

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.4894]
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C:\solr-8.11.4\solr-8.11.4\bin>solr start
Java HotSpot(TM) 64-Bit Server VM warning: JVM cannot use large page memory because it does not have enough privilege to lock pages in memory.
Waiting up to 30 to see Solr running on port 8983
Started Solr server on port 8983. Happy searching!

C:\solr-8.11.4\solr-8.11.4\bin>solr create -c employee_data
WARNING: Using _default configset with data driven schema functionality. NOT RECOMMENDED for production use.
To turn off: bin\solr config -c employee_data -p 8983 -action set-user-property -property update.autoCreateFields -value false

Created new core 'employee_data'

C:\solr-8.11.4\solr-8.11.4\bin>create -c CSVCore
'create' is not recognized as an internal or external command,
operable program or batch file.

C:\solr-8.11.4\solr-8.11.4\bin>solr create -c csvcore
WARNING: Using _default configset with data driven schema functionality. NOT RECOMMENDED for production use.
To turn off: bin\solr config -c csvcore -p 8983 -action set-user-property -property update.autoCreateFields -value false

Created new core 'csvcore'

C:\solr-8.11.4\solr-8.11.4\bin>
```

Solr Admin interface showing the Query tab for the 'csvcore' core. The URL bar displays the query: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Full_Name`.

The Request-Handler (qt) is set to `/select`. The query parameters are:

- `q`: `*:*`
- `q.op`: `OR`
- `fq`: (empty)
- `sort`: (empty)
- `start, rows`: `0, 10`
- `fl`: (empty)
- `df`: (empty)
- `wt`: `json`
- `indent`: `on`

The response is a JSON object:

```
{
  "responseHeader": {
    "status": 0,
    "QTime": 11,
    "params": {
      "q": "*:*",
      "facet.field": "Full_Name",
      "indent": "true",
      "q.op": "OR",
      "facet": "true",
      "_: "1727889458320"
    }
  },
  "response": {
    "numFound": 3786,
    "start": 0,
    "numFoundExact": true,
    "docs": [
      {
        "Department": ["Engineering"],
        "Gender": ["Male"],
        "Ethnicity": ["Asian"],
        "Age": [47],
        "Country": ["United States"],
        "City": ["Columbus"],
        "id": "1526d939-bf95-4e41-9122-e64f9bffa42",
        "Employee_ID": ["E02002"],
        "Full_Name": ["Kai Le"],
        "Job_Title": ["Controls Engineer"],
        "Business_Unit": ["Manufacturing"],
        "Hire_Date": ["2/5/2022"],
        "Annual_Salary": ["$92,368 "],
        "Bonus": ["0%"]
      }
    ]
  }
}
```

Solr Admin interface showing a query result for the 'Full_Name' facet. The query is: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Full_Name`

Facet configuration:

- debugQuery: ☐
- defType: lucene
- hl: ☐
- facet: ☒
- facet.query:
- facet.field: Full_Name
- facet.prefix:
- facet.contains:
- facet.contains.ignoreCase: ☐
- facet.limit:
- facet.matches:
- facet.sort: -----
- facet.mincount:

Query result (JSON):

```
{
  "Annual_Salary": [ "$92,368 " ],
  "Bonus_": [ "0$ " ],
  "_version_": 1811823512944377856,
  {
    "Department": [ "Sales" ],
    "Gender": [ "Male" ],
    "Ethnicity": [ "Asian" ],
    "Age": [ 58 ],
    "Country": [ "United States" ],
    "City": [ "Chicago" ],
    "id": "ccb2cbd1-f8c2-4bf4-a697-cd3e01814e42",
    "Employee_ID": [ "E02003" ],
    "Full_Name": [ "Robert Patel" ],
    "Job_Title": [ "Analyst" ],
    "Business_Unit": [ "Corporate" ],
    "Hire_Date": [ "10/23/2013" ],
    "Annual_Salary": [ "$45,703 " ],
    "Bonus_": [ "0$ " ],
    "_version_": 1811823512950669312,
    {
      "Department": [ "IT" ],
      "Gender": [ "Male" ],
      "Ethnicity": [ "Asian" ],
      "Age": [ 34 ],
      "Country": [ "China" ],
      "City": [ "Shanghai" ],
      "id": "8fc33e4b-62c0-437a-a7c9-e6ea6350662d",
      "Employee_ID": [ "E02004" ],
      "Full_Name": [ "Cameron Lo" ],
      "Job_Title": [ "Network Administrator" ],
      "Business_Unit": [ "Research & Development" ]
    }
  }
}
```

Solr Admin interface showing a query result for the 'Full_Name' facet. The query is: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Full_Name`

Facet configuration:

- facet.missing: ☐
- facet.spatial: ☐
- facet.spellcheck: ☐
- Raw Query Parameters: key1=val1&key2=val2
- Execute Query:

Query result (JSON):

