Domain: GCP PubSub

e.g. Public Cloud Accounts: GCP Onboarding

Objective	As an HPC engineer I want to test the use of cloud native message queues in the solution **Consideration:** ▪ RabbitMQ is an on premises solution ▪ RabbitMQ could be built in the cluster but pubsub would be a simpler design ▪ Pubsub would enable easier automated testing to be performed on ephemeral environments. ▪ A foundation module for pubsub already exists in TFE
Acceptance Criteria	Conditions required to be successful, you can think of any function or non-functional criteria here: • The pubsub queue needs to be able to be read from two different regions • The pubsub queue needs to support multiple concurrent reads • The pubsub queue needs to support the throughput (10,000 messages / second)?
Stakeholders	XCS
Resourcing	Terraform Module design, build and test – 1 FE x 1 week – foundational version exists Design build and test pubsub solution – 1 FE x 1 months Observability – ? – Capture metrics for pubsub and feed to observability? Operations – ? CISO - ? Guardrails - ?
Milestones	Describe what can be reasonably delivered by March and any future milestones • October – Raise RFI for Pubsub • November – Design build and test solution • December – Raise RFP – make decision to proceed or not
Submitter	David Butland

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 >> **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: User Story Title

Objective	
Acceptance Criteria	
Stakeholders	

Resourcing	
Milestones	
Submitter	

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Feedback	
Status	