
cdemo-api-doc Documentation

Release

cdemo

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Contents

1	Record API	1
1.1	Setup API Account	1
1.2	API End Points	1
1.3	API Methods	1
1.4	Retrieve Unique Record ID's (Inspection ID's)	1
1.5	Retrieve Record Details	3
1.6	Retrieve Records (Single Call)	4
2	API Sample Returns (JSON)	5
2.1	Sample Return for Retrieve Unique Record ID's (Inspection ID's)	5
2.2	Sample Return for Record Details	5
2.3	Record Attributes	6
2.4	Chrome Equipment	6
2.5	cDemo Record	7
2.6	Chrome Consumer Info	8
2.7	Chrome Options	9
2.8	Inspection Points	10
2.9	Sample Return for Records.	12

1.1 Setup API Account

- Please contact cDemo support

1.2 API End Points

Production	http://api.cdemo.com/api/latest/
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1.3 API Methods

1.4 Retrieve Unique Record ID's (Inspection ID's)

Method records (**HTTP METHOD: GET**)

Type of query inspection_ids

Return Type JSON string of matched inspection IDs

Example https://test.cdemo.com/api/latest/records/inspection-ids?access_token=xxxxx&status=1

Parameters	Is Mandatory	Notes
Token	Yes	a access token is required for all of the API's request
user_id	No	cDemo username
party_id	No	cDemo party_id
date_from	No	start date of record created in milliseconds (the difference, measured in millisecond, between the current time and midnight, January 1,1970 UTC)
date_to	No	start date of record created in milliseconds (the difference, measured in millisecond, between the current time and midnight, January 1,1970 UTC)
update_date_from	No	start date of record UPDATED date in milliseconds (the difference, measured in millisecond, between the current time and midnight, January 1,1970 UTC)
update_date_to	No	start date of record UPDATED date in milliseconds (the difference, measured in millisecond, between the current time and midnight, January 1,1970 UTC)
cat_id	No	See Below
status	No	status code: 0 - In-Progress, 1 - Available and 2 - Archived
vin_decode_status	No	See Below
make	No	make of automobile record.
model	No	model of automobile record.
year	No	manufactured year of automobile record

vin_decode_status Status and Explanation:

- I: Indicates VIN Decoding is in progress.
- ER: VIN was probably valid, but decoding failed for other reason (usually bad data return / unable to decode from Chrome)
- IV: Indicates non-Valid VIN and VIN-Decoding not used. This will occur if VIN is incorrect or if it is a pre-1981 VIN
- SC: Is normal status indicating valid-VIN and good Decode

cat_id Status and Explanation:

- 2: New Automobile
- 3: Used Automobile
- 1009: Motorcycle
- 1060: ATVs & UTVs
- 1061: Campers
- 1062: RVs
- 1063: Trailers
- 1064: Snowmobiles

Sample Usage

Token	token=xxxxxx
user_id	user_id=cdemotest
party_id	party_id=10
date_from	date_from=1372060916
date_to	date_to=1372061234
update_date_from	update_date_from=1372060916
update_date_to	update_date_to=1372061234
cat_id	cat_id=2
type_id	type_id=3
status	status=1,2
vin_decode_status	vin_decode_status=SC
make	make=Mitsubishi
model	model=Outlander
year	year=2016

Query for inspection_ids:

If inspection_id parameter is missing from the request, Records APIs will try to query inspections IDs as defined by other

You can pass one or more of these query parameters to cDemo system. The default filter is the party_id associated with the access token. Currently cDemo system has limited the returned inspection_ids to 1,000 for each query (latest records first). To use this query API efficiently, please supply as much parameters as you can.

1.5 Retrieve Record Details

All queries sent to backend:

Method records (**HTTP METHOD: GET**)

Type of query Record Data

Return Type JSON string of matched records.

Example https://test.cdemo.com/api/latest/records?access_token=xxxx&inspection_id=xxxx,xxxx&lang=EN,FR

The interface of BackEnd works with the principle RESTfull

Param-eters	Is Manda-tory	Notes
Token	Yes	a access token is required for all of the API's request
inspec-tion_id	No	inspection_id of record. To pull multiple records on a single API call, concatenate inspection ID's with comma such as inspection_id1, inspection_id2
vin_code	No	vin code of vehicle. To pull multiple records on a single API call, concatenate vin codes with comma(,) such as vin_code_1 ,vin_code_2
lang	No	language flag such as lang=EN or lang=EN,FR

Sample Usage

Token	token=xxxxxx
inspection_id	inspection_id=inspection_id= 20140120cfwejboi, 20140120bwtmncis
vin_code	vin_code=3C6TRVAG4EE103634, KM8JT3AB1DU752443
lang	lang=EN,FR

1.6 Retrieve Records (Single Call)

Method records (HTTP METHOD: GET)

Type of query paginated records.