```
{
  "Business_Unit": [ "Research & Development" ],
  "Hire_Date": [ "3/24/2019" ],
  "Annual_Salary": [ "$83,576 " ],
  "Bonus_": [ "0$ " ],
  "_version_": 1811823512950669313,
  {
    "Department": [ "IT" ],
    "Gender": [ "Female" ],
    "Ethnicity": [ "Latino" ],
    "Age": [ 39 ],
    "Country": [ "United States" ],
    "City": [ "Seattle" ],
    "id": "852042e1-8b97-4789-8155-dffc96f682b4",
    "Employee_ID": [ "E02005" ],
    "Full_Name": [ "Harper Castillo" ],
    "Job_Title": [ "IT Systems Architect" ],
    "Business_Unit": [ "Corporate" ],
    "Hire_Date": [ "4/7/2018" ],
    "Annual_Salary": [ "$98,062 " ],
    "Bonus_": [ "0$ " ],
    "_version_": 1811823512950669314,
    {
      "Department": [ "Engineering" ],
      "Gender": [ "Female" ],
      "Ethnicity": [ "Latino" ],
      "Age": [ 42 ],
      "Country": [ "United States" ],
      "City": [ "Austin" ],
      "id": "b7d0cb69-8d53-4c78-a7cc-091d4be4b32f",
      "Employee_ID": [ "E02006" ],
      "Full_Name": [ "Harper Dominguez" ]
    }
  }
}
```

Solr Admin interface showing a query result for the 'csvcore' index. The query is: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Full_Name`

The result displays two employee records:

```
{
  "Hire_Date": ["6/18/2005"],
  "Annual_Salary": ["$175,391 "],
  "Bonus__": ["24%"],
  "_version_": 1811823512951717888,
  {
    "Department": ["IT"],
    "Gender": ["Male"],
    "Ethnicity": ["Asian"],
    "Age": [62],
    "Country": ["United States"],
    "City": ["Phoenix"],
    "id": "58276413-2266-4db8-9957-c023356681af",
    "Employee_ID": ["E02007"],
    "Full_Name": ["Ezra Vu"],
    "Job_Title": ["Network Administrator"],
    "Business_Unit": ["Manufacturing"],
    "Hire_Date": ["4/22/2004"],
    "Annual_Salary": ["$66,227 "],
    "Bonus__": ["0%"],
    "Exit_Date": ["2/14/2014"],
    "_version_": 1811823513088032768,
    {
      "Department": ["Accounting"],
      "Gender": ["Female"],
      "Ethnicity": ["Asian"],
      "Age": [58],
      "Country": ["China"],
      "City": ["Chongqing"],
      "id": "7fc51812-ab6f-4950-a37a-7e268f64ada1",
      "Employee_ID": ["E02008"],
      "Full_Name": ["Jade Hu"],
      "Job_Title": ["System Administrator"],
      "Business_Unit": ["Manufacturing"]
    }
  }
}
```

Solr Admin interface showing a query result for the 'csvcore' index. The query is: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Full_Name`

The result displays two employee records:

```
{
  "Hire_Date": ["6/18/2005"],
  "Annual_Salary": ["$89,744 "],
  "Bonus__": ["0%"],
  "_version_": 1811823513088032769,
  {
    "Department": ["Finance"],
    "Gender": ["Male"],
    "Ethnicity": ["Asian"],
    "Age": [62],
    "Country": ["China"],
    "City": ["Chengdu"],
    "id": "af1cbb64-cade-464c-83a6-c7e53dc3a43d",
    "Employee_ID": ["E02009"],
    "Full_Name": ["Miles Chang"],
    "Job_Title": ["Analyst II"],
    "Business_Unit": ["Corporate"],
    "Hire_Date": ["2/19/1999"],
    "Annual_Salary": ["$69,674 "],
    "Bonus__": ["0%"],
    "_version_": 1811823513088032770,
    {
      "Department": ["IT"],
      "Gender": ["Female"],
      "Ethnicity": ["Caucasian"],
      "Age": [38],
      "Country": ["United States"],
      "City": ["Seattle"],
      "id": "f731c1c5-adb3-435e-946a-9a711e7e662a",
      "Employee_ID": ["E02010"],
      "Full_Name": ["Gianna Holmes"],
      "Job_Title": ["System Administrator"],
      "Business_Unit": ["Manufacturing"]
    }
  }
}
```

The screenshot shows the Solr Admin web interface. On the left is a sidebar with navigation links: Dashboard, Logging, Security, Core Admin, Java Properties, Thread Dump, and a dropdown menu currently showing 'csvcore'. Below the dropdown are links for Overview, Analysis, Dataimport, Documents, Files, Ping, Plugins / Stats, and Query. The main content area displays the result of a CSV query. The URL in the browser is `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Full_Name`. The query result is a JSON array of objects, each representing a record. The first record is for a 'System Administrator' named 'Jameson Thomas' with an annual salary of \$97,630. The second record is for a 'Manager' named 'Jameson Thomas' with an annual salary of \$105,879. The JSON structure includes fields like 'Job_Title', 'Business_Unit', 'Hire_Date', 'Annual_Salary', 'Bonus_', '_version_', 'Department', 'Gender', 'Ethnicity', 'Age', 'Country', 'City', 'id', 'Employee_ID', 'Full_Name', and 'facet_counts'.

