Erick Franco

Cs430p

3/9/2025

10.1g.5	2
10.1g.6	2
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	12 13
10 2g 21	13

10.1g.5

- Examine the document cleaning code. What kinds of characters are removed when the text is cleaned?
 - o 20 text = re.sub(r"\s+", " ", text).strip()
 - o So "\s" and "" being empty spaces
- What size chunks is the content split into?
 - o chunk_size=10000
- What amount of overlap is there between chunks?
 - o chunk_overlap=1000
- How many documents are loaded at a time into the vector database?
 - 300

10.1g.6

Each one returned <u>pdx.edu/visit</u> and just explained the website every time

```
fewny francoer@adai-/cat30-arc/08_limp python 02_docsearch.py
RAG database initialized.
https://www.pdx.edu/vsit/
https://www.pdx.edu/vsit/
https://www.pdx.edu/vsit/
https://www.pdx.edu/vsit/
https://www.pdx.edu/vsit/
https://www.pdx.edu/vsit/
browny facabuser in the RAG database that are similar to whatever is entered. A blank query exits the program.
>> Tell me about Firebase
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
Number of requested results 4 is greater than number of elements in index 5, updating the programs of the programs of the programs of the programs of courses and degree programs, Our programs, in addition to the program of the program of the programs of the program
```

Description of requested central 4 is greater than number of elements in index 3, updating _remains = 3

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10.1g.8

Instead of using whatever data it had it looks through the database and says if it has or doesnt have data about the subject

```
Number of requested required is greater than number of elements in index 3, updating n_results = 3
I'm sorry, but this document is about Portland State University and its various departments and programs. It does not contain any information about Terraform
I don't know the answer to your question.
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
I'm sorry, but this document is about Portland State University and its various tours and programs. It does not contain any information about Cloud Run. I don't know the answer to your question
Ilmo> What are the advantages and disadvantages of Firebase?
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
I'm sorry, but this document is about Portland State University's Computer Science Department and does not contain information about Firebase. Therefore, I c annot answer your question using the provided context.
Ilmo> How do you use Terraform?
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
I'm sorry, but this document is about Portland State University and does not contain information on how to use Terraform. Therefore, I cannot answer your question.
Ilmo> May would you use Cloud Run instead of App Engine?
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
I m sorry, but this document is about Portland State University Department of Computer Science and does not contain any information about Cloud Run or App Engine. Therefore, I cannot answer your question using the provided context.
Ilmo> What are the advantages and disadvantages of Firebase?
Number of requested results 4 is greater than number of elements in index 3, updating n_results = 3
I'm sorry, but this document is about Portland State University Department of Computer Science and does not contain information about Firebase. Therefore, I c almost answer your question using the provided context.
Ilmo> What are the
```

10.1g.11

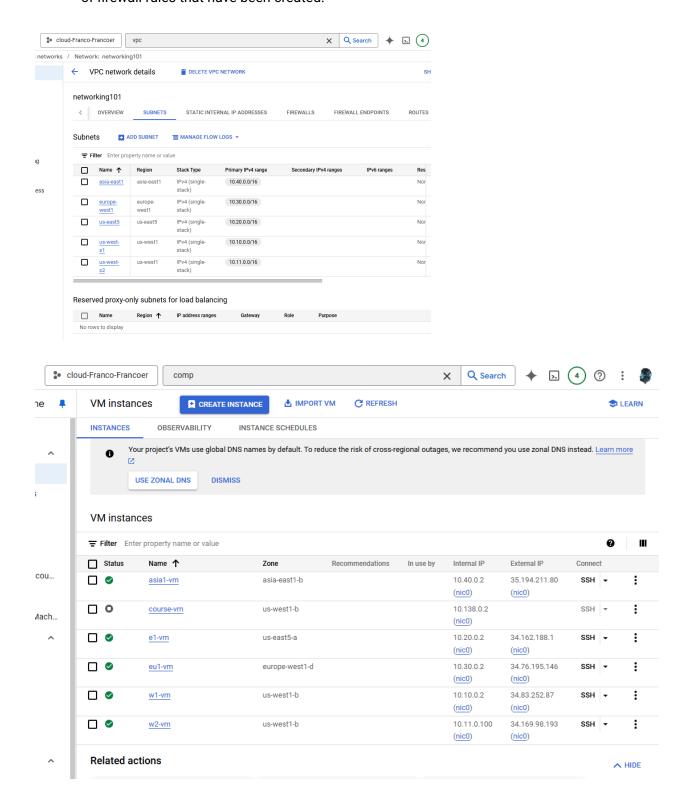




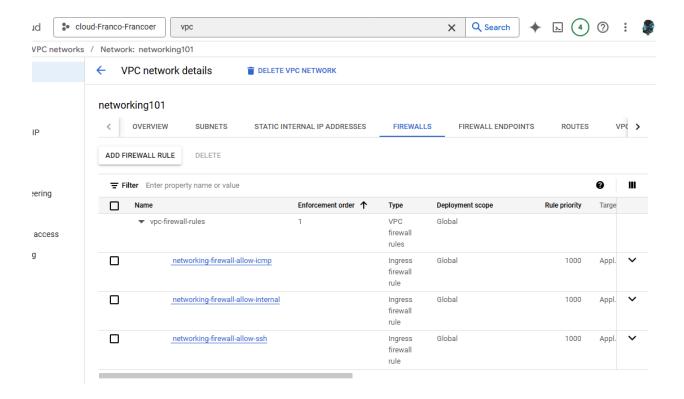
```
NAME: surest1
NAME: surest2
NAME: surest3
NAME: surest4
NAME: surest4
NAME: surest4
NAME: surest5
NA
```

- Take a screenshot of the output to include in your lab notebook. How many networks, subnetworks, and VM instances have been created?
 - o 5 Instances, 5 subnetworks, and 1 network

 Visit the web console for VPC network and show the network and the subnetworks that have been created. Validate that it has created the infrastructure in the initial figure. Note the lack of firewall rules that have been created.



- Click on the ssh button for one of the VMs and attempt to connect. Did it succeed?
 - o No the connection to the proxy failed



Location pair	Ideal latency	Measured latency
us-west1 us-east5	~45 ms	~57
us-west1 europe-west1	~93 ms	~140
us-west1 asia-east1	~114 ms	~131
us-east5 europe-west1	~76 ms	~94
us-east5 asia-east1	~141 ms	~178
europe-west1 asia-east1	~110 ms	~250

- Are the instances in the same availability zone or in different ones?
 - o Different zones
- List all availability zones that your servers show up in for your lab notebook.
 - o Region and Zone: us-east5-c
 - o Region and Zone: europe-west1-d



Networking 101 Lab

Client IP

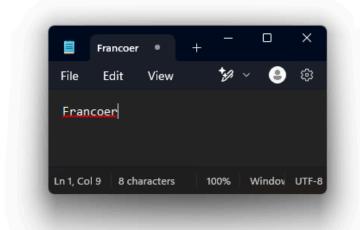
Your IP address: 35.191.32.97

Hostname

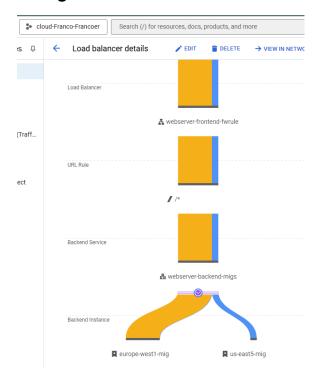
Server Hostname: us-east5-mig-k3ss

Server Location

Region and Zone: us-east5-c



- Which availability zone does the server handling your request reside in?
 - o us-east5-c



Nothing happened after 20 min