Return Type JSON string of matched records.

Example https://test.cdemo.com/api/latest/inventories?access_token=xxxxx

vin_decode_status Status and Explanation:

- I: Indicates VIN Decoding is in progress.
- ER: VIN was probably valid, but decoding failed for other reason (usually bad data return / unable to decode from Chrome)
- IV: Indicates non-Valid VIN and VIN-Decoding not used. This will occur if VIN is incorrect or if it is a pre-1981 VIN
- SC: Is normal status indicating valid-VIN and good Decode

cat_id Status and Explanation:

- 2: New Automobile
- 3: Used Automobile
- 1009: Motorcycle
- 1060: ATVs & UTVs
- 1061: Campers
- 1062: RVs
- 1063: Trailers
- 1064: Snowmobiles

Sample Usage

Token	token=xxxxxx
user_id	user_id=cdemotest
party_id	party_id=10
date_from	date_from=1372060916
date_to	date_to=1372061234
update_date_from	update_date_from=1372060916
update_date_to	update_date_to=1372061234
cat_id	cat_id=2
type_id	type_id=3
status	status=1,2
vin_decode_status	vin_decode_status=SC
make	make=Mitsubishi
model	model=Outlander
year	year=2016
page	page=1

API Sample Returns (JSON)

2.1 Sample Return for Retrieve Unique Record ID's (Inspection ID's)

Sample Return for querying inspection IDs:

```
{
  "status":0,"message":"","content":
  ["20131126kwsqgnnis","20131126lxhmobvx","20131125gguuulwg","20131122pbrjcrii",
  "20131122uumxpitu","20131121nffiosmx","20131121uxntydkq","20131121yeudydnp",
  →"20131121ywlswood","20131119ycdkfoyyq",
  "20131119bevlkucl","20131119sgqkbdey","20131118owootgmb","20131115fycqfndt",
  →"20131114grfnulmv","20131112pmmwutyb",
  "20131107jkpiokjy","20131106nmiykxjl","20131106njjlwwgo"]
}
```

2.2 Sample Return for Record Details

Querying the record details API will return a large json response. The response is mapped into 6 sections:

- Record Attributes
- Chrome Equipments
- Chrome Options
- Inspection Points
- Chrome Consumer Info
- cDemo Record

Please use the navigator on the left to go to the section you are looking for.

2.3 Record Attributes

```
{
  "record_attributes":

  "attribute_key": "VIN",
  "language": "EN",
  "attribute_value": "1GCEC14W1VZ159730"
}
```

Sample Snipit of of the JSON return

Attribute	Key	Sample Value
VIN	VIN	1GCEC14W1VZ159730
Stock Number	STOCK_NUMBER	E12531
Vehicle Year	VEH_YEAR	2009
Vehicle Make	VEH_MAKE	Chevrolet
Vehicle Model	VEH_MODEL	Silverado 1500HD
Engine	VEH_ENGINE	V6 Cylinder Engine
Engine Displacement	ENGINE_DISP	4.3
Engine Cylinders	CYLINDERS	6
Horse Power	HORSE_POWER	325
Fuel Type	FUEL_TYPE	Gasoline
Transmission Spd	VEH_TRANS	6-Speed A/T
Drivetrain	VEH_DRIVETRAIN	Rear Wheel Drive
Exterior Color	VEH_EXT_COLOR	White[50U,Summit White]
Interior Color	VEH_INT_COLOR	Gray
Body Style	VEH_BODY	2 Door Pickup
Chrome Style	CHROME_STYLE	Reg Cab 131.5" WB
Chrome Style ID	CHROME_STYLE_ID	103562
Vehicle Series	VEH_SERIES	
Vehicle Trim	VEH_TRIM	base
Odometer KM	ODOMETER_KM	1535
Odometer Miles	ODOMETER_MILE	0
Odometer Reading	ODOMETER_READING	1535
Odometer Type	ODOMETER_TYPE	Miles
Fuel Economy Units	FUEL_ECONOMY_UNIT	MPG
Fuel Economy City	FUEL_ECONOMY_CITY	16.0 - 17.0
Fuel Economy Highway	FUEL_ECONOMY_HWY	21.0 - 22.0
# of Passenger Doors	PASSENGER_DOORS	2
Comments	LISTING_COMMENT	This is a test comment
Seating Capacity	SEAT_CAPACITY	2
Certified Program	CERTIFIED_PROGRAM	
Vin Decode Status	VIN_DECODE_STATUS	SC

