Public Cloud – GCP Network – Load Balancer

Objective	To provide the applications with load balancing capability which can scale to the demand to distribute network traffic equally external or internal across globe & regions **Consideration:** ▪ Define supported backends like VM, containers and serverless functions. ▪ Define support for Layer 4 (TCP/UDP) and Layer 7 (HTTP/HTTPS) traffic. ▪ The high availability and scalability capabilities ▪ Certificates for HTTPS and TLS workloads ▪ Protections with Security integrations like WAF i.e. Cloud Armour ▪ Guardrails and security policies for restrictions
Acceptance Criteria	Conditions required to be successful, you can think of any function or non-functional criteria here: ▪ *Ability to support different workloads/backend types on Layer 4 and 7* ▪ *Ability to support different traffic types external or internal.* ▪ *Seamlessly scale to meet the demand of load/Network Traffic* ▪ *Distribute traffic to the backends across regions and zones with different load balancing algorithms* ▪ *Handle certificates to provide SSL terminations.* ▪ *Provide integration with network security services against DDoS attacks.* ▪ *Provide single plane of glass monitoring capability for metrics and logging.* ▪ *Service engineering environments to test the functionality and scale to signoff ETLC certification* ▪ *Seamless and Complaint deployments through SDLC products*
Stakeholders	EUC, SOC, Infrastructure Defence and CTI Network, CTI Platform, CTI Compute
Resourcing	CTI Cloud Network Infrastructure – 2E x 9 months CTI Cloud Compute – 1E x 3 months CTI Cloud Platform - 1E x 3 months CISO – Network Security – 1E x 5 months
Milestones	The Internal type of load balancers can be provided by March and the external has a dependency on the Internet Ingress Initiative completion
Submitter	Manokaran Karuppusamy

Please reach out to Haripriya Jagannathan/Siddhi Revandkar/Dolapo Kukoyi once the document is ready for review and post it in **GCP Public Cloud Enablement-CTI-NAM** >> **Foundations** channel >> **EPICs + User Stories** File by Oct 3rd

For Reviewers Use Only

Feedback	Feedback will be provided by reviewers here. Reviewers should record feedback as follow. Date – Reviewer Name – Feedback e.g. 2 Oct, 2024 – Mo Alslaoom – consider deletion of requested accounts to be added to success criteria.
Status	Review | Approved

Domain: EPIC Title

Objective	To deploy and host F5 load balancer on GCP compute to load balance UAG services to support VDI architecture on Cloud
Acceptance Criteria	Conditions required to be successful, you can think of any function or non-functional criteria here: ▪ *To provide functionality with Omnissa frontend service i.e. UAG* ▪ *High availability and scalability* ▪ *To provide load balancer capabilities like distribution and stickiness* ▪ *Network connectivity to connect from and to On-premises* ▪ *Provide single plane of glass monitoring capability for metrics and logging* ▪ *Seamless and Complaint deployments through SDLC products* ▪ *Handle certificates to provide SSL terminations*
Stakeholders	EUC, SOC, Infrastructure Defence and CTI Network
Resourcing	CTI Cloud Network Infrastructure – 2E x 8 months CTI On-premises Network Infrastructure – 2E x 6 months CTI Cloud Compute and Storage – 1E x 4 months CISO – Network Security – 1E x 6 months
Milestones	The Internal type of load balancers can be provided by March and the external has a dependency on the Internet Ingress Initiative completion
Submitter	Manokaran Karuppusamy

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Feedback	
Status	