format, similar to that used to submit loads, and should be machine readable.

1 = Adds a few basic status messages. Note the normal response of data records from the application is still included. Still fairly consistent and machine readable, but is no longer a clean data file like the upload file or verbose=0.

2 = Slightly more verbose. Really only for human testing and debugging.

EXAMPLE COMMAND TO SUBMIT A LOAD

This example uses the [curl](#) command-line http client (available on all platforms).

(You may of course use any http client or library that can do an http-post with ssl.)

The order the fields appear on the command line or in the http-post data does not matter.

The name of the file does not matter.

This example assumes the tab-delimited payload file is named "test.tsv" in the current working directory on the client (your) machine.

This example assumes the Aljex customer you are submitting loads to is named "anro".

"anro" is in fact a test system which you may safely post to for testing.

IE: You may literally cut & paste this command and run it for real right now.

(The upload will be harmlessly ignored without a name and password inside the data file, although it will still exercise the communication with the web service, ie, the https/ssl negotiation and the http-post upload and parsing. Aljex support can additionally supply a name and password to test actual posting into the test system.)

This example does not collect the http response to a file. It will just display on the terminal.

Verbose messages for testing, command-line line broken up for clarity of the individual options

```
$ curl \  
-F "pv=1" \  
-F "acct=anro" \  
-F "app=submitload" \  
-F "fmt=tab_delimited" \  
-F "data=@test.tsv" \  
-F "verbose=2" \  
https://anro.aljex.com/
```

Typical production usage

Same as above, except:

- * Some curl behaviour options added to silence output, specify reasonable timeout values, etc, suitable for non-interactive use.
- * The response is collected into a file named response.tsv
- * verbose=# option is omitted
- * command is written all on one line (though it is wrapped here)

```
$ curl -s -S --connect-timeout 5 --retry 3 --max-time 10 -o response.tsv -F "pv=1" -F "acct=anro" -F  
"app=submitload" -F "fmt=tab_delimited" -F "data=@test.tsv" https://anro.aljex.com/api.php
```

SUBMIT RECORD

File mapping specifications (elements highlighted in green are required, yellow are conditional):

NOTE: The API username and password will be provided by Aljex.

Field Number/Name	Length	Format	Notes
1 UserName	15		Web Login from Aljex Customer File
2 Password	15		Web Password from Aljex Customer File
3			
4			
5			
6			
7			
8			
9			
10 action	1	uppercase	API Action = A-Add (default) E-Edit
11 Customer Reference	22		
12			
13			
14			
15			
16 Customer Login	20		Web Login from Aljex Customer File
17 customer password	10		Web Password from Aljex Customer File
18 Customer account#	6		Account # from Aljex Customer File
19			
20			
21			
22			
23			

24			
25 Contact	20		
26 phone	14		
27 Customer's email	65		
28 Bill to Account #	6		If different than Customer Account
29			
30			
31			
32 Pro #	7	Integer	must contain Aljex Pro# for Edit function, else blank
33			
34			
35			
36 equip type	4		Use Equipment code such as "V" (Van), "R" (Reefer), "F" (Flatbed)
37 deck space	3	Integer	
38 miles	4	Integer	
39 pallet exchange	1	Y/N	
40 haz mat	1	Y/N	
41 temperature	3	Integer	
42 temperature control	1	Y/N	
43 declared value	9	Decimal	
44 picks	2	Integer	
45 stops	2	Integer	
46			
47			
48			
49			
50			

51			
52			
53			
54			
55			
56			
57			
58			
59			
60 pieces	5		
61 description	20		
62 weight	6		
63 rate type	1		"F" (Flat Rate), "P" (Piece Rate) "T" (Ton Rate), "H" (Hourly Rate), "M" (Per Mile Rate)
64 rate	8	Decimal	customer rate
65 extension	8	Decimal	extended customer rate
66			
67			
68			
69			
70 pu name	30		
71 pu address	30		
72 pu address	30		
73 pu city	20		
74 pu state	2		
75 pu zip	6		
76 pu contact	20		
77 pu phone	14		

78 pu date ready	8	MM/DD/YY	
79 pu time ready	5	HH:MM	
80 pu appt y/n	1		
81 pu appt date	8		
82 pu appt time	5		
83 pu appt note	25		
84 pu hours	9		
85 pu ref#	18		
86 pu pieces	5		
87 pu weight	6		
88 must ship date	8		
89			
90 cons name	30		
91 cons address	30		
92 cons address	30		
93 cons city	20		
94 cons state	2		
95 cons zip	6		
96 cons contact	20		
97 cons phone	14		
98 cons appt y/n	1		
99 cons appt date	8		
100 cons appt time	5		
101 cons appt note	25		
102 cons hours	5		
103 cons ref#	18		
104 cons pieces	5		
105 cons weight	6		

