



THE LOANPRO API

LOAN SEARCH

loanprosoftware.simnang.com

API SAMPLE

Fork Loan Search — <https://plnkr.co/edit/1MrwiP>

CAUTIONARY NOTE

The provided API samples store API credentials in the browser

Use the API samples to explore the API and not as your integration

API ENDPOINT

The API endpoint will be a POST request to:

`https://loanpro.simnang.com/api/public/api/1/Loans/Autopal.Search()`

(The endpoint is **Loans/Autopal.Search()**)

ELASTICSEARCH

The customer search uses Elasticsearch in the backend

See the presentation **Working with Elasticsearch** for more information

AGGREGATE FIELDS

Below is the list of aggregate fields for loans:

- loanamount - Loan Amount
- payoff - Payoff Amount
- loanage - Age of the loan (days)
- dayspastdue - Days past due
- amountdue - Amount Due
- principalbalance - Principal balance on the loan
- loanrecency - Number of days since the last payment was applied
- lastpaymentamount - Last payment amount
- nextpaymentamount - Next payment amount

SAMPLE AGGREGATE FIELDS

```
"sum_loanamount": {  
  "sum": {  
    "field": "loanAmount"  
  }  
},  
"avg_loanamount": {  
  "avg": {  
    "field": "loanAmount"  
  }  
}
```

sum_loanamount will have the total while **avg_loanamount** will have the average

COMBINING THEM

- The Elasticsearch query object will go into a **query** object
- The aggregate field will go into an **aggs** object

COMBINED SAMPLE

Get all loans with "100" in either the title or the insurance policy number

POST [https://loanpro.simnang.com/api/public/api/1/Loans/Autopa1.Search\(\)](https://loanpro.simnang.com/api/public/api/1/Loans/Autopa1.Search())

```
{
  "query": {
    "bool": {
      "must": [
        {
          "query_string": {
            "query": "*100*",
            "fields": [
              "title",
              "loanInsurance.policyNumber"
            ]
          }
        }
      ]
    }
  },
  "aggs": {
    "sum_loanamount": {
      "sum": {
        "field": "loanAmount"
      }
    }
  }
}
```

GETTING RESULTS 1-25

POST loanpro.simnang.com/api/public/api/1/Loans/Autopal.Search()?\$top=25&\$skip=0

```
{
  "query": {
    "bool": {
      "must": [
        {
          "query_string": {
            "query": "*100*",
            "fields": [
              "title",
              "loanInsurance.policyNumber"
            ]
          }
        }
      ]
    }
  },
  "aggs": {
    "sum_loanamount": {
      "sum": {
        "field": "loanAmount"
      }
    }
  }
}
```

GETTING RESULTS 26-50

POST loanpro.simnang.com/api/public/api/1/Loans/Autopal.Search()?\$top=25&\$skip=25

```
{
  "query": {
    "bool": {
      "must": [
        {
          "query_string": {
            "query": "*100*",
            "fields": [
              "title",
              "loanInsurance.policyNumber"
            ]
          }
        }
      ]
    }
  },
  "aggs": {
    "sum_loanamount": {
      "sum": {
        "field": "loanAmount"
      }
    }
  }
}
```

QUESTIONS?

Feel free to ask in our [Forums](#)

Or, email us at support@simnang.com