



Technologies S.A.

## Manual de Desarrollo Switch Bancario

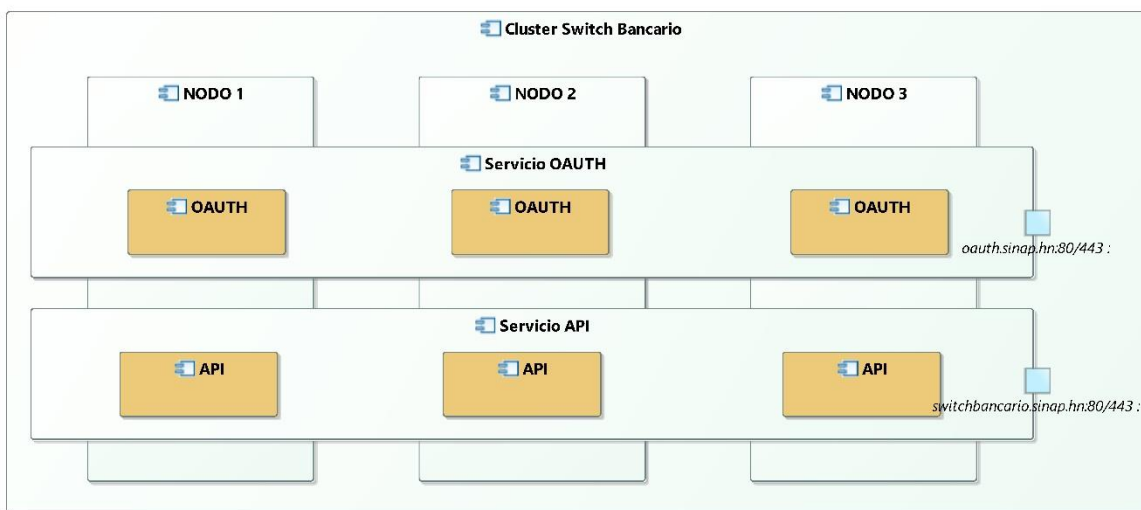
Tegucigalpa, M.D.C.  
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## Diagrama de Componentes

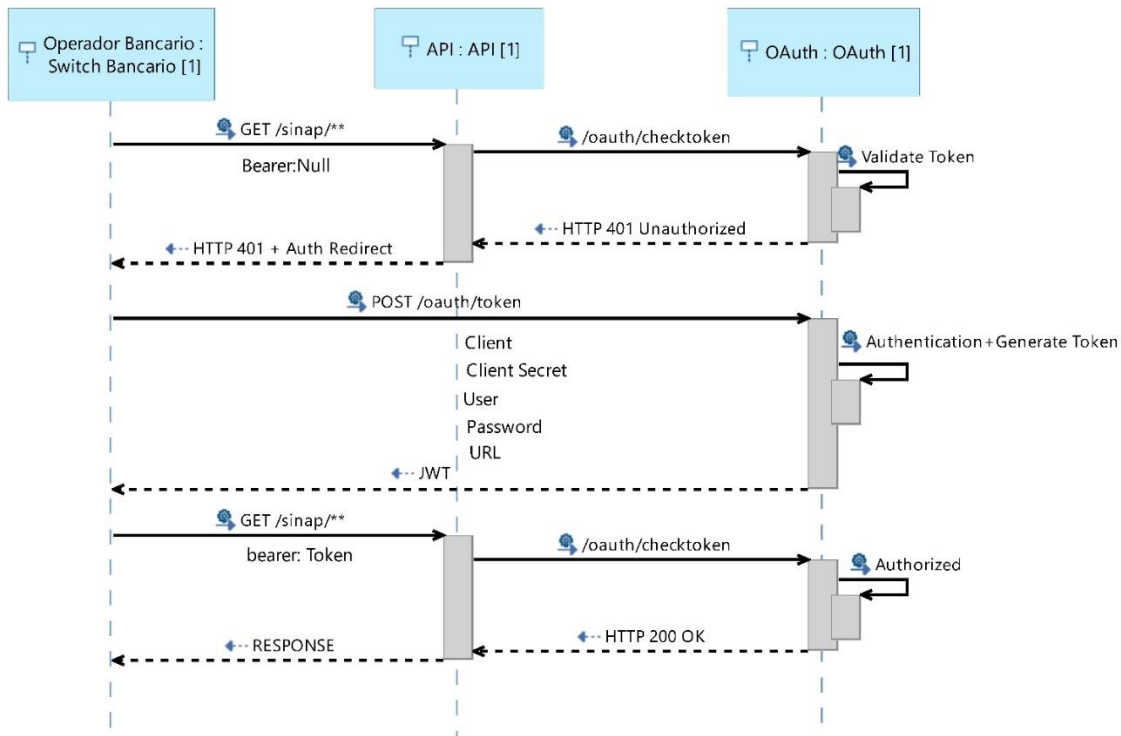


El switch bancario está diseñado con una arquitectura elástica en la nube lo que permitirá aumentar su capacidad en tiempo real según la demanda de tráfico. De cara al sistema bancario expondrá principalmente dos componentes.

El componente OAUTH es el encargado de gestionar los procesos de autenticación y autorización de los usuarios de esta plataforma, y está diseñado según la especificación del RFC 6749 (The OAuth 2.0 Authorization Framework).

El componente de API expone todas las interfases HTTP REST requeridas para gestionar las peticiones de consulta y actualización del sistema bancario hacia los sistemas de Registro Vehicular, Registro Propiedad Inmueble, Registro Mercantil y Propiedad Intelectual.

## Diagrama de Secuencia – Esquema general de autenticación y llamadas



## Seudocódigo General para Llamadas de los Operadores Bancarios

INICIO

```

REALIZA LLAMADO REST HACIA API /SINAP/** + ACCESS_TOKEN
RECIBE HTTP_STATUS DE RESPUESTA DEL API
SI HTTP_STATUS == 401 ENTONCES
    REALIZA LLAMADO REST HACIA OAUTH + CREDENCIALES + URL
    RECIBE HTTP_STATUS DE RESPUESTA DEL OAUTH
    SI HTTP_STATUS == 401 ENTONCES
        RETORNA ERROR DE AUTORIZACION
    FIN SI
    RECIBE ACCESS_TOKEN
    REALIZA LLAMADO REST HACIA API /SINAP/** + ACCESS_TOKEN
    RECIBE HTTP_STATUS DE RESPUESTA DEL API
    SI HTTP_STATUS == 401 ENTONCES
        RETORNA ERROR DE TOKEN_AUTORIZACION INVALIDO
    FIN SI
    RECIBE JSON DE RESPUESTA
SINO
    RECIBE JSON DE RESPUESTA
    
```

*FIN SI*

*RETORNA JSON*

*FIN*

## Trazas de llamados REST hacia API Mock de Switch Bancario

A continuación, se presentan el conjunto de capturas de tramas http hacia los servicios mock del API de switch bancario. La idea principal es que el programador pueda identificar el tipo y formato de la información que debe enviar en cada una de las peticiones.

Los llamados hacen referencia a dos endpoints: los endpoints **/sinap/sure** hacen referencia a los procesos para los sistemas de Registro de Propiedad Inmueble, Registro Mercantil y Registro de Propiedad Intelectual. Por otra parte, los endpoints **/sinap/rv** hacen referencia a los procesos para el sistema de Registro Vehicular.

