Authentication

Every request must include an "Authorization: Bearer TOKEN" header, where TOKEN is a valid/active JSON web token (JWT) generated in the provider's user account at https://www.r3dashboard.org/tokens (production) or https://www.r3dashstag.org/tokens (staging), as appropriate.

Create Sale Endpoint

The Create Sale API endpoints are:

Staging: https://[state].r3dashstag.org/api/v1/sales

Production: https://[state].r3dashboard.org/api/v1/sales

The endpoint [state] subdomain should be replaced with the state for which data is being sent. For instance staging transactions for the state of Washington would be sent to https://washington.r3dashstag.org/api/v1/sales.

Requests should be **POST** requests.

All submissions should go to the staging endpoint until testing is completed and confirmed.

Format

The JSON layout for a Sales API request should be as follows:

```
"sale": {
  "state": "XX",
  "state_sales_id": "123456789",
  "purchase_date": "2021-01-25",
  "effective_date": "2021-01-25",
  "expiration_date": "2022-01-24",
  "license_id": "",
  "license": {
    "state_license_id": "HUNT1YR",
    "description": "1 year resident hunting license",
    "state_license_type": "H",
    "license_residency": "R",
    "duration": "1"
  },
  "customer_id": "",
  "customer": {
    "state_customer_id": "1393886",
    "dob": "1982-06-15",
    "gender": "M",
    "customer_residence": "YY"
  }
}
```

Additional information about the JSON layout is provided in the **Sales API Fields Specification** table at the end of this document.

Processing

Processing steps for a Sales API transaction will be:

1. Validate state to provider account
2. Check for duplicate sale record using `state_sale_id`
3. Retrieve or create R3 `license` object using provided license data
4. Retrieve or create R3 `customer` object using provided customer data
5. Validate provided `sale` field values
6. Create R3 `sale` object

Success Response

If a valid R3 `sale` object is created, the API will return an HTTP response status code of **201 (Created)** along with a JSON object of the created `sale` in the following format:

```
{
  "id": "1",
  "state_id": "1",
  "license_id": "1",
  "customer_id": "1",
  "purchase_date": "2021-01-25",
  "effective_date": "2021-01-25",
  "expiration_date": "2022-01-24",
  "sale_residency": "R",
  "state_license_id": "HUNT1YR",
  "state_customer_id": "1393886",
  "state_sales_id": "123456789",
  "created_at": "2021-08-12 14:12:32",
  "updated_at": "2021-08-12 14:12:32"
}
```

Where:

id	unique sale ID within the R3 application
state_id	unique state ID within the R3 application
license_id	unique license ID within the R3 application
customer_id	unique customer ID within the R3 application
created_at	the R3 record creation timestamp
updated_at	the R3 record update timestamp

All other fields in the response are mirroring back the stored values within R3 that were provided by the request.

Error Response

Duplicate Sale found

If a duplicate sale record is found in the R3 database, the API will return an HTTP response status code of **409 (Conflict)**.

Unable to Find License or Customer

If the request includes a `license_id` or `customer_id` and a matching license or customer cannot be found in the R3 database, the API will return an HTTP response status code of **424 (Failed Dependency)** along with a description of the problem encountered.

Unable to Create License, Customer, or Sale

If a valid R3 sale object is not created for any other reason, the API will return an HTTP response status code of **400 (Bad Request)** along with a description of the problem encountered.

Delete Endpoint

The Delete Sale endpoint is made available so that license sales created via the Create Sale endpoint and subsequently voided by the provider can be removed from the R3 database. The endpoint is limited to deleting sales created in the previous 45 days.

The Delete Sale API endpoints are:

Staging: https://[state].r3dashstag.org/api/v1/sales/[state_sale_id]

Production: https://[state].r3dashboard.org/api/v1/sales/[state_sale_id]

The endpoint [state] subdomain should be replaced with the state for which data is being sent. For instance staging transactions for the state of Washington would be sent to https://washington.r3dashstag.org/api/v1/sales.