2.4 Chrome Equipment

```
{
  "chrome equipments":

  "lang": "EN",
```

```

    "header_name": "MECHANICAL",
    "description": "4.3L (262) SFI V6 (Vortec) engine"

    "lang": "EN",
    "header_name": "MECHANICAL",
    "description": "5-speed manual transmission w/OD"

    "lang": "EN",
    "header_name": "EXTERIOR",
    "description": "Daytime running lamps"
}

```

Header Name	Description
Mechanical	4.3L (262) SFI V6 (Vortec) engine
	5-speed manual transmission w/OD
	Rear wheel drive
	HD 600 CCA 12-volt battery
	100 amp alternator
Exterior	Dark argent air dam
	Singular rectangular halogen headlamps
	Daytime running lamps
	Solar-Ray tinted glass (all windows)
	Removable tailgate with W/T decal
Interior	Scotchgard Fabric Protector on all cloth surfaces
	Simulated leather steering wheel
	Heater/defogger w/side window defoggers
	Dual dash cupholders
	Cigarette lighter
Safety Features	Four-wheel anti-lock brake system
	Front outboard shoulder belt height adjusters
	Head restraints, front seat
	Daytime running lamp
	Side door guard beams

2.5 cDemo Record

```

{
    "cdemo_record":
    "lang": "EN",
    "photo_count": 7,
    "create_date": "Sep 29, 2017 6:19:44 PM",
    "days_in_inventory": 0,
    "last_mod_by": "",
    "status_code": 1,
}

```

Key	Value
record_id	65325943
lang	EN
photo_count	7
title	1997 Chevrolet C/K 1500 Work

Table 2.2 – continued from previous page

days_in_inventory	24
calculate_inventory_date	Sep 29, 2017 6:23:10 PM
status_code	1
primary_photo_url	http://static.cdemo.com/65325943/1024/automobiles-used-1997-chevrolet-ck-1500-work-1364383-prima
primary_photo_thumbnail	http://static.cdemo.com/65325943/150/automobiles-used-1997-chevrolet-ck-1500-work-1364383-prima
urls_for_360_image	http://static.cdemo.com/65325943/150/automobiles-used-1997-chevrolet-ck-1500-work-1364383-prima
youtube_watch_url	http://www.youtube.com/v/None
youtube_embed_url	http://www.youtube.com/embed/None
date_feed_id	1
youtube_video_id	null
record_type	Basic Listing
country_code	US
region	UT
city	Murray
detail_page_url	http://live.cdemo.com/SD/idZ20170929bbcwwtkc/
qr_code_url	http://static.cdemo.com/20170929bbcwwtkc/qr100.png
listing_currency	USD
sale_price	27980
listing_price	0
msrp	25000
whole_sale_price	0
invoice_price	0
category	Used Auto
submit_date	Sep 29, 2017 6:23:10 PM
create_by	nroberts
last_mod_by	wrobert
create_date	Sep 29, 2017 6:19:44 PM
workflow_id	3477
party_id	20301
condition_id	2
auto_generated_flag	false
style_id	8

2.6 Chrome Consumer Info

```
{
  "chrome_consumer_info":
    "info_value": "3",
    "lang": "EN",
    "info_type": "Warranty",
    "info_name": "Basic Years"
}
```

Info Type	Info Name	Info Value
War-ranty	Basic Years	3
War-ranty	Basic Miles/km	36,000
War-ranty	Basic Note	No Deductible Supplemental Inflatable Restraint - 3 years/36,000 miles
War-ranty	Emissions Note	Emission component coverage - Varies by geographical region.
War-ranty	Roadside Assistance Note Basic Years	Roadside Basic Care Assistance Program includes - Toll Free Assistance # 1-800-CHEV-USA Free Towing to nearest Chevy Dealer Reasonable cost Wrecker...

2.7 Chrome Options

Client_confirmed, pkg_flag, installed_flag and standard_flag will always be true/false answers.

```
{  
  "chrome_options":  
    "lang": "EN",  
    "client_confirmed": false,  
    "header_name": "BODY CODE",  
    "description": "FLEETSIDE BODY",  
    "pkg_includes": "",  
    "pkg_flag": false,  
    "installed_flag": false,  
    "standard_flag": true  
}
```