## Autorización de Usuarios

### Petición.

```
curl -X POST -H "Authorization: Basic ZXhhbXBsZUNsaWVudDpleGFtcGxIU2VjcmV0"  
"http://193.122.183.127/oauth/token?grant_type=password&username=user&password=p  
ass123&url=sinap/v1"
```

**Traza.**

.POST

```
/oauth/token?grant_type=password&username=user&password=pass123&url=sinap/v1
```

## HTTP/1.1

Authorization: Basic ZXhhbXBsZUNsaWVudDpleGFtcGxlU2VjcmV0

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 30f6258c-f2dd-492b-af61-01c72907a4fc

Host: 193.122.183.127

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

Content-Length: 0

HTTP/1.1 200

## Cache-Control: no-store

## Pragma: no-cache

## X-Content-Type-Options: nosniff

X-XSS-Protection: 1; mode=block

X-Frame-Options: DENY

Content-Type: application/json;charset=UTF-8

## Transfer-Encoding: chunked

Date: Wed, 16 Dec 2020 22:04:28 GMT

Keep-Alive: timeout=60

Connection: keep-alive

3a9

```
{
  "access_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0sib2F1dGgyLXJlc291cmNlIiw0sInJlc291cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKIiwid3JpdGUuIiLCJ0cnVzdCI6InJlYWRfcHJvZmlsZV9pbmZvIl0sImV4cCI6MTYwODE5OTQ2OCwianRpIjoiaWJldiMTY4MTItMzAzZS00ZDBiLTgyNTItODVmMjliMGE1MzU0IiwiaY2xpZW50X2lkIjoiaXZhbXBsZUNsaWVudCJ9.DdlRtESKluJEqjQPUjSsXU1TwTATsBo40Dy3gr9rhp0",
  "token_type": "bearer",
  "refresh_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0sib2F1dGgyLXJlc291cmNlIiw0sInJlc291cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKIiwid3JpdGUuIiLCJ0cnVzdCI6InJlYWRfcHJvZmlsZV9pbmZvIl0sImV4cCI6MTYwODE5OTQ2OCwianRpIjoiaWJldiMTY4MTItMzAzZS00ZDBiLTgyNTItODVmMjliMGE1MzU0IiwiaY2xpZW50X2lkIjoiaXZhbXBsZUNsaWVudCJ9.PlguObAb86sF6k5SfBELSz_jjFJRxyVY9"
}
```



```
vOw1-V-taLw","expires_in":43199,"scope":"read write trust
read_profile_info","resourceId":"sinap/v1"
2d
,"jti":"27b16812-303e-4d0b-8252-85f29b0a5354"
1
}
0
```

## Consulta de Recibo Sistemas SURE

### Peticion.

```
curl -X GET -H "Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiI0sib2F1dGgyLXJlc291cmNII0sInJlc2
91cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUiLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTIzNTE4LjhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiOTYwZjZiN
jMtZWQ5Ny00MTRkLTgxNWQtOWRjM2RiN2NlZjQ3IiwiaY2xpZW50X2lkIjoiaXh0bXBsZUN
saWVudCJ9.mjo0lijCJwUN9Wc09N2OexP7StvZ5DKp4_So9R7bAmA"
"http://193.122.183.127/sinap/sure/consulta/mock?recibo=0012345&cola=SINAP01"
```

### Traza.

```
GET /sinap/sure/consulta/mock?recibo=0012345&cola=SINAP01 HTTP/1.1
Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiI0sib2F1dGgyLXJlc291cmNII0sIn
Jlc291cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUiLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTIzNTE4LjhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiOTYwZjZiN
jMtZWQ5Ny00MTRkLTgxNWQtOWRjM2RiN2NlZjQ3IiwiaY2xpZW50X2lkIjoiaXh0bXBsZUN
saWVudCJ9.mjo0lijCJwUN9Wc09N2OexP7StvZ5DKp4_So9R7
bAmA
User-Agent: PostmanRuntime/7.26.8
Accept: */*
Postman-Token: b60993bc-7125-4be8-8840-ebcf9bc02ab7
Host: 129.213.179.6
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
```

```
HTTP/1.1 200
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
```

Content-Type: application/json  
Transfer-Encoding: chunked  
Date: Mon, 14 Dec 2020 05:20:47 GMT  
Keep-Alive: timeout=60  
Connection: keep-alive

212

```
{ "fecha": "2020-12-14T05:20:47.901Z", "codigo": 200, "mensaje": "Recibo  
Encontrado", "cola": "SINAP01", "cargaUtil": [ { "numero": "0012345", "presentate": { "tipoIdentificacion": "RNP", "numeroIdentificacion": "0801197512459", "nombrePresentante": "CARLOS ANDRES TORRES PALACIOS" }, "notario": { "numeroInstrumento": "45698-2016", "fechaInstrumento": "2020-12-14T05:20:47.901+00:00", "nombreNotario": "JOSE CARLOS PEREZ PALMA", "execuatur": "78952642" }, "servicios": [ { "codigo": "001", "descripcion": "COMPR A VENTA", "total": 200 } ], "total": 200, "estado": "PENDIENTE" } ] }
```

0

```
2ff
{"fecha":"2020-12-15T01:01:07.938Z","codigo":200,"mensaje":"Vehiculo
Encontrado","cola":"SINAP02","cargaUtil":{"vin":"1C6RR7NM1GS405055","placa":"HA
I8102","marca":"DODGE","modelo":"RAM
```

1500","tipo":"PICKUP","axo":"2016","color":"AZUL","motor":"1C6RR7NM1GS405055",  
,"serie":"1C6RR7NM1GS405055","VIN":"1C6RR7NM1GS405055","cilindraje":3000,"pla  
caVieja":"PDF4546","carpeta":"CARPETA01","propietario":{"identificacion":"080180124  
76732","nombre":"LOPEZ MEJIA, CARLOS ROBERTO"},"arrendatario":"JUAN  
CARLOS PEREZ  
PACHECO","municipalidad":{"departamento":"08","municipio":"01"},"boleta":{"compro  
bante":"21426609750","numero":"1305663","circulacion":2018,"vence":"2020-12-  
15T01:01:07.938Z"},"resumenPagos":{"cantidadTraspasos":1,"cantidadCambiosPlaca":0,"  
cantidadMatriculas":0}}}  
0

```
{
  "fecha": "2020-12-14T04:43:20.645Z",
  "codigo": 200,
  "mensaje": "Transacciones Encontradas",
  "cola": "SINAP02",
  "cargaUtil": {
    "boleta": {
      "comprobante": "21426609750",
      "numero": "1305663",
      "circulacion": 2018,
      "vence": "2020-12-"
    }
  }
}
```



## Consulta Reposición

### Petición.

```
curl -X GET -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0sib2F1dGgyLXIjcz91cmNII0slnJlc291cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKlidid3JpdGUlLCJ0cnVzdCI6bnVzZXJfYWVRfcHJvZmlsZV9pbmZvll0sImFjdGl2ZSI6dHJ1ZSwiZXhwIjojOXAOTk0MzMzMzLCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSswianRpljoiNjEzOGlwN2MtODVmMC00ZmQzLTljYWltNDU3NDQxMzZkNDZhliwiY2xpZW50X2kljoiZXhhbXBsZUNsaVVudCJ9.4Sa54MgO5Stk6OsiQ7E-krMzGzknG9_5ymUlPlJlNTw" "http://193.122.183.127/sinap/rv/reposicion/placa/mock?placa=HA18102&numeroBoleta=1305663"
```