106 must deliver date	6		
107 must deliver time	5		
108			
109			
110 Bill of Lading Instructions 1	65		
111 Bill of Lading Instructions 2	65		
112 Bill of Lading Instructions 3	65		
113 Bill of Lading Instructions 4	65		
114 Bill of Lading Instructions 5	65		
115 Special Instructions 1	35		Will appear on Carrier Confirmation
116 Special Instructions 2	35		Will appear on Carrier Confirmation
117 Special Instructions 3	35		Will appear on Carrier Confirmation
118 Special Instructions 4	35		Will appear on Carrier Confirmation
119 Special Instructions 5	35		Will appear on Carrier Confirmation
120 Special Instructions 6	35		Will appear on Carrier Confirmation
121			
122			
123			
124			
125			
126			
127			
128			
129			
130 pick/stop	1		p/s
131 pick/stop	1		
132 pick/stop	1		
133 pick/stop	1		



134 pick/stop	1		
135 pick/stop	1		
136 pick/stop	1		
137 pick/stop	1		
138 pick/stop	1		
139 pick/stop	1		
140 pick/stop	1		
141 pick/stop	1		
142			
143			
144			
145			
146			
147			
148			
149			
150 pick/stop account #	6		
151 pick/stop account #	6		
152 pick/stop account #	6		
153 pick/stop account #	6		
154 pick/stop account #	6		
155 pick/stop account #	6		
156 pick/stop account #	6		
157 pick/stop account #	6		
158 pick/stop account #	6		
159 pick/stop account #	6		
160 pick/stop account #	6		
161 pick/stop account #	6		

162			
163			
164			
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167			
168			
169			
170 pick /stop name	22		
171 pick /stop name	22		
172 pick /stop name	22		
173 pick /stop name	22		
174 pick /stop name	22		
175 pick /stop name	22		
176 pick /stop name	22		
177 pick /stop name	22		
178 pick /stop name	22		
179 pick /stop name	22		
180 pick /stop name	22		
181 pick /stop name	22		
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190 pick/stop address	22		
191 pick/stop address	22		
192 pick/stop address	22		
193 pick/stop address	22		
194 pick/stop address	22		
195 pick/stop address	22		
196 pick/stop address	22		
197 pick/stop address	22		
198 pick/stop address	22		
199 pick/stop address	22		
200 pick/stop address	22		
201 pick/stop address	22		
202			
203			
204			
205 Customer Email	60		
206 carrier email	60		
207 pickup email	60		
208 consignee email	60		
209 Notification Email	60		Email address will receive email notification of successful add or update
210 pick/stop city	20		
211 pick/stop city	20		
212 pick/stop city	20		
213 pick/stop city	20		
214 pick/stop city	20		
215 pick/stop city	20		
216 pick/stop city	20		

217 pick/stop city	20		
218 pick/stop city	20		
219 pick/stop city	20		
220 pick/stop city	20		
221 pick/stop city	20		
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225			
226			
227			
228			
229			
230 pick/stop state	2		
231 pick/stop state	2		
232 pick/stop state	2		
233 pick/stop state	2		
234 pick/stop state	2		
235 pick/stop state	2		
236 pick/stop state	2		
237 pick/stop state	2		
238 pick/stop state	2		
239 pick/stop state	2		
240 pick/stop state	2		
241 pick/stop state	2		
242			
243			
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245			
246			
247			
248			
249			
250 pick/stop zip	6		
251 pick/stop zip	6		
252 pick/stop zip	6		
253 pick/stop zip	6		
254 pick/stop zip	6		
255 pick/stop zip	6		
256 pick/stop zip	6		
257 pick/stop zip	6		
258 pick/stop zip	6		
259 pick/stop zip	6		
260 pick/stop zip	6		
261 pick/stop zip	6		
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268			
269			
270 pick/stop phone	14		
271 pick/stop phone	14		
272 pick/stop phone	14		

273 pick/stop phone	14		
274 pick/stop phone	14		
275 pick/stop phone	14		
276 pick/stop phone	14		
277 pick/stop phone	14		
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280 pick/stop phone	14		
281 pick/stop phone	14		
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290 pick/stop pieces	5		
291 pick/stop pieces	5		
292 pick/stop pieces	5		
293 pick/stop pieces	5		
294 pick/stop pieces	5		
295 pick/stop pieces	5		
296 pick/stop pieces	5		
297 pick/stop pieces	5		
298 pick/stop pieces	5		
299 pick/stop pieces	5		
300 pick/stop pieces	5		

301 pick/stop pieces	5		
302			
303			
304			
305			
306			
307			
308			
309			
310 pick/stop weight	6		
311 pick/stop weight	6		
312 pick/stop weight	6		
313 pick/stop weight	6		
314 pick/stop weight	6		
315 pick/stop weight	6		
316 pick/stop weight	6		
317 pick/stop weight	6		
318 pick/stop weight	6		
319 pick/stop weight	6		
320 pick/stop weight	6		
321 pick/stop weight	6		
322			
323			
324			
325			
326			
327			
328			

