<https://neoconverse.graphapp.io/>

gpt-4o

OpenAI Key: sk-proj-hAfp0Y49fl3-BLWVTCbdvJ\_aWG-Lw8sSzhaip5IC2UgsxNxsVqi5klyEHRUU1athaD1cufol7aT3BlbkFJRUyinFnL4B7PEgbHmq5QL2yAV8JV2xiG6\_sGxr7pvCc\_cgZBltbaPK1OBCQyyofw56WqZaec8A

**LLM Agent Schema**

Node Labels and Properties with type

[“AWSAccount”]:[[“firstseen”, “int”], [“id”, “int”], [“lastupdated”, “int”], [“inscope”, “boolean”], [“name”, “string”]

[“RDSInstance”]:[[“arn”, “string”], [“availability\_zone”, “string”], [“backup\_retention\_period”, “int”], [“db\_cluster\_identifier”, “string”], [“some-prod-db-iad”, “”], [“db\_instance\_class”, “string”], [“db\_name”, “string”], [“endpoint\_address”, “string”], [“endpoint\_port”, “int”], [“engine”, “string”], [“engine\_version”, “string”], [“id”, “string”], [“multi\_az”, “boolean”], [“publicly\_accessible”, “boolean”], [“storage\_encrypted”, “boolean”]]

[“EC2Instance”]: [ [“id”, “string”], [“instanceid”, “string”], [“instancetype”, “string”], [“publicipaddress”, “string”], [“privateipaddress”, “string”], [“state”, “string”], [“exposed\_internet”, “boolean”], [“region”, “string”], [“account\_id”, “string”], [“publicdnsname”, “string”], [“account\_id”, “string”] ]

[“S3Bucket”]: [ [“arn”, “string”], [“name”, “string”], [“creation\_date”, “int”], [“region”, “string”], [“acl\_grants”, “string”], [“default\_encryption”, “boolean”], [“anonymous\_access”, “boolean” ], [“anonymous\_actions”, “array”]]

[“IAMUser”]: [ [“arn”, “string”], [“id”, “string”], [“username”, “string”], [“creation\_time”, “int”], [“path”, “string”], [“account\_id”, “string”] ]

[“AWSPrincipal”]: [ [“arn”, “string”], [“principal\_type”, “string”],[“account\_id”, “string”], [“principal\_name”, “string”], [“creation\_time”, “int”] ]

[“AWSPolicy”]: [ [“arn”, “string”], [“policy\_id”, “string”], [“name”, “string”], [“path”, “string”], [“default\_version\_id”, “string”], [“policy\_document”, “string”], [“attachment\_count”, “int”], [“is\_attachable”, “boolean”], [“description”, “string”], [“create\_date”, “int”], [“update\_date”, “int”] ]

[“LoadBalancer”]: [ [“arn”, “string”], [“exposed\_internet”, “boolean”],[“name”, “string”], [“dnsname”, “string”], [“type”, “string”], [“scheme”, “string”], [“state”, “string”], [type”, “string”], [“region”, “string”], [“createdtime”, “int”] ]

[“GitHubRepository”]: [ [“id”, “int”], [“name”, “string”], [“full\_name”, “string”], [“description”, “string”], [“language”, “string”], [“private”, “boolean”], [“archived”, “boolean”], [“disabled”, “boolean”], [“fork”, “boolean”], [“stargazers\_count”, “int”], [“watchers\_count”, “int”], [“forks\_count”, “int”], [“open\_issues\_count”, “int”], [“created\_at”, “int”], [“updated\_at”, “int”], [“pushed\_at”, “int”] ]

[“ProgrammingLanguage”]: [ [“name”, “string”], [“type”, “string”], [“paradigm”, “string”] ]

[“Dependency”]: [ [“name”, “string”], [“version”, “string”], [“license”, “string”], [“source”, “string”], [“is\_direct\_dependency”, “boolean”], [“vulnerability\_count”, “int”] ]

Accepted Relationships paths or patterns

“(:AWSAccount)-[:RESOURCE]->(:RDSInstance)”

“(:LoadBalancer)-[:ELBV2\_LISTENER]->(:ELBListener)”

“(:GitHubRepository)-[:LANGUAGE]->(:ProgrammingLanguage)”

“(:GitHubRepository)-[:REQUIRES]->(:Dependency)”

“(:DNSRecord)-[:DNS\_POINTS\_TO]-(:DNSRecord)”

**Few shot examples:**

* Q. What RDS instances are installed in my AWS accounts?
* A. MATCH (aws:AWSAccount)-[r:RESOURCE]->(rds:RDSInstance) return \*
* Q. Which RDS instances have encryption turned off?
* A. MATCH (a:AWSAccount)-[:RESOURCE]->(rds:RDSInstance{storage\_encrypted:false}) return a.name, rds.id
* Q. Which EC2 instances are exposed (directly or indirectly) to the internet?
* A. MATCH (instance:EC2Instance{exposed\_internet: true}) RETURN instance.instanceid, instance.publicdnsname
* Q. Which ELB LoadBalancers are internet accessible?
* A. MATCH (elb:LoadBalancer{exposed\_internet: true})—->(listener:ELBListener) RETURN elb.dnsname, listener.port ORDER by elb.dnsname, listener.port
* Q. Which S3 buckets have a policy granting any level of anonymous access to the bucket?
* A. MATCH (s:S3Bucket) WHERE s.anonymous\_access = true RETURN s
* Q. what are the possible labels for all nodes connected to all EC2 instance nodes in my graph?
* A. match (d:EC2Instance)--(n) return distinct labels(n);

**Questions for NeoConverse:**

## What are the possible labels for all nodes connected to all EC2 instance nodes in my graph?

## Which RDS instances have [encryption](https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Overview.Encryption.html) turned off?

## Which [EC2](https://aws.amazon.com/ec2/) instances are exposed (directly or indirectly) to the internet?

* which RDS instance is publically accessible in AWS account?

## Which [S3](https://aws.amazon.com/s3/) buckets have a policy granting any level of anonymous access to the bucket?

## Which [ELB](https://aws.amazon.com/elasticloadbalancing/) LoadBalancers are internet accessible?

## What languages are used in a myrepo GitHub repository?

## What are the dependencies used in a myrepo GitHub repository?

## Given a langchain dependency, which GitHub repos depend on it?