**Traza.**

```
GET /sinap/rv/reposicion/placa/mock?placa=HAI8102&numeroBoleta=1305663 HTTP/1.1
Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJsib2F1dGgyLXIjYmNlIl0sInJlc291cmNlSWQoiOiJaW5hcC92MSIsInVzZXJfbmFtZSI6ImVzZXUiLCJzY29wZSI6WyJyZWFKiIiwid3JpdGUilLCJ0cnVzdCI6bnVudCJ9.4Sa54MgO5STk6OsiQ7E-krMzMzGzknG9_5ymUIPjljNTw
User-Agent: PostmanRuntime/7.26.8
Accept: */*
Postman-Token: db04a7e1-1143-46ad-8472-34e25a4ebd5d
Host: 129.213.179.6
Accept-Encoding: gzip, deflate, br
Connection: keep-alive
```

```
HTTP/1.1 200
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Type: application/json
Transfer-Encoding: chunked
Date: Tue, 15 Dec 2020 01:05:20 GMT
Keep-Alive: timeout=60
Connection: keep-alive
```

```
89d
{"fecha":"2020-12-15T01:05:20.806Z","codigo":200,"mensaje":"Reposicion
Exitosa","transaccion":"2ca7ed09-6e79-47c5-886e-
```

```
94d7a1e006e2","cola":"SINAP02","cargaUtil":{"fechaGeneracion":"2020-12-15T01:05:20.805Z","vehiculo":{"vin":"1C6RR7NM1GS405055","placa":"HAI8102","marca":"DODGE","modelo":"RAM 1500","tipo":"PICKUP","axo":"2016","color":"AZUL","motor":"1C6RR7NM1GS405055","serie":"1C6RR7NM1GS405055","VIN":"1C6RR7NM1GS405055","cilindraje":3000,"placaVieja":"PDF4546","carpeta":"CARPETA01","propietario":{"identificacion":"08018012476732","nombre":"LOPEZ MEJIA, CARLOS ROBERTO"},"arrendatario":"JUAN CARLOS PEREZ PACHECO","municipalidad":{"departamento":"08","municipio":"01"},"boleta":{"comprobante":"21426609750","numero":"1305663","circulacion":2018,"vence":"2020-12-15T01:05:20.806Z"},"resumenPagos":{"cantidadTraspasos":1,"cantidadCambiosPlaca":0,"cantidadMatriculas":0},"transacciones":{"vehicular":{"tasa":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625},"multa":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625},"reparo":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625},"alcaldia":{"tasa":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625},"multa":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625},"reparo":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625},"sigloXXI":{"tasa":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625},"multa":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625},"reparo":{"debito":100.0999999999999994315658113919198513031005859375,"credito":0.1000000000000000055511151231257827021181583404541015625}},"valorPlaca":null,"totalAPagar":null}}}
```



## Consulta Comprobante.

### Petición.

```
curl -X GET -H "Authorization: Bearer  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJzib2F1dGgyLXJlc291cmNlIl0sInJlc2  
91cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKIi  
wid3JpdGUiLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh  
wljoxNjA3OTkxODc2LCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiMzY5ODFh  
hMWQtZTAyOS00YmJILWI2ZGEtYzZkZjZhYmFhZmlzliwiY2xpZW50X2lkIjoiZXhhbXBsZU  
NsaWVudCJ9.ENy7dAhvjhfRT4I7J_XhYQ8ASbmiKgWcDqioLR-yXL0"  
"http://193.122.183.127/sinap/rv/reposicion/comprobante/mock?comprobante=214266097  
50&numeroBoleta=1305663"
```

### Traza.

#### .GET

```
/sinap/rv/reposicion/comprobante/mock?comprobante=21426609750&numeroBoleta=1305  
663 HTTP/1.1
```

Authorization: Bearer

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJzib2F1dGgyLXJlc291cmNlIl0sIn  
Jlc291cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKIi  
wid3JpdGUiLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh  
wljoxNjA3OTkxODc2LCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiMzY5ODFh  
hMWQtZTAyOS00YmJILWI2ZGEtYzZkZjZhYmFhZmlzliwiY2xpZW50X2lkIjoiZXhhbXBsZU  
NsaWVudCJ9.ENy7dAhvjhfRT4I7J_XhYQ8ASbmiKgWcDqioLR-yXL0
```

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 8c6ed2b5-d6ec-4493-a400-35fc7d2274cc

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

HTTP/1.1 200

X-Content-Type-Options: nosniff

X-XSS-Protection: 1; mode=block

Cache-Control: no-cache, no-store, max-age=0, must-revalidate

Pragma: no-cache

Expires: 0

X-Frame-Options: DENY

Content-Type: application/json

Transfer-Encoding: chunked

Date: Tue, 15 Dec 2020 00:20:43 GMT

Keep-Alive: timeout=60

Connection: keep-alive

89d

```
{ "fecha": "2020-12-15T00:20:43.605Z", "codigo": 200, "mensaje": "Reposicion Exitosa", "transaccion": "8baec7ab-0085-4314-8509-cf5a74301d4d", "cola": "SINAP02", "cargaUtil": { "fechaGeneracion": "2020-12-15T00:20:43.605Z", "vehiculo": { "vin": "1C6RR7NM1GS405055", "placa": "HAI8102", "marca": "DODGE", "modelo": "RAM 1500", "tipo": "PICKUP", "axo": "2016", "color": "AZUL", "motor": "1C6RR7NM1GS405055", "serie": "1C6RR7NM1GS405055", "VIN": "1C6RR7NM1GS405055", "cilindraje": 3000, "placaVieja": "PDF4546", "carpeta": "CARPETA01", "propietario": { "identificacion": "08018012476732", "nombre": "LOPEZ MEJIA, CARLOS ROBERTO" }, "arrendatario": "JUAN CARLOS PEREZ PACHECO", "municipalidad": { "departamento": "08", "municipio": "01" }, "boleta": { "comprobante": "21426609750", "numero": "1305663", "circulacion": 2018, "vence": "2020-12-15T00:20:43.605Z" }, "resumenPagos": { "cantidadTraspasos": 1, "cantidadCambiosPlaca": 0, "cantidadMatriculas": 0 }, "transacciones": { "vehicular": { "tasa": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "multa": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "reparo": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "alcaldia": { "tasa": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "multa": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "reparo": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "sigloXXI": { "tasa": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "multa": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "reparo": { "debito": 100.09999999999999994315658113919198513031005859375, "credito": 0.10000000000000000055511151231257827021181583404541015625 }, "valorPlaca": null, "totalAPagar": null } } } }
```

0

```
{
  "fecha": "2020-11-11T20:08:05.478Z",
  "banco": {
    "cola": "SINAP01",
    "codigoBanco": 15015678790,
    "codigoAgencia": "080110",
  }
}
```

```
"codigoSucursal": "08011002",
"usuarioBanco": "JRAMIREZ",
"terminalBanco": "TTY001"
},
"recibo": {
"numero": "0002009984",
"presentate": {
"tipoIdentificacion": "RNP",
"numeroIdentificacion": "0801197512459",
"nombrePresentante": "Carlos Andres Torres Palacios"
},
"notario": {
"numeroInstrumento": "45698-2020",
"fechaInstrumento": "2014-05-30",
"nombreNotario": "Jose Carlos Perez Lopez",
"execuatur": 78952642
},
"servicios": [
{
"codigo": 1,
"descripcion": "COMPRA VENTA",
"total": 200
}
],
"total": 200,
"estado": "PENDIENTE"
}
}
```

HTTP/1.1 200

X-Content-Type-Options: nosniff

X-XSS-Protection: 1; mode=block

Cache-Control: no-cache, no-store, max-age=0, must-revalidate

Pragma: no-cache

Expires: 0

X-Frame-Options: DENY

Content-Type: application/json

Transfer-Encoding: chunked

Date: Mon, 14 Dec 2020 05:19:20 GMT

Keep-Alive: timeout=60

Connection: keep-alive

310