329			
330 Pick/Stop ref#	18		
331 Pick/Stop ref#	18		
332 Pick/Stop ref#	18		
333 Pick/Stop ref#	18		
334 Pick/Stop ref#	18		
335 Pick/Stop ref#	18		
336 Pick/Stop ref#	18		
337 Pick/Stop ref#	18		
338 Pick/Stop ref#	18		
339 Pick/Stop ref#	18		
340 Pick/Stop ref#	18		
341 Pick/Stop ref#	18		
342			
343			
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345			
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347			
348			
349			
350 pick/stop appt time	5		
351 pick/stop appt time	5		
352 pick/stop appt time	5		
353 pick/stop appt time	5		
354 pick/stop appt time	5		
355 pick/stop appt time	5		

356 pick/stop appt time	5		
357 pick/stop appt time	5		
358 pick/stop appt time	5		
359 pick/stop appt time	5		
360 pick/stop appt time	5		
361 pick/stop appt time	5		
362			
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369			
370 Pick/Stop appt Date	8		
371 Pick/Stop appt Date	8		
372 Pick/Stop appt Date	8		
373 Pick/Stop appt Date	8		
374 Pick/Stop appt Date	8		
375 Pick/Stop appt Date	8		
376 Pick/Stop appt Date	8		
377 Pick/Stop appt Date	8		
378 Pick/Stop appt Date	8		
379 Pick/Stop appt Date	8		
380 Pick/Stop appt Date	8		
381 Pick/Stop appt Date	8		
382			
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386			
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388			
389			
390 Pick Stop Hours	9		
391 Pick Stop Hours	9		
392 Pick Stop Hours	9		
393 Pick Stop Hours	9		
394 Pick Stop Hours	9		
395 Pick Stop Hours	9		
396 Pick Stop Hours	9		
397 Pick Stop Hours	9		
398 Pick Stop Hours	9		
399 Pick Stop Hours	9		
400 Pick Stop Hours	9		
401 Pick Stop Hours	9		
402 scac code	4		
403 Mode	10		
404 LH Carrier Pay	8		
405 Expense Type	4		
406 Expense Type	4		
407 Expense Type	4		
408 Expense Type	4		
409 Carrier pay	8		
410 Carrier pay	8		
411 Carrier pay	8		

412 Carrier pay	8		
413 NMFC Classification	5		
414			
415			
416			
417			
418			
419			
420 weight	6		
421 weight	6		
422 weight	6		
423 weight	6		
424 weight	6		
425 weight	6		
426 weight	6		
427 weight	6		
428 weight	6		
429 weight	6		
430 class	5		
431 class	5		
432 class	5		
433 class	5		
434 class	5		
435 class	5		
436 class	5		
437 class	5		
438 class	5		
439 class	5		

440 pallets	2		
441 pallets	2		
442 pallets	2		
443 pallets	2		
444 pallets	2		
445 pallets	2		
446 pallets	2		
447 pallets	2		
448 pallets	2		
449 pallets	2		
450 pieces	6		
451 pieces	6		
452 pieces	6		
453 pieces	6		
454 pieces	6		
455 pieces	6		
456 pieces	6		
457 pieces	6		
458 pieces	6		
459 pieces	6		
460 product code	15		
461 product code	15		
462 product code	15		
463 product code	15		
464 product code	15		
465 product code	15		
466 product code	15		
467 product code	15		



468 product code	15		
469 product code	15		
470 haz mat	1		
471 haz mat	1		
472 haz mat	1		
473 haz mat	1		
474 haz mat	1		
475 haz mat	1		
476 haz mat	1		
477 haz mat	1		
478 haz mat	1		
479 haz mat	1		
480 desc	40		
481 desc	40		
482 desc	40		
483 desc	40		
484 desc	40		
485 desc	40		
486 desc	40		
487 desc	40		
488 desc	40		
489 desc	40		
490 Accessorial Code	4	Uppercase	Must exist in Aljex Accessorial Types file
491 Accessorial Customer Rate	8	Decimal	
492			
493			
494			
495			

496			
497			
498			
499			
500 Accessorial Code	4	Uppercase	Must exist in Aljex Accessorial Types file
501 Accessorial Customer Rate	8	Decimal	
502			
503			
504			
505			
506			
507			
508			
509			
510 accessorial charge rate	8		
511 accessorial charge rate	8		
512			
513			
514			
515			
516			
517			
518			
519			
520 Accessorial Code	4	Uppercase	Must exist in Aljex Accessorial Types file
521 Accessorial Customer Rate	8	Decimal	

RESPONSE RECORD:

File mapping specification

(Tab delimited, one record per line per transaction, no carriage return, no line feed)

Field Number/Name	Length	Format	Notes
1 Result Code	1	Numeric	0 = Errors in submit transaction 1 = Transaction successful
2 Action Code	1	Alphanumeric	Will return "A" (add)
3 Result Description	999	Alphanumeric	If Result code = 1, this field will contain the pro number assigned to the transaction If Result code = 0, a description of the error will be supplied in this field