

Domain: GCP Artifact Registry – optional improvement

e.g. Public Cloud Accounts: GCP Onboarding

Objective	<p>As an HPC engineer I want to be able to scale up my clusters quickly and reliably. The cluster needs to be efficient at pulling the container images from artifactory</p> <p>Consideration:</p> <ul style="list-style-type: none"> ▪ Artifactory is the on-premises master image repository ▪ The complexity and latency of pulling images from on-premises adds complexity ▪ The rapid scaling of the clusters causes caches to be ineffectual at scale up
Acceptance Criteria	<p>Conditions required to be successful, you can think of any function or non-functional criteria here:</p> <ul style="list-style-type: none"> • The cluster needs to be able to pull an image quickly from the repository • This image needs to be mastered in artifactory but cached in the cloud • The image lifecycle must ensure that an image is removed from the cloud if deleted from artifactory
Stakeholders	XCS
Resourcing	<p>Terraform Module design, build and test – 1 FE x 1 week – foundational version exists</p> <p>Artifactory Cache Lifecycle design, build and test – 1 FE x 1 months</p> <p>Observability – ? – should be no real requirement here</p> <p>Operations – ? – should be no real requirement here</p> <p>CISO - ? – should be no real requirement here</p> <p>Guardrails - ? – model will be a pull model so no additional guardrails required?</p>
Milestones	<p>Describe what can be reasonably delivered by March and any future milestones</p> <ul style="list-style-type: none"> • October – Raise RFI for Artifact Registry Cache • 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	<p>Feedback will be provided by reviewers here. Reviewers should record feedback as follow.</p> <p>Date – Reviewer Name – Feedback</p> <p>e.g. 2 Oct, 2024 – Mo Alslaoom – consider deletion of requested accounts to be added to success criteria.</p>
Status	Review Approved

Domain: User Story Title

Objective	
Acceptance Criteria	
Stakeholders	



Resourcing	
Milestones	
Submitter	

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Feedback	
Status	