SIERRA API
Example Body: Patrons

```
##   POST /v6/patrons/auth
##
##   Check if patron barcode and PIN are valid - can apply LDAP.
##

{
  "authMethod": "native",
  "patronId": "23945100021641",
  "patronSecret": "1234"
}




##   POST /v6/patrons/{id}/fines/charge
##
##   Add a $2.50 manual charge at location eb for a locker rental
##   fee.   Note: Patron record number is placed in URI.
##

{
  "amount": 250,
  "reason": "Locker rental fee",
  "location": "eb"
}




## POST /v6/patrons/checkout
##
##   Supply patron barcode and PIN and item barcode for patron
##   self-checkout.
##

{
  "patronBarcode": "23945100021641",
  "itemBarcode": "31298001482960",
```

```
    "patronPin": "1234"
}



##   POST /v6/patrons/
##
##   Create patron record with fixed- and variable-length data.
##   Replace patron type, home library, pcode1, pcode2, pcode3,
##   pcode4, pmessage, agency and notice pref with local
##   information.
##

{
  "names": [
    "Ricottilli, Monica"
  ],
  "pin": "3113",
  "phones": [
  {
    "number": "510-555-3113",
    "type": "t"
  }
  ],
  "addresses": [
  {
    "lines": [
      "26652 Saginaw Dr",
      "Oakland, CA 94606"
    ], "type": "a"
  }
  ],
  "barcodes": [
    "21535023690450"
  ],
  "emails": [
    "mricottilli@email.com"
  ],
  "patronType": 12,
  "expirationDate": "2024-06-30",
  "homeLibraryCode": "eb",
  "patronCodes":
  {
    "pcode1": "-",
    "pcode2": "s",
```

```
    "pcode3": 5,
    "pcode4": 14
  },
  "birthDate": "1997-07-17",
  "pMessage": "v",
  "langPref": "eng",
  "fixedFields":
  { "158":
    {
      "label": "PAT AGENCY",
      "value": "1",
      "display": "Public Libraries"
    },
    "268":
    {
      "label": "NOTICE PREF",
      "value": "z",
      "display": "EMAIL"
    }
  }
}
```

PUT /v6/patrons/{id}/fines/payment
##
Pay two fines for the same patron. Pay $22.50 for fine
invoice 1110 and $11.70 for fine invoice 1111. For both
fines, if amount is not entire value, leave remainder on
record. Enter Sierra username in <Sierra user>. Note:
Patron record number is placed in URI.
##

```
{
  "payments": [
  {
    "amount": 2250,
    "paymentType": 1,
    "invoiceNumber": "1110",
    "initials": "<Sierra user>"
  },
  {
    "amount": 1170,
    "paymentType": 1,
    "invoiceNumber": "1111",
```

```
    "initials": "<Sierra user>"
  }
  ]
}




##  POST /v6/patrons/{id}/holds/requests
##
##  Place bib hold on b1110507 with pickup location eb and a
##  cancel if not filled by date of 11/20/2021.  Note: Patron
##  record number is placed in URI.
##

{
  "recordType": "b",
  "recordNumber": 1110507,
  "pickupLocation": "eb",
  "neededBy": "2021-11-20"
}




##  PUT /v6/patrons/holds/{holdId}
##
##  Change pickup location to ep and suspend a hold
##  Note: Hold ID is placed in the URI.
##

{
  "pickupLocation": "ep",
  "freeze": true
}




##  POST /v6/patrons/{id}/checkouts/history/activationStatus
##
##  Activate or deactivate opt in status of reading history.
##  Cannot deactivate if there is current activity.  Note:
##  Patron record number is supplied in the URI.
##

{
  "readingHistoryActivation": true
```

```
        }


##  POST /v6/patrons/query
##
##  Search patron records with more than $50 owed and have
##  at least one overdue item (can replace '07-19-2021'
##  with today).
##

{
  "queries": [
    {
      "target": {
        "record": {
          "type": "patron"
        },
        "id": 96
      },
      "expr": [
        {
          "op": "greater_than",
          "operands": [
            "50"
          ]
        }
      ]
    },
    "and",
    {
      "target": {
        "record": {
          "type": "item"
        },
        "id": 65
      },
      "expr": [
        {
          "op": "less_than",
          "operands": [
            "07-19-2021"
          ]
        }
      ]
```

```
        }
    ]
}


##   PUT /v6/patrons/{id}
##
##   Update fixed-length fields and/or add/overwrite
##   variable-length fields in a patron record.
##   Note: supply patron record number in URI.
##

{
  "names": [
    "Muller, Cesar R."
  ],
  "pin": "1102",
  "phones": [
  {
    "number": "244-555-1102",
    "type": "t"
  }
  ],
  "barcodes": [
    "20102220020044"
  ],
  "patronType": 12,
  "expirationDate": "2022-06-30",
  "homeLibraryCode": "eb",
  "patronCodes":
  {
    "pcode2": "b"
  },
  "varFields": [
  {
    "fieldTag": "x",
    "content": "Notified of new circulation policy on 4/23/21"
  }
  ]
}


##   POST /v6/patrons/validate
```

```
##
##  Check if patron barcode and PIN are valid.
##

{
  "barcode": "20102220052039",
  "pin": "1234",
  "caseSensitivity": true
}
```

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