```
{"fecha":"2020-12-14T05:19:20.867Z","codigo":200,"mensaje":"Pago
Realizado","transaccion":"7ca5b177-e602-4a80-b16a-
c6cde3d96d05","cola":"SINAP01","cargaUtil":{"fecha":"2020-11-
11T20:08:05.478Z","banco":{"cola":"SINAP01","codigoBanco":"15015678790","codigoA
gencia":"080110","codigoSucursal":"08011002","usuarioBanco":"JRAMIREZ","terminalB
```

```
anco":"TTY001"}, "recibo": { "numero": "0002009984", "presentate": { "tipoIdentificacion": "R  
NP", "numeroIdentificacion": "0801197512459", "nombrePresentante": "Carlos Andres  
Torres Palacios" }, "notario": { "numeroInstrumento": "45698-  
2020", "fechaInstrumento": "2014-05-30T00:00:00.000+00:00", "nombreNotario": "Jose  
Carlos Perez  
Lopez", "execuatur": "78952642" }, "servicios": [ { "codigo": "1", "descripcion": "COMPRA  
VENTA", "total": 200 } ], "total": 200, "estado": "PENDIENTE" } } }  
0
```

## Reversión SURE

### Petición.

```
curl -X POST -H "Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJlb2F1dGgyLXJlc291cmNlIl0sInJlc2
91cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUlLCJ0cnVzdCIsInJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTIzMjY2LCJhdXRob3JpdGlscyI6WyJST0xFX1VTRVliXSwianRpljoiYWlzMjZjkzZ
GMtNWm5Yi00MzI5LTlkZTEtNTI2Y2NmYzNmNDk1IiwiaWF0Ij0iY2xpZW50X2lkIjoiaXhhdXBsZUN
saWVudCJ9.ANSA_PKOf8lkgQGRmLLOApIGdyXI2yovspQe5aH__is" -H "Content-Type:
application/json" -d '{"fecha": "2020-11-11T20:09:22.157Z", "transaccion": "3fa85f64-5717-
4562-b3fc-2c963f66afa6", "banco": {"cola": "SINAP01", "codigoBanco":
15015678790, "codigoAgencia": "080110", "codigoSucursal": "08011002", "usuarioBanco":
"JRAMIREZ", "terminalBanco": "TTY001"}}'
"http://193.122.183.127/sinap/sure/reversion/mock"
```

### Traza.

POST /sinap/sure/reversion/mock HTTP/1.1

Authorization: Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJlb2F1dGgyLXJlc291cmNlIl0sInJlc2
91cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUlLCJ0cnVzdCIsInJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTIzMjY2LCJhdXRob3JpdGlscyI6WyJST0xFX1VTRVliXSwianRpljoiYWlzMjZjkzZ
GMtNWm5Yi00MzI5LTlkZTEtNTI2Y2NmYzNmNDk1IiwiaWF0Ij0iY2xpZW50X2lkIjoiaXhhdXBsZUN
saWVudCJ9.ANSA\_PKOf8lkgQGRmLLOApIGdyXI2yovspQe5aH\_\_is

Content-Type: application/json

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 09c8ee98-4431-44fd-ba89-fd1842bc7eb5

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

Content-Length: 288

```
{
  "fecha": "2020-11-11T20:09:22.157Z",
  "transaccion": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
  "banco": {
    "cola": "SINAP01",
    "codigoBanco": 15015678790,
    "codigoAgencia": "080110",
    "codigoSucursal": "08011002",
    "usuarioBanco": "JRAMIREZ",
    "terminalBanco": "TTY001"
  }
}
```

```
}  
} HTTP/1.1 200  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Type: application/json  
Transfer-Encoding: chunked  
Date: Mon, 14 Dec 2020 05:18:00 GMT  
Keep-Alive: timeout=60  
Connection: keep-alive
```

```
19d  
{ "fecha": "2020-12-14T05:18:00.443Z", "codigo": 200, "mensaje": "Reversion  
Realizada", "transaccion": "aa1d5dc3-5187-45ab-babe-  
5a8b7999a323", "cola": "SINAP01", "cargaUtil": { "fecha": "2020-11-  
11T20:09:22.157Z", "transaccion": "3fa85f64-5717-4562-b3fc-  
2c963f66afa6", "banco": { "cola": "SINAP01", "codigoBanco": "15015678790", "codigoAgenci  
a": "080110", "codigoSucursal": "08011002", "usuarioBanco": "JRAMIREZ", "terminalBanco"  
: "TTY001" } } }  
0
```

## Cierre SURE

### Petición.

```
curl -X POST -H "Authorization: Bearer  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiI2F1dGgyLXJlc291cmNlIl0sInJlc2  
91cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli  
wid3JpdGUiLCJ0cnVzdCI6InJlYWRfcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh  
wljoxNjA3OTIzMjY2LCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiYWlzMjY2Z  
GMtNWm5Yi00MzI5LTlkZTEtNTI2Y2NmYzNmNDk1IiwiaWY2xpZW50X2lkIjoiaXh0bXBsZUN  
saWVudCJ9.ANSA_PKOf8lkgQGRmLLOApIGdyXI2yovspQe5aH__is" -H "Content-Type:  
application/json" -d '{"banco": {"cola": "SINAP01", "codigoBanco":  
15015678790, "codigoAgencia": "080110", "codigoSucursal": "08011002", "usuarioBanco":  
"JRAMIREZ", "terminalBanco": "TTY001"}, "totalTransacciones":  
100, "montoTransacciones": 30365.25}' "http://193.122.183.127/sinap/sure/cierre/mock "
```

### Traza.

POST /sinap/sure/cierre/mock HTTP/1.1

Authorization: Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiI2F1dGgyLXJlc291cmNlIl0sInJlc291cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKliwid3JpdGUiLCJ0cnVzdCI6InJlYWRfcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXhwljoxNjA3OTIzMjY2LCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiYWlzMjY2ZGMtNWm5Yi00MzI5LTlkZTEtNTI2Y2NmYzNmNDk1IiwiaWY2xpZW50X2lkIjoiaXh0bXBsZUNsaWVudCJ9.ANSA\_PKOf8lkgQGRmLLOApIGdyXI2yovspQe5aH\_\_is

Content-Type: application/json

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 8f304931-5f93-4b99-af0f-a756b58c5d5d

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

Content-Length: 254

```
{  
  "banco": {  
    "cola": "SINAP01",  
    "codigoBanco": 15015678790,  
    "codigoAgencia": "080110",  
    "codigoSucursal": "08011002",  
    "usuarioBanco": "JRAMIREZ",  
    "terminalBanco": "TTY001"  
  },  
  "totalTransacciones": 100,  
  "montoTransacciones": 30365.25  
} HTTP/1.1 200
```



X-Content-Type-Options: nosniff  
X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Type: application/json  
Transfer-Encoding: chunked  
Date: Mon, 14 Dec 2020 05:16:47 GMT  
Keep-Alive: timeout=60  
Connection: keep-alive

178

```
{"fecha":"2020-12-14T05:16:47.664Z","codigo":200,"mensaje":"Cierre  
Realizado","transaccion":"bebe8789-77fa-43e8-b4f3-  
f1a9b495cbeb","cola":"SINAP01","cargaUtil":{"banco":{"cola":"SINAP01","codigoBanco  
":"15015678790","codigoAgencia":"080110","codigoSucursal":"08011002","usuarioBanco  
":"JRAMIREZ","terminalBanco":"TTY001"},"totalTransacciones":100,"montoTransaccion  
es":30365.25}}
```

0

## Conciliación SURE

### Petición.