```
{
  "Job_Title":["System Administrator "],
  "Business_Unit":["Manufacturing"],
  "Hire_Date":["9/9/2011"],
  "Annual_Salary":["$97,630 "],
  "Bonus_":["0%"],
  "_version_":1811823513089081344,
}
[
  {
    "Department":["Finance"],
    "Gender":["Male"],
    "Ethnicity":["Caucasian"],
    "Age":[52],
    "Country":["United States"],
    "City":["Miami"],
    "id":["b22923cb-24cc-41ec-9306-d56f509d6d63"],
    "Employee_ID":["E02011"],
    "Full_Name":["Jameson Thomas"],
    "Job_Title":["Manager"],
    "Business_Unit":["Specialty Products"],
    "Hire_Date":["2/5/2015"],
    "Annual_Salary":["$105,879 "],
    "Bonus_":["10%"],
    "_version_":1811823513089081345]
  },
  {
    "facet_counts":{
      "facet_queries":{ },
      "facet_fields":{
        "Full_Name":[
          "cruz",54,
          "caroline",51,
          "christopher",48,
          "serenity",48,

```

Solr Admin interface showing a query result for the 'Full_Name' facet. The query is: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Full_Name`

The result shows a list of names and their corresponding counts, sorted by count in descending order:

```
"facet_counts":{
  "facet_queries":{},
  "facet_fields":{
    "Full_Name":{
      "cruz",54,
      "caroline",51,
      "christopher",48,
      "serenity",48,
      "parker",45,
      "jackson",42,
      "kai",42,
      "lucas",42,
      "alexander",39,
      "cheng",39,
      "hunter",39,
      "ivy",39,
      "olivia",39,
      "simmons",39,
      "brooks",36,
      "gianna",36,
      "jameson",36,
      "lai",36,
      "leilani",36,
      "maldonado",36,
      "peyton",36,
      "santiago",36,
      "wong",36,
      "charles",33,
      "eloise",33,
      "jackson",33,
      "luna",33,
    }
  }
}
```

Solr Admin interface showing a query result for the 'Full_Name' facet. The query is: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Full_Name`

The result shows a list of names and their corresponding counts, sorted by count in descending order:

```
"griffin",24,
"ho",24,
"hong",24,
"howard",24,
"hudson",24,
"jack",24,
"layla",24,
"liu",24,
"logan",24,
"lu",24,
"luca",24,
"luu",24,
"ng",24,
"oh",24,
"patel",24,
"penelope",24,
"ramos",24,
"sofia",24,
"valentina",24,
"vang",24,
"vargas",24,
"vu",24,
"wyatt",24,
"xu",24}],
"facet_ranges":{},
"facet_intervals":{},
"facet_heatmaps":{}}
```

Solr Admin interface showing a query result for Job Title facets. The query is: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Job_Title`

Facet counts:

- analyst, 837
- manager, 810
- sr, 675
- architect, 396
- president, 387
- vice, 387
- engineer, 381
- director, 345
- network, 183
- systems, 180
- ii, 162
- administrator, 153
- account, 135
- representative, 135
- it, 132
- business, 102
- partner, 102
- cloud, 84
- infrastructure, 84
- system, 78
- enterprise, 75
- test, 69
- coordinator, 66
- field, 66
- technical, 63
- development, 51

Solr Admin interface showing a query result for Job Title facets. The query is: `localhost:8983/solr/#/csvcore/query?q=*:*&q.op=OR&indent=true&facet=true&facet.field=Job_Title`

Facet counts:

- account, 135
- representative, 135
- it, 132
- business, 102
- partner, 102
- cloud, 84
- infrastructure, 84
- system, 78
- enterprise, 75
- test, 69
- coordinator, 66
- field, 66
- technical, 63
- development, 51
- hris, 51
- computer, 48
- desk, 48
- service, 48
- solutions, 45
- controls, 42
- quality, 42
- automation, 39
- engineering, 33
- operations, 27

Facet ranges: {}

Facet intervals: {}

Facet heatmaps: {}