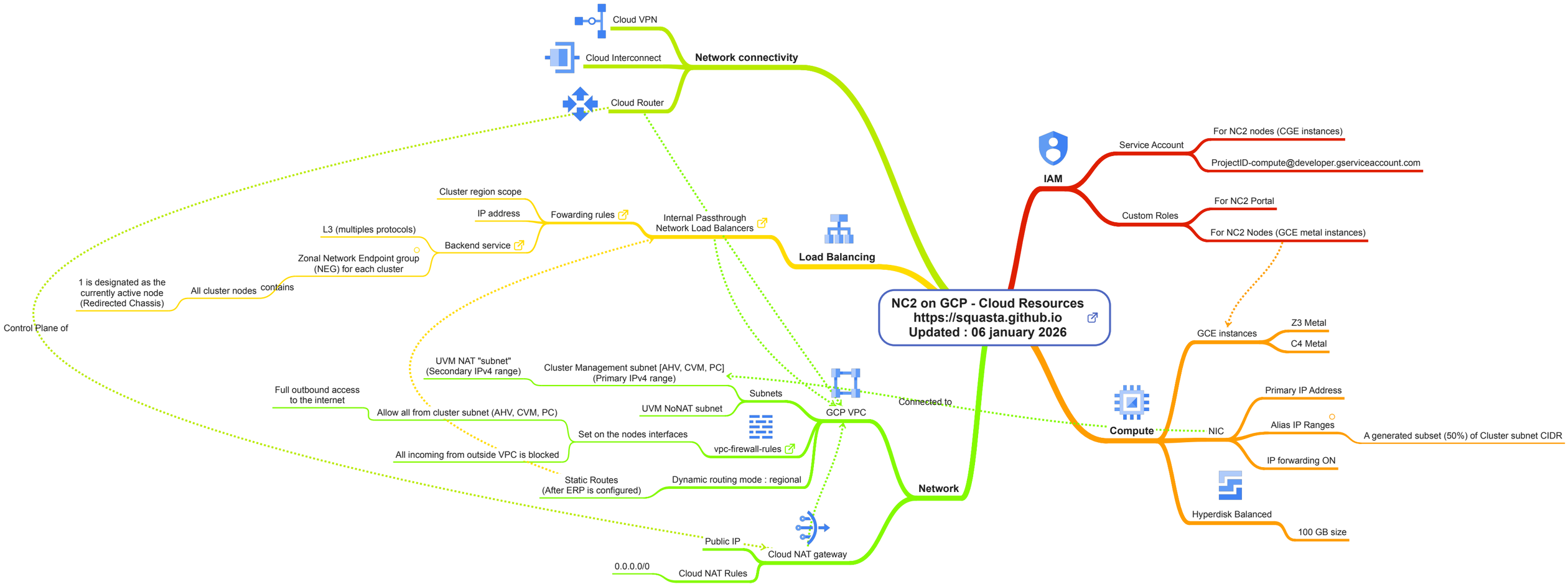
NC2 on GCP - Cloud Resources
https://squasta.github.io
Updated : 06 january 2026
IAM
Service Account
For NC2 nodes (CGE instances)
ProjectID-compute@developer.gserviceaccount.com
Custom Roles
For NC2 Portal
For NC2 Nodes (GCE metal instances)
Compute
GCE instances
Z3 Metal
C4 Metal
NIC
Primary IP Address
Alias IP Ranges
A generated subset (50%) of Cluster subnet CIDR
IP forwarding ON
Hyperdisk Balanced
100 GB size
Network
Connected to
GCP VPC
Subnets
Cluster Management subnet [AHV, CVM, PC]
(Primary IPv4 range)
UVM NAT "subnet"
(Secondary IPv4 range)
UVM NoNAT subnet
vpc-firewall-rules
Set on the nodes interfaces
Allow all from cluster subnet (AHV, CVM, PC)
Full outbound access
to the internet
All incoming from outside VPC is blocked
Dynamic routing mode : regional
Static Routes
(After ERP is configured)
Cloud NAT gateway
Public IP
Cloud NAT Rules
0.0.0.0/0
Load Balancing
Internal Passthrough
Network Load Balancers
Fowarding rules
Cluster region scope
IP address
Backend service
L3 (multiples protocols)
Zonal Network Endpoint group
(NEG) for each cluster
contains
All cluster nodes
1 is designated as the
currently active node
(Redirected Chassis)
Control Plane of
Network connectivity
Cloud VPN
Cloud Interconnect
Cloud Router