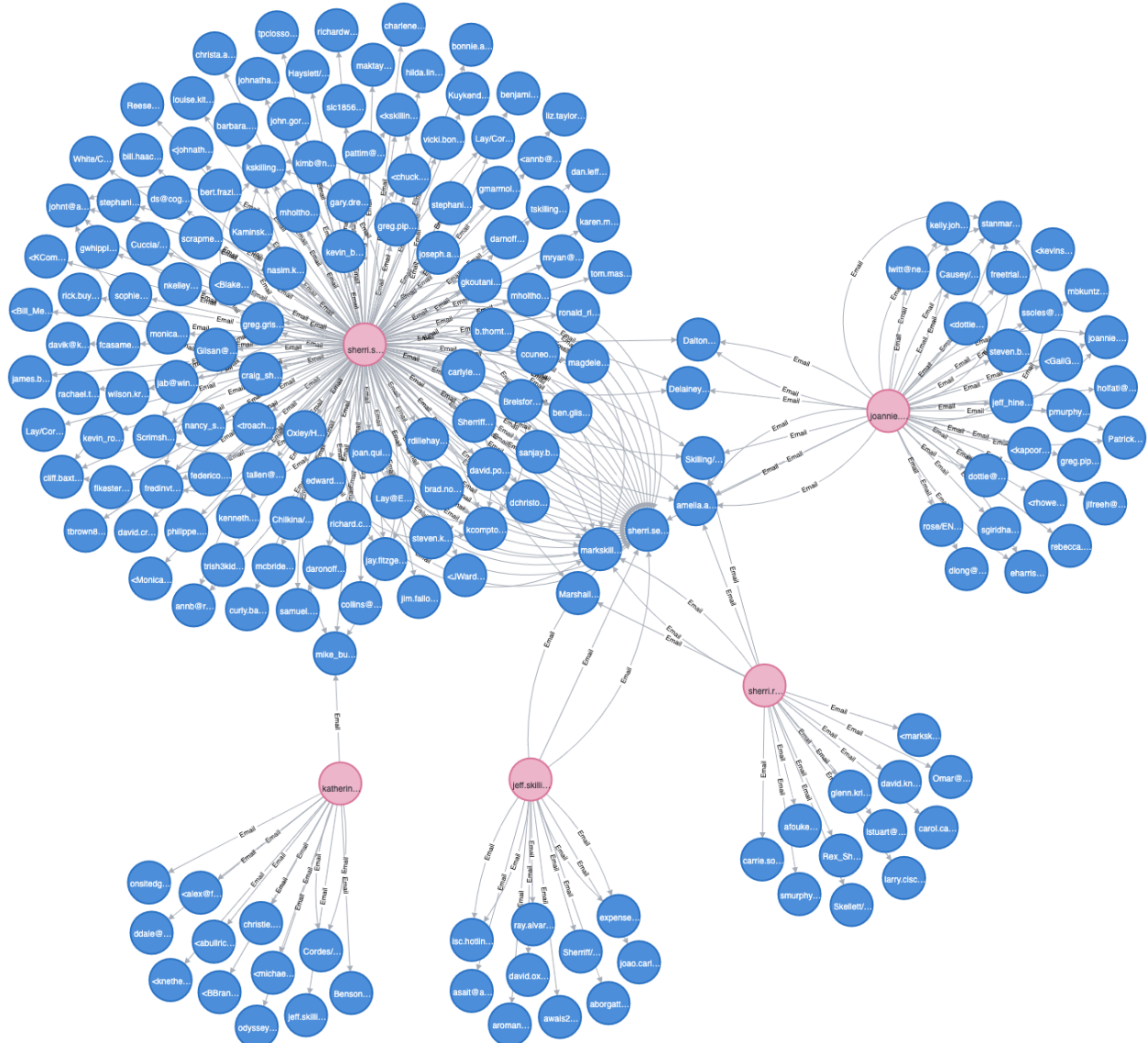


NEO4j QUERIES

Generate nodes and relationships for Jeffrey Skilling:

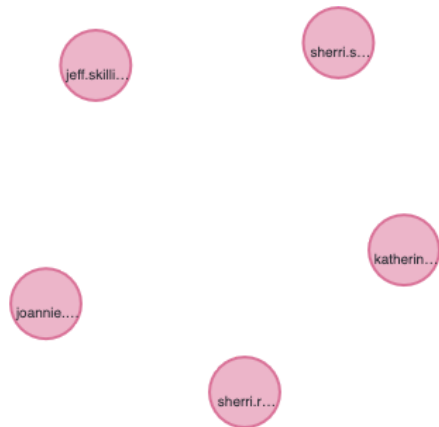
```
load csv with headers from 'file:///jeffrey_skilling.csv' as line
merge(s:Sender {email:line.from_email})
merge(r:Receiver {email:line.to_email})
merge(s)-[:Email {id:line.message_id, date:line.date, en:line.encoding, l:line.length,s:line.subject,
b:line.body}] -(r)
return s,r
```



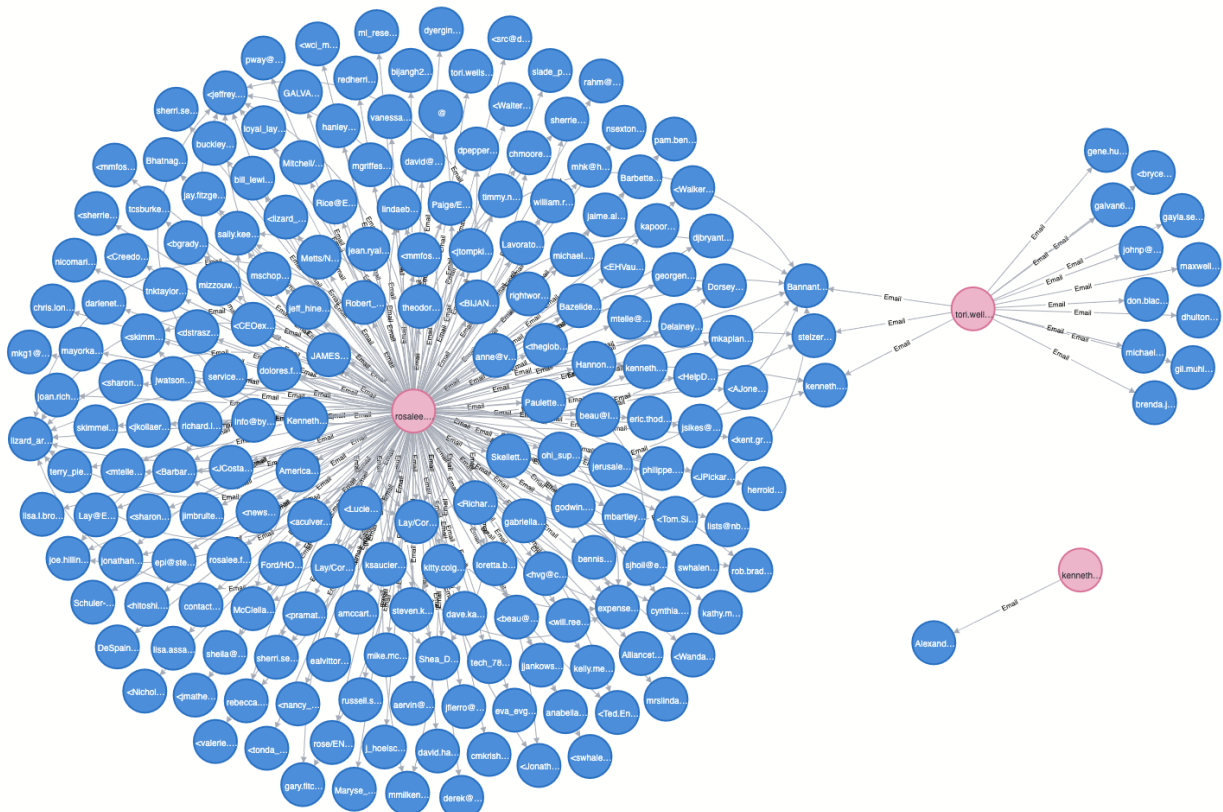
Jeffrey's Email Accounts:

```
match (s:Sender)-[]->(r:Receiver)
```

return s



Generate nodes and relationships for Kenneth Lay:



Analyzing Top Recipients of “Energy” Emails sent from sherri.sera@enron.com

load csv with headers from 'file:///final_enron_data/ca.csv' as line

merge (s:sender {email:line.from_email})

merge(r:recipient {email:line.to_email})

merge(s)-[:email {id:line.message_id, date:line.date, en:line.encoding, l:line.length,s:line.subject, b:row.body}]]->(r)

call {

match (s:sender{email:'sherri.sera@enron.com'})-[e:email]->(r:reciever)

with r, count(e.id) as num_emails

order by num_emails desc limit 3

return collect(r) as tops

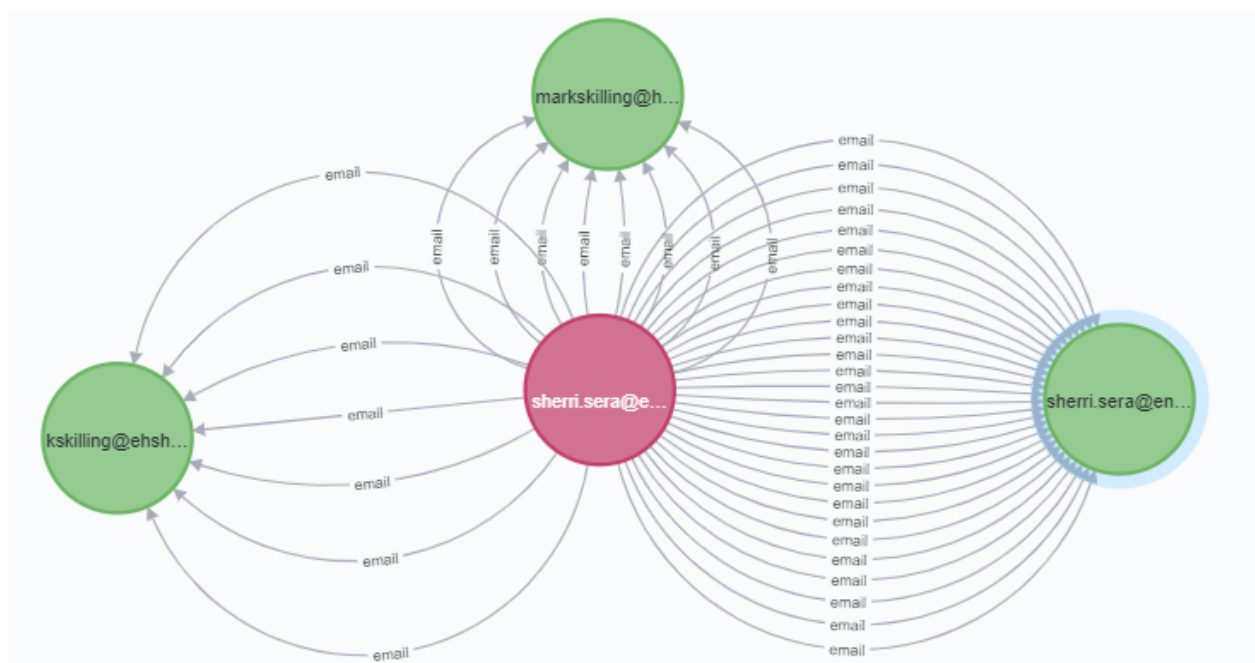
}

match (s:sender{email:'sherri.sera@enron.com'})-[e:email]->(r:reciever)

where r in tops

return s,count(e.id) as ct,r

order by ct desc



Analyzing Top Accounts that Sent Emails Regarding “Energy”

```
load csv with headers from 'file:///final_enron_data/ca.csv' as line
merge (s:sender {email:line.from_email})
merge(r:recipient {email:line.to_email})
merge(s)-[:email {id:line.message_id, date:line.date, en:line.encoding, l:line.length,s:line.subject,
b:row.body}]]->(r)

call {
  match (s:sender)-[e:email]->(r:reciever)
  with s, count(e.id) as num_emails
  order by num_emails desc limit 5
  return collect(s) as tops
}
match (s:sender)-[e:email]->(r:reciever)
where s in tops
return s.email,count(e.id) as ct,r.email
order by ct desc
```