The endpoint [state_sale_id] should be replaced with the state's unique id for the sale that was sent when the sale was created.

Requests should be **DELETE** requests.

All submissions should go to the staging endpoint until testing is completed and confirmed.

Processing

Processing steps for deleting a Sales API transaction will be:

1. Validate state to provider account
2. Check that the sale record exists using `state_sale_id`
3. Check that only one sales record matching `state_sale_id` exists
4. Delete R3 `sale` object
5. Record a void in R3 `voids` table

Success Response

If a matching R3 `sale` object is found and deleted, the API will return an HTTP response status code of **200 (Ok)**

Error Response

Unable to Find Sale

If a matching sale cannot be found in the R3 database, the API will return an HTTP response status code of **404 (Not Found)**.

Sale Date Out of Range

If a single sale is located but was created more than 45 days prior to the request to delete, the API will return an HTTP response status code of **409 (Conflict)** along with a description of the problem encountered.

Multiple Sales found

If more than one matching sale is found in the R3 database, the API will return an HTTP response status code of **409 (Conflict)** along with a description of the problem encountered.

Unable to Delete Sale

If the sale object can not be deleted for any other reason, the API will return an HTTP response status code of **400 (Bad Request)** along with a description of the problem encountered.

Sale API Fields Specification

Field	Description	Data Type	Required?	Notes
state	Two-character abbreviation of the state in which this sale took place	String	Y	Must exist in the `#abbreviation` field of a row in the `states` table; max length 2 chars
state_sales_id	The state's unique sales ID	String	Y	May be any combination of letters, numbers, symbols; max length 191 chars
purchase_date	The date of the transaction	Date	Y	Date string in YYYY-MM-DD format
effective_date	The effective date of the license purchased, as determined by the state	Date	Y	Date string in YYYY-MM-DD format
expiration_date	The expiration date of the license purchased, as determined by the state	Date	Y	Date string in YYYY-MM-DD format
license_id	The existing id of the license purchased within the R3 database, if known	String	N	May be any combination of letters, numbers, symbols; max length 191 chars If not known to the provider, exclude or leave blank and include a `LICENSE` object with the relevant information
license	The license information from the state for the license purchased	JSON Object	Y*	Required, if a `license_id` is not provided
state_license_id	The state's unique ID for the license purchased	String	Y	May be any combination of letters, numbers, symbols; max length 191 chars
description	The description of the license purchased	String	Y	Max length 191 chars
state_license_type	The state's license type recommendation for the license purchased	String	N	If provided, should be one of: "H" (hunting) "F" (fishing) "C" (combo) "O" (other) R3 administrators will make the final determination of license type for use in the R3dashboard application

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license_residency	The residency qualifier of the license purchased	String	Y	One of:
				   "R" (resident)
				   "N" (non-resident)
				   "NA" (not applicable)

duration	The duration, in years, of the license purchased	Integer	Y	Durations of 1 year or less should have a 1 in this field Lifetime durations should have a 99 in this field
customer_id	The existing id of the customer for this transaction within the R3 database, if known	String	N	May be any combination of letters, numbers, symbols; max length 191 chars If not known to the provider, exclude or leave blank and include a `CUSTOMER` object with the relevant information
customer	The customer information from the state for this transaction	JSON Object	Y*	Required, if a `customer_id` is not provided
state_customer_id	The state's unique ID for the customer for this transaction	String	Y	May be any combination of letters, numbers, symbols; max length 191 chars
dob	The date of birth for the customer for this transaction	Date	Y	Date string in YYYY-MM-DD format

gender	The gender for the customer for this transaction	String	Y	One of:
				   "M" (male)
				   "F" (female)
				   "O" (other)
				   "NA" (not applicable or not provided)

customer_residence	The two-character abbreviation of the state of residence for the customer for this transaction	String	Y	Max length 2 chars