Apollo Capacity Requirement [Dec-2024]

Capacity Requirements Template				Comments
Application Informations	**Application (New/ Existing)**	Existing		New/Existing
	Service Name & GA ID	**Apollo SCOT (51644)**		Mention the Application name & GA ID
	Business Criticality	BC4		Business Criticality of the Application
	Service - Overview	Apollo SCOT (Standard Chartered Online Trading) is an omni-channel trading platform which allows Standard Chartered clients to trade Equities products on multiple exchanges in Asia, Europe and North America. Apollo SCOT also provides back office functionalities that can be used by Standard Chartered staff in branches, Call Centres, dealing desks and operations. This application is live in SG and UAE. This project aims to achieve the following objectives: 1. Improves customer experience through a dynamic and intuitive user experience which is aligned to NextGen's. 2. Reduces obsolescence risk and enabling platform scalability, availability and resilience by leveraging on cloud technologies. Apollo SCOT will use the Bank's approved AWS region in Hong Kong. The service is to deliver a cloud ready solution build using APIs and microservices, HTML, iOS and Android. 3. Customer data provided by customers and/or used in Apollo SCOT would be stored in cloud with data encryption and other security controls as per the Bank's standards; and retain in full adherence to the Group and country data retention and archival policies. The upgraded infrastructure, with the cloud implementation, is in line with the standardized platform convergence strategy, more robust, safe and provide a scalable platform for faster time to market and enhanced client experience.		Briey provide overview about the Application
	Service Dependants	eBBS, ForgeRock, Strauss, Splunk, OUD, OneCert, MAR, UBS (external), LABCI (external), TREP For more information please refer here		Provide Upstream & Downstream dependency services
	Business Peak & Non Peak hours	Peak hours: 5.5 hours: (placeholder) 1. 8:15-9:45am SGT = 1.5 hour 2. 4:00-5:30pm SGT = 1.5 hour 3. 9:15-10:15pm SGT = 1 hour 4. 3:45-5:15am SGT = 1.5 hour		Mention the Peak and Non Peak hours of the Business
	Service Level Requirements	Availability		Key Service level requirements (Availability, Resolution Targets etc.,)
	Service Forecast	10% YoY increase		Projected Growth Rate in % for at the least upcoming 1 year considering the Upstream and Downstream of the application Dependencies for any changes to the Technology Landscape.
	Capacity Requirement Tenure (Months)	12-Month		Planning period must not exceed 12 months
	Implementation Date of Requirement	(placeholder)		DD-MM-YYYY
Service Capacity Requirements		**Maximum (placeholder)**	**Average (placeholder)**	
	Number of concurrent users	2,600 (AE) + 2,600 (MY) + 12,960 (SG)	1,300 (AE) + 1,300 (MY) + 4,394 (SG)	Max and Avg Concurrent users expected
	Number of transactions (Number of Login per year)	5,000,000 (AE) + 5,000,000 (MY) + 9,865,700 (SG)	2,500,000 (AE) + 2,500,000 (MY) + 4,932,850 (SG)	Forecasted Max and Avg Transactions
	Performance (average response time, error rates, trac,)	10 sec		Specify the Performance parameters of the Services
	Application Workloads	N/A		Specify workloads of Applica° on (other than above 3 parameters)
Technology Requirements	**IT Service components**	**Component Details**	**Quantity**	Mention the Infrastructure Domains
	Server Specs	EC2, DB, EFS, ALB, NLB	Elastic	Provide Infrastructure component requirements and its quantity to cater the next 12 months growth

	Storage in GB	EFS, S3 Database	Elastic 1 TB	
	Network Bandwidth	Up to 10 Gbps	N/A	
	Mainframe requirements	N/A	N/A	
	Others	N/A	N/A	
Availability	**Is the Capacity of the DR environment same as Production**	The components of Apollo system, including the database of the system, are deployed in multiple AZs (Availability Zones) in an active-active and active-passive setup in AWS Public Cloud's HK region. The primary site and DR site are same Technology limitations prevent three components (OMS, Batch and Feed) from auto scaling in the cloud. This entails deploying fixed number of instances, OMS (6 instances), Feed (2 instances) and Batch (1 instance) across AZ's to provide enhanced up time. However, to enhance resilience each component has a corresponding warmpool of standby components. in an active/passive topology. In the event of the primary component failing, it will be automatically replaced by the standby.	DR is Mandatory and capacity in DR must match the Production. Sign o