



graph TD GCP["Google Cloud Platform
Sistema Distribuído de Log"] GCP --> NODE1 GCP
--> NODE2 GCP --> NODE3

NODE1[" Node 1: Iowa,
USA

IP: 34.55.87.209
ID:
8001
e2-micro · 1GB RAM
FastAPI + Lamport + Bully"] NODE2[" Node 2: São
Paulo, Brasil

IP: 34.95.212.100
ID:
8002
e2-micro · 1GB RAM
FastAPI + Lamport + Bully"] NODE3[" Node 3: Sydney,
Austrália

IP: 35.201.29.184
ID: 8003
LÍDER
e2-micro · 1GB RAM
FastAPI + Lamport + Bully"]

NODE1 -. -> |"HTTP/
REST
~8.000 km
294 ms"| NODE2
NODE2 -. -> |"HTTP/REST
~15.000 km
19
ms"| NODE3
NODE1 -. -> |"HTTP/REST
~13.000 km
652 ms"| NODE3

NOTE["Distância Total: ~36.000 km
Replicação Single-Leader
Comunicação via
Internet"]

NODE3 -. -> NOTE classDef rootStyle fill:#f9f9f9,stroke:#333,stroke-
width:2px,color:#000 classDef nodeStyle fill:#fff,stroke:#666,stroke-width:2px,color:#000,stroke-
dasharray:0 classDef leaderStyle fill:#fff,stroke:#000,stroke-width:3px,color:#000 classDef
noteStyle fill:#f5f5f5,stroke:#999,stroke-width:1px,color:#666,font-size:14px class GCP rootStyle
class NODE1,NODE2 nodeStyle class NODE3 leaderStyle class NOTE noteStyle