Header Name	Description	Package Includes
BODY CODE	FLEETSIDE BODY	
MODEL OPTION	WORK TRUCK PKG	
GVWR	6100# GVWR	
EMISSIONS	FEDERAL EMISSIONS	
	NEW YORK/MASSACHUSETTS EMISSIONS	
	CALIFORNIA EMISSIONS	
	FEDERAL EMISSION OVERRIDE	
ENGINE	4.3L (262) SFI V6 (VORTEC) ENGINE	
TRANSMISSION	5-SPEED MANUAL TRANSMISSION W/OD	
DIFFERENTIAL	LOCKING DIFFERENTIAL NOT DESIRED	
	LOCKING DIFFERENTIAL	
AXLE	3.08 AXLE RATIO	
	3.42 AXLE RATIO	
DECOR	WORK TRUCK DECOR	-inc: base vehicle only
PREFERRED EQUIPMENT GROUP	PREFERRED EQUIPMENT GROUP 1	-inc: work truck decor
	1SW PREFERRED EQUIPMENT GROUP SAVINGS	
FRONT TIRES	P235/75R15 SBR BSW ALL-SEASON FRONT TIRES	
REAR TIRES	P235/75R15 SBR BSW ALL-SEASON REAR TIRES	
SPARE TIRE	P235/75R15 SBR BSW ALL-SEASON SPARE TIRE	
SEAT TYPE	FRONT BENCH SEAT	
SEAT TRIM	VINYL SEAT TRIM	
PAINT	SOLID PAINT	
AIR CONDITIONING	AIR CONDITIONING NOT DESIRED	
ADDITIONAL OPTIONS	MULTIPLE ORDER ACKNOWLEDGEMENT	
	UNDER-RAIL BEDLINER	
	ENGINE HOUR METER	

2.8 Inspection Points

```
{
  "inspection_points":
    "blank_photo_flag": false,
    "language": "EN",
    "question_text": "Do you want to use the default value for Listing Type?",
    "last_mod_date": "Sep 29, 2017 6:22:05 PM",
    "stage_text": "Listing Information",
    "photo_point_flag": false,
    "damage_flag": false,
    "stage_order": 1,
    "secondary_question_type_id": 0,
    "option_flag": false,
    "stock_photo_flag": false,
    "answer_parent": "",
    "photo_available_flag": false,
    "question_order": 1,
```

```

"answer": "NO",
"video_point_flag": false,
"parent_question_id": 0,
"question_type_id": 2765,
"question_text_short": "Change Default Listing Type",
"question_id": 5802

"original_photo_url": "http://static.cdemo.com/65325943/1506709202849.jpg",
"stage_text": "Vehicle Information",
"photo_point_flag": true,
"stage_order": 2,
"answer_parent": "",
"photo_available_flag": true,
"damage_flag": false,
"photo_processed": 1,
"question_type_id": 1,
"blank_photo_flag": false,
"seo_photo_name": "automobiles-used-1997-chevrolet-ck-1500-work-1364383-primary-
↪listing-photo-Image.jpg",
"question_text": "PRIMARY PHOTO. Turn your Device horizontal to the left and take_
↪photo.",
"video_point_flag": false,
"question_order": 5,
"answer": "",
"secondary_question_type_id": 0,
"option_flag": false,
"stock_photo_flag": false,
"parent_question_id": 0,
"question_text_short": "Primary Listing Photo",
"photo_url": "http://static.cdemo.com/65325943/1024/automobiles-used-1997-
↪chevrolet-ck-1500-work-1364383-primary-listing-photo-Image.jpg",
"last_mod_date": "Sep 29, 2017 6:23:12 PM",
"language": "EN",
"photo_uploaded": 1,
"question_id": 1
}

```

2.8.1 To Extract Photos

Key	Value
ques- tion_text_short	Primary Listing Photo
origi- nal_photo_url	http://static.cdemo.com/65325943/1506709202849.jpg
photo_url	http://static.cdemo.com/65325943/1024/ automobiles-used-1997-chevrolet-ck-1500-work-1364383-primary-listing-photo-Image.jpg
seo_photo_name	automobiles-used-1997-chevrolet-ck-1500-work-1364383-primary-listing-photo-Image.jpg

2.8.2 To Extract Vehicle Info

Key	Value
question_text_short	Odometer Type
answer	Miles

2.9 Sample Return for Records.

Querying the paginated records API will return a large json response.

```
{
  "status": 200,
  "timestamp": "2017-10-27T12:10:26.524",
  "message": "Successful",
  "content": [
    {
      "links": {
        "next": "https://uat.cdemo.com/api/api/latest/inventories?access_
↪token=xxxxxx&page=2",
        "prev": null,
        "total_results": 1343
      },
      "paginated_results": [
        {
          "inspection_id": "20150902cwtuvoeq",
          "cdemo_record": {},
          "record_attributes": [],
          "inspection_points": [],
          "chrome_options": [],
          "chrome equipments": [],
          "chrome_consumer_infos": []
        },
        ...
      ]
    }
  ]
}
```

These objects return the same formats response as Record Details API.

- Record Attributes
- Chrome Equipments
- Chrome Options
- Inspection Points
- Chrome Consumer Info
- cDemo Record