```
curl -X POST -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNII0sInJlc291cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKIiwid3JpdGUlLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXhwIjoxNjA3OTIzMDg5LCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiNTI1ZWZkNzktZDNhNS00ZGVlLThiNjltOTY4NDYzZTdlNTJiliwiY2xpZW50X2kljoiZXhhbXBsZUNsaWVudCJ9.Bp2xE_HPp22eEM8bt7y7d1XEnCLZdTdk7kKtcQRDLis" -H "Content-Type: application/json" -d '{"banco": {"cola": "SINAP01","codigoBanco": "15015678790","codigoAgencia": "080110","codigoSucursal": "08011002"},"usuarioBanco": "JRAMIREZ"},"terminalBanco": "TTY001"},"totalTransacciones": 100,"montoTransacciones": 30365.25}' "http://193.122.183.127/sinap/sure/conciliacion/mock"
```

**Traza.**

POST /sinap/sure/conciliacion/mock HTTP/1.1

Authorization: Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNII0sInJlc291cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKIiwid3JpdGUlLCJ0cnVzdCI6InJlYWRfcHJvZmlsZV9pbmZvIl0sImFjdG12ZSI6dHJ1ZSwiZXhwIjoxNjA3OTIzMdG5LCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSswianRpljoiNTI1ZWZkNzktZDNhNS00ZGVlLThiNjltOTY4NDYzZTd1NTJiIiwiaY2xpZW50X2lkIjoieXhhbXBsZUNsaWVudCJ9.Bp2xE\_HPp22eEM8bt7y7d1XEnCLZdTDK7kKtcQRDLis

Content-Type: application/json

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 44b24de7-69ab-492a-9315-e3fafa575684

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

Content-Length: 808

```
{
  "banco": {
    "cola": "SINAP01",
    "codigoBanco": 15015678790,
    "codigoAgencia": "080110",
    "codigoSucursal": "08011002",
    "usuarioBanco": "JRAMIREZ",
    "terminalBanco": "TTY001"
  },
  "transacciones": [
```

```
{
  "codigo": "3fa85f64-5717-4562-b3fc-2c963f66afa6",
  "fecha": "2020-11-11T19:59:56.298Z",
  "recibo": {
    "numero": "0002009984",
    "presentate": {
      "tipoIdentificacion": "RNP",
      "numeroIdentificacion": "0801197512459",
      "nombrePresentante": "Carlos Andres Torres Palacios"
    },
    "notario": {
      "numeroInstrumento": "45698-2020",
      "fechaInstrumento": "2014-05-30",
      "nombreNotario": "Jose Carlos Perez Lopez",
      "execuatur": 78952642
    },
    "servicios": [
      {
        "codigo": 1,
        "descripcion": "COMPRA VENTA",
        "total": 200
      }
    ],
    "total": 200,
    "estado": "PENDIENTE"
  }
}
]
} HTTP/1.1 200
X-Content-Type-Options: nosniff
X-XSS-Protection: 1; mode=block
Cache-Control: no-cache, no-store, max-age=0, must-revalidate
Pragma: no-cache
Expires: 0
X-Frame-Options: DENY
Content-Type: application/json
Transfer-Encoding: chunked
Date: Mon, 14 Dec 2020 05:14:22 GMT
Keep-Alive: timeout=60
Connection: keep-alive
```

```
e9
{"fecha":"2020-12-14T05:14:22.550Z","codigo":200,"mensaje":"Conciliacion
Realizada","transaccion":"bba077b6-e93a-4c14-b461-
bab47de89173","cola":"SINAP01","cargaUtil":{"banco":null,"totalTransacciones":null,"m
ontoTransacciones":null}}
0
```



## Pago Registro Vehicular

### Petición.

```
curl -X POST -H "Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNIII0sInJlc2
91cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUiLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTk1NjgzLCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiODVmMGY
1NzktZDNmOC00OWRkLTk0ODktYmU4N2RiNzcxNjg1IiwieY2xpZW50X2lkIjoieXhhbXBsZ
UNsaWVudCJ9.5-4eqc2xEVCSvoqIf0x5HVfAhfa3VD3YiLz0Rc7C5dE" -H "Content-Type:
application/json" -d '{"fecha": "2020-11-11T19:12:18.208Z","contribuyente":
{"tipoidentificacion": "RNP","numeroidentificacion":
"0801197512459","nombrePresentante": "Carlos Andres Torres Palacios"},"banco":
{"cola": "SINAP01","codigoBanco": 15015678790,"codigoAgencia":
"080110","codigoSucursal": "08011002","usuarioBanco": "JRAMIREZ","terminalBanco":
"TTY001"},"pagos": {"boleta": {"comprobante": 21426609750,"numero":
1305663,"circulacion": 2018,"vence": "2020-11-11T19:12:18.208Z"},"transacciones":
{"vehicular": {"tasa": {"debito": 0.01,"credito": 0.01},"multa": {"debito": 0.01,"credito":
0.01},"reparo": {"debito": 0.01,"credito": 0.01},"alcaldia": {"tasa": {"debito": 0.01,"credito":
0.01},"multa": {"debito": 0.01,"credito": 0.01},"reparo": {"debito": 0.01,"credito":
0.01},"sigloXXI": {"tasa": {"debito": 0.01,"credito": 0.01},"multa": {"debito": 0.01,"credito":
0.01},"reparo": {"debito": 0.01,"credito": 0.01},"valorPlaca": {"debito": 0.01,"credito":
0.01},"totalAPagar": {"debito": 0.01,"credito": 0.01}}}}'
"http://193.122.183.127/sinap/rv/pago/mock"
```

### Traza.

.POST /sinap/rv/pago/mock HTTP/1.1

Authorization: Bearer

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNIII0sInJlc2
91cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUiLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTk1NjgzLCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiODVmMGY
1NzktZDNmOC00OWRkLTk0ODktYmU4N2RiNzcxNjg1IiwieY2xpZW50X2lkIjoieXhhbXBsZ
UNsaWVudCJ9.5-4eqc2xEVCSvoqIf0x5HVfAhfa3VD3YiLz0Rc7C5dE
```

Content-Type: application/json

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 1a2d3fc7-ae9f-48ee-9a2d-0d62d094498c

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

Content-Length: 1231

```
{
  "fecha": "2020-11-11T19:12:18.208Z",
  "contribuyente": {
    "tipoIdentificacion": "RNP",
    "numeroIdentificacion": "0801197512459",
    "nombrePresentante": "Carlos Andres Torres Palacios"
  },
  "banco": {
    "cola": "SINAP01",
    "codigoBanco": 15015678790,
    "codigoAgencia": "080110",
    "codigoSucursal": "08011002",
    "usuarioBanco": "JRAMIREZ",
    "terminalBanco": "TTY001"
  },
  "pagos": {
    "boleta": {
      "comprobante": 21426609750,
      "numero": 1305663,
      "circulacion": 2018,
      "vence": "2020-11-11T19:12:18.208Z"
    },
    "transacciones": {
      "vehicular": {
        "tasa": {
          "debito": 0.01,
          "credito": 0.01
        },
        "multa": {
          "debito": 0.01,
          "credito": 0.01
        },
        "reparo": {
          "debito": 0.01,
          "credito": 0.01
        }
      },
      "alcaldia": {
        "tasa": {
          "debito": 0.01,
          "credito": 0.01
        },
        "multa": {
          "debito": 0.01,
          "credito": 0.01
        },
        "reparo": {
```

```
"debito": 0.01,  
"credito": 0.01  
},  
"sigloXXI": {  
"tasa": {  
"debito": 0.01,  
"credito": 0.01  
},  
"multa": {  
"debito": 0.01,  
"credito": 0.01  
},  
"reparo": {  
"debito": 0.01,  
"credito": 0.01  
}  
},  
"valorPlaca": {  
"debito": 0.01,  
"credito": 0.01  
},  
"totalAPagar": {  
"debito": 0.01,  
"credito": 0.01  
}  
}  
}  
}
```

HTTP/1.1 200

X-Content-Type-Options: nosniff

X-XSS-Protection: 1; mode=block

Cache-Control: no-cache, no-store, max-age=0, must-revalidate

Pragma: no-cache

Expires: 0

X-Frame-Options: DENY

Content-Type: application/json

Transfer-Encoding: chunked

Date: Tue, 15 Dec 2020 01:25:06 GMT

Keep-Alive: timeout=60

Connection: keep-alive

```
{ "fecha": "2020-12-15T01:25:06.081Z", "codigo": 200, "mensaje": "Pago Exitoso", "transaccion": "f145b9c7-805f-4d8f-a409-f64f8099f327", "cola": "SINAP01", "cargaUtil": { "vehiculo": { "vin": "1C6RR7NM1GS405055", "placa": "HAI8102", "marca": "DODGE", "modelo": "RAM 1500", "tipo": "PICKUP", "axo": "2016", "color": "AZUL", "motor": "1C6RR7NM1GS405055", "serie": "1C6RR7NM1GS405055", "VIN": "1C6RR7NM1GS405055", "cilindraje": 3000, "placaVieja": "PDF4546", "carpeta": "CARPETA01", "propietario": { "identificacion": "08018012476732", "nombre": "LOPEZ MEJIA, CARLOS ROBERTO" }, "arrendatario": "JUAN CARLOS PEREZ PACHECO", "municipalidad": { "departamento": "08", "municipio": "01" }, "boleta": { "comprobante": "21426609750", "numero": "1305663", "circulacion": 2018, "vence": "2020-12-15T01:25:06.081Z" }, "resumenPagos": { "cantidadTraspasos": 1, "cantidadCambiosPlaca": 0, "cantidadMatriculas": 0 }, "pagos": { "vehicular": { "tasa": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 }, "multa": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 }, "reparo": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 }, "alcaldia": { "tasa": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 }, "multa": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 }, "reparo": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 }, "sigloXXI": { "tasa": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 }, "multa": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 }, "reparo": { "debito": 100.099999999999994315658113919198513031005859375, "credito": 0.100000000000000005511151231257827021181583404541015625 } }, "valorPlaca": null, "totalAPagar": null } } }
```



## Pago Registro Vehicular por ROP

### Petición.

```
curl -X POST -H "Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNlIl0sInJlc2
91cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUiLCJ0cnVzdCIsInJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTk1NjgzLCJhdXRob3JpdGlscyI6WyJST0xFX1VTRVliXSwianRpljoiODVmMGY
1NzktZDNmOC00OWRkLTk0ODktYmU4N2RiNzcxNjg1IiwiaWF0Ij0iY2xpZW50X2lkIjoiaXhkbXBsZ
UNsaWVudCJ9.5-4eqc2xEVCSvoqlf0x5HVfAhfa3VD3YiLz0Rc7C5dE" -H "Content-Type:
application/json" -d '{"fecha": "2020-11-11T02:23:55.867Z", "periodo": 2018, "placa":
"HA18102", "contribuyente": {"tipoIdentificacion": "RNP", "numeroIdentificacion":
"0801197512459", "nombrePresentante": "Carlos Andres Torres Palacios"}, "banco":
{"cola": "SINAP01", "codigoBanco": 15015678790, "codigoAgencia":
"080110", "codigoSucursal": "08011002", "usuarioBanco": "JRAMIREZ", "terminalBanco":
"TTY001"}, "recibo": {"numero": 34534545, "fecha": "2020-11-11T02:23:55.867Z", "valor":
3150.25}, "pagos": {"vehicular": {"tasa": {"debito": 0.01, "credito": 0.01}, "multa": {"debito":
0.01, "credito": 0.01}, "reparo": {"debito": 0.01, "credito": 0.01}}, "alcaldia": {"tasa": {"debito":
0.01, "credito": 0.01}, "multa": {"debito": 0.01, "credito": 0.01}, "reparo": {"debito":
0.01, "credito": 0.01}}, "sigloXXI": {"tasa": {"debito": 0.01, "credito": 0.01}, "multa": {"debito":
0.01, "credito": 0.01}, "reparo": {"debito": 0.01, "credito": 0.01}}, "valorPlaca": {"debito":
0.01, "credito": 0.01}, "totalAPagar": {"debito": 0.01, "credito": 0.01}}}'
"http://193.122.183.127/sinap/rv/pago/rop/mock"
```

### Traza.

POST /sinap/rv/pago/rop/mock HTTP/1.1

Authorization: Bearer

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNlIl0sInJlc2
91cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUiLCJ0cnVzdCIsInJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTk1NjgzLCJhdXRob3JpdGlscyI6WyJST0xFX1VTRVliXSwianRpljoiODVmMGY
1NzktZDNmOC00OWRkLTk0ODktYmU4N2RiNzcxNjg1IiwiaWF0Ij0iY2xpZW50X2lkIjoiaXhkbXBsZ
UNsaWVudCJ9.5-4eqc2xEVCSvoqlf0x5HVfAhfa3VD3YiLz0Rc7C5dE
```

Content-Type: application/json

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 5225eba2-6485-4f8b-b505-b0423cd2e0de

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

Content-Length: 1907

{

"fecha": "2020-11-11T02:23:55.867Z",

```
"periodo": 2018,
"placa": "HAI8102",
"contribuyente": {
"tipoIdentificacion": "RNP",
"numeroIdentificacion": "0801197512459",
"nombrePresentante": "Carlos Andres Torres Palacios"
},
"banco": {
"cola": "SINAP01",
"codigoBanco": 15015678790,
"codigoAgencia": "080110",
"codigoSucursal": "08011002",
"usuarioBanco": "JRAMIREZ",
"terminalBanco": "TTY001"
},
"recibo": {
"numero": 34534545,
"fecha": "2020-11-11T02:23:55.867Z",
"valor": 3150.25
},
"pagos": {
"vehicular": {
"tasa": {
"debito": 0.01,
"credito": 0.01
},
"multa": {
"debito": 0.01,
"credito": 0.01
},
"reparo": {
"debito": 0.01,
"credito": 0.01
}
},
"alcaldia": {
"tasa": {
"debito": 0.01,
"credito": 0.01
},
"multa": {
"debito": 0.01,
"credito": 0.01
},
"reparo": {
"debito": 0.01,
"credito": 0.01
}
```



POST /sinap/rv/pago/rop/mock HTTP/1.1

Authorization: Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0sib2F1dGgyLXJlc291cmNI0sInJlc291cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKIiwid3JpdGUlLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJlZSwiZXhwIjoxNjA3OTk2MDIxLCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSswianRpljoiNzAxMjhjMWetMDkyOS00OGMwLWE1NWmtY2M0MDI1NTEyY2ZliwiY2xpZW50X2lkIjoieXhhbXBsZUNsaWVudCJ9.TpjJs2aKpDJvWifJDv2vak6zjsiahOdumOGhecjAg8U

Content-Type: application/json

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 01083d7c-4065-436b-9565-051ffce63182

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

## Connection: keep-alive

Content-Length: 1907

```
{
  "fecha": "2020-11-11T02:23:55.867Z",
  "periodo": 2018,
  "placa": "HAI8102",
  "contribuyente": {
    "tipoIdentificacion": "RNP",
    "numeroIdentificacion": "0801197512459",
    "nombrePresentante": "Carlos Andres Torres Palacios"
  },
  "banco": {
    "cola": "SINAP01",
    "codigoBanco": 15015678790,
    "codigoAgencia": "080110",
    "codigoSucursal": "08011002",
    "usuarioBanco": "JRAMIREZ",
    "terminalBanco": "TTY001"
  },
  "recibo": {
    "numero": 34534545,
    "fecha": "2020-11-11T02:23:55.867Z",
    "valor": 3150.25
  },
  "pagos": {
    "vehicular": {
      "tasa": {
        "debito": 0.01,
        "credito": 0.01
      },
      "multa": {
```

```
"debito": 0.01,  
"credito": 0.01  
},  
"reparo": {  
"debito": 0.01,  
"credito": 0.01  
}  
},  
"alcaldia": {  
"tasa": {  
"debito": 0.01,  
"credito": 0.01  
},  
"multa": {  
"debito": 0.01,  
"credito": 0.01  
},  
"reparo": {  
"debito": 0.01,  
"credito": 0.01  
}  
},  
"sigloXXI": {  
"tasa": {  
"debito": 0.01,  
"credito": 0.01  
},  
"multa": {  
"debito": 0.01,  
"credito": 0.01  
},  
"reparo": {  
"debito": 0.01,  
"credito": 0.01  
}  
},  
"valorPlaca": {  
"debito": 0.01,  
"credito": 0.01  
},  
"totalAPagar": {  
"debito": 0.01,  
"credito": 0.01  
}  
}  
}HTTP/1.1 200
```

X-Content-Type-Options: nosniff

X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Type: application/json  
Transfer-Encoding: chunked  
Date: Tue, 15 Dec 2020 01:28:53 GMT  
Keep-Alive: timeout=60  
Connection: keep-alive

c7  
{ "fecha": "2020-12-15T01:28:53.571Z", "codigo": 200, "mensaje": "Pago ROP  
Exitoso", "transaccion": "fa9b7103-92ee-4057-b6f6-  
593573ae0b64", "cola": "SINAP01", "cargaUtil": { "departamento": "08", "municipio": "01" } }  
0

## Reversión Registro Vehicular

### Petición.

```
curl -X POST -H "Authorization: Bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNII0slnJlc291cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WVyJyZWFKliwid3JpdGUlLCJ0cnVzdClsluJlYWRfcHJvZmlsZV9pbmZvIl0sImV4cCI6MTYwODYzNjExNSwianRpljoiOGQzMzcwODctZDZhYi00ZmRhLTk2NmQtMDE0ZDU4NDc1NDYwliwiY2xpZW50X2IkljoiZXhhbXBsZUNsaWVudCJ9.xMn6l1vyj8XFktnQ5KhkXDHjrGsAdr3f2i5FYPZW8sk" -H "Content-Type: application/json" -d '{"fecha": "2020-11-11T02:25:10.450Z", "banco": {"cola": "SINAP01", "codigoBanco": "15015678790", "codigoAgencia": "080110", "codigoSucursal": "08011002", "usuarioBanco": "JRAMIREZ", "terminalBanco": "TTY001"}, "transaccion": "3fa85f64-5717-4562-b3fc-2c963f66afa6"}' "http://193.122.183.127/sinap/rv/reversion/mock"
```

**Traza.**

POST /sinap/rv/reversion/mock HTTP/1.1

Authorization: Bearer

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOi0sib2F1dGgyLXJlc291cmNIII0sInJlc291cmNlSWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKIiwid3JpdGUiLCJ0cnVzdCI6InJlYWRfcHJvZmlsZV9pbmZvIl0sImV4cCI6MTYwODYzNjExNSwianRpIjojOGQzMzcwODctZDZhYi00ZmRhLTk2NmQtMDE0ZDU4NDc1NDYwIiwiaY2xpZW50X2lkIjojZXhhbXBsZUNsaWVudCJ9.xMn6I1vyj8XFktnQ5KhkXDHjrGsAdr3f2i5FYPZW8sk

Content-Type: application/json

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: cdadf776-1baf-478a-bf66-0b6f9cd7f0e6

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

Content-Length: 311

```
{
  "fecha": "2020-11-11T02:25:10.450Z",
  "banco": {
    "cola": "SINAP01",
    "codigoBanco": 15015678790,
    "codigoAgencia": "080110",
    "codigoSucursal": "08011002",
    "usuarioBanco": "JRAMIREZ",
    "terminalBanco": "TTY001"
  },
  "transaccion": "3fa85f64-5717-4562-b3fc-2c963f66afa6"
}
```

HTTP/1.1 200

X-Content-Type-Options: nosniff  
X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Type: application/json  
Transfer-Encoding: chunked  
Date: Mon, 21 Dec 2020 23:27:02 GMT  
Keep-Alive: timeout=60  
Connection: keep-alive

a6

```
{"fecha":"2020-12-21T23:27:02.092Z","codigo":200,"mensaje":"Reversion  
Exitosa","transaccion":"0e8b7e75-99a3-4e7d-a1e4-  
f07d63320ca7","cola":"SINAP01","cargaUtil":null}  
0
```

## Consulta Operación de Registro Vehicular

### Petición.

```
curl -X POST -H "Authorization: Bearer  
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNIII0sInJlc2  
91cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli  
wid3JpdGUlLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh  
wljoxNjA3OTkxNjk2L2JhdXR0b3JpdGllcyI6WyJST0xFOX1VTRVliXSwianRpljoiZmJiYTBM  
zMtOWUwNS00OTI1LWI0MDQtNDA1NGM1Y2FjZTc2IiwiaWY2xpZW50X2lkIjoiaXh0bXBsZU  
NsaWVudCJ9.iRhE1FgrklmUZhWLgsqTU2GLv7WlQxTdg69jv37HOZM" -H "Content-  
Type: application/json" -d '{"banco": {"cola": "SINAP01", "codigoBanco":  
15015678790, "codigoAgencia": "080110", "codigoSucursal": "08011002", "usuarioBanco":  
"JRAMIREZ", "terminalBanco": "TTY001"}, "transaccion": "3fa85f64-5717-4562-b3fc-  
2c963f66afa6"}' "http://193.122.183.127/sinap/rv/consulta/operacion/mock "
```

### Traza.

.POST /sinap/rv/consulta/operacion/mock HTTP/1.1

Authorization: Bearer

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNIII0sInJlc2  
91cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli  
wid3JpdGUlLCJ0cnVzdCI6InJlYWRFcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh  
wljoxNjA3OTkxNjk2L2JhdXR0b3JpdGllcyI6WyJST0xFOX1VTRVliXSwianRpljoiZmJiYTBM  
zMtOWUwNS00OTI1LWI0MDQtNDA1NGM1Y2FjZTc2IiwiaWY2xpZW50X2lkIjoiaXh0bXBsZU  
NsaWVudCJ9.iRhE1FgrklmUZhWLgsqTU2GLv7WlQxTdg69jv37HOZM
```



Content-Type: application/json  
User-Agent: PostmanRuntime/7.26.8  
Accept: \*/\*  
Postman-Token: 5bcb56f8-38d8-41c5-be7e-eccd509c93fc  
Host: 129.213.179.6  
Accept-Encoding: gzip, deflate, br  
Connection: keep-alive  
Content-Length: 250

```
{  
  "banco": {  
    "cola": "SINAP01",  
    "codigoBanco": 15015678790,  
    "codigoAgencia": "080110",  
    "codigoSucursal": "08011002",  
    "usuarioBanco": "JRAMIREZ",  
    "terminalBanco": "TTY001"  
  },  
  "transaccion": "3fa85f64-5717-4562-b3fc-2c963f66afa6"  
}
```

HTTP/1.1 200  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Type: application/json  
Transfer-Encoding: chunked  
Date: Tue, 15 Dec 2020 00:17:12 GMT  
Keep-Alive: timeout=60  
Connection: keep-alive

152  
{ "fecha": "2020-12-15T00:17:12.183Z", "codigo": 200, "mensaje": "Consulta Exitosa", "transaccion": "8b651a5d-3977-4c91-8ad3-71b527c56d72", "cola": "SINAP01", "cargaUtil": { "transaccion": "36a07199-0abe-4151-8172-7677a71f0f5e", "fecha": "2020-12-15T00:17:12.183Z", "tipo": "PAGO", "monto": 1904.9600000000000363797880709171295166015625, "estado": "APROBADO" } }

```
{
  "fecha": "2020-11-11T18:56:17.019Z",
  "banco": {
    "cola": "SINAP01",
    "codigoBanco": 15015678790,
    "codigoAgencia": "080110",
    "codigoSucursal": "08011002",
    "usuarioBanco": "JRAMIREZ",
    "clave": "1234567890"
  }
}
```

```
"terminalBanco": "TTY001"  
},  
"resumen": {  
  "totalTraspasos": 200,  
  "montoTraspasos": 36965.25,  
  "totalCambiosPlaca": 300,  
  "montoCambiosPlaca": 46965.25,  
  "totalReposiciones": 20,  
  "montoReposicioness": 3665.25,  
  "totalMatriculas": 500,  
  "montoMatriculas": 89765.25  
}  
}
```

HTTP/1.1 200

X-Content-Type-Options: nosniff

X-XSS-Protection: 1; mode=block

Cache-Control: no-cache, no-store, max-age=0, must-revalidate

Pragma: no-cache

Expires: 0

X-Frame-Options: DENY

Content-Type: application/json

Transfer-Encoding: chunked

Date: Tue, 15 Dec 2020 00:10:22 GMT

Keep-Alive: timeout=60

Connection: keep-alive

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```
{ "fecha": "2020-12-15T00:10:22.766Z", "codigo": 200, "mensaje": "Cierre  
Exitoso", "transaccion": "f64e0502-aeeb-410b-9fba-  
8810eef09680", "cola": "SINAP01", "cargaUtil": { "totalTraspasos": 200, "montoTraspasos": 36  
965.25, "totalCambiosPlaca": 300, "montoCambiosPlaca": 46965.25, "totalReposiciones": 20, "  
montoReposicioness": 3665.25, "totalMatriculas": 500, "montoMatriculas": 89765.25 } }
```

0

## Conciliación Bancaria Registro Vehicular

### Petición.

```
curl -X POST -H "Authorization: Bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNIII0sInJlc2
91cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUiLCJ0cnVzdCI6InJlYWRfcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTkxMTcwLCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiMzMzMzJh
mNWItODE1Mi00MTZmLTg2Y2MtM2Q0OTY5NTM2NGNjliwiY2xpZW50X2kljoiZXhhbXBs
sZUNsaWVudCJ9.4juI9aD05Qn8_hT-1NULmI0z1JVIIbPqpCuiRkbvhDQ" -H "Content-
Type: application/json" -d '{"banco": {"cola": "SINAP01", "codigoBanco":
15015678790, "codigoAgencia": "080110", "codigoSucursal": "08011002", "usuarioBanco":
"JRAMIREZ", "terminalBanco": "TTY001"}, "transacciones": [{"transaccion": "3fa85f64-5717-
4562-b3fc-2c963f66afa6", "fecha": "2020-11-11T19:50:32.505Z", "tipo":
"PAGO_ROP", "monto": 1904.96, "estado": "APROBADO"}]}'
"http://193.122.183.127/sinap/rv/conciliacion/mock"
```

### Traza.

.POST /sinap/rv/conciliacion/mock HTTP/1.1

Authorization: Bearer

```
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiIsib2F1dGgyLXJlc291cmNIII0sIn
Jlc291cmNISWQiOiJzaW5hcC92MSIsInVzZXJfbmFtZSI6InVzZXIiLCJzY29wZSI6WyJyZWFKli
wid3JpdGUiLCJ0cnVzdCI6InJlYWRfcHJvZmlsZV9pbmZvIl0sImFjdGl2ZSI6dHJ1ZSwiZXh
wljoxNjA3OTkxMTcwLCJhdXRob3JpdGllcyI6WyJST0xFX1VTRVliXSwianRpljoiMzMzMzJh
mNWItODE1Mi00MTZmLTg2Y2MtM2Q0OTY5NTM2NGNjliwiY2xpZW50X2kljoiZXhhbXBs
sZUNsaWVudCJ9.4juI9aD05Qn8_hT-
1NULmI0z1JVIIbPqpCuiRkbvhDQ
```

Content-Type: application/json

User-Agent: PostmanRuntime/7.26.8

Accept: \*/\*

Postman-Token: 0a30b4f5-9b21-436b-b05d-b947137b95db

Host: 129.213.179.6

Accept-Encoding: gzip, deflate, br

Connection: keep-alive

Content-Length: 386

```
{
  "banco": {
    "cola": "SINAP01",
    "codigoBanco": 15015678790,
    "codigoAgencia": "080110",
    "codigoSucursal": "08011002",
    "usuarioBanco": "JRAMIREZ",
    "terminalBanco": "TTY001"
  },
```

```
"transacciones": [  
  {  
    "transaccion": "3fa85f64-5717-4562-b3fc-2c963f66afa6",  
    "fecha": "2020-11-11T19:50:32.505Z",  
    "tipo": "PAGO_ROP",  
    "monto": 1904.96,  
    "estado": "APROBADO"  
  }  
]  
} HTTP/1.1 200  
X-Content-Type-Options: nosniff  
X-XSS-Protection: 1; mode=block  
Cache-Control: no-cache, no-store, max-age=0, must-revalidate  
Pragma: no-cache  
Expires: 0  
X-Frame-Options: DENY  
Content-Type: application/json  
Transfer-Encoding: chunked  
Date: Tue, 15 Dec 2020 00:08:54 GMT  
Keep-Alive: timeout=60  
Connection: keep-alive
```

```
169  
{ "fecha": "2020-12-15T00:08:54.567Z", "codigo": 200, "mensaje": "Cierre  
Exitoso", "transaccion": "999cf6ee-76f6-426a-b583-  
6a40dc036370", "cola": "SINAP01", "cargaUtil": { "totalTraspasos": 200, "montoTraspasos": 36  
965.25, "totalCambiosPlaca": 300, "montoCambiosPlaca": 46965.25, "totalReposiciones": 20, "  
montoReposicioness": 3665.25, "totalMatriculas": 500, "montoMatriculas": 89765.25 } }  
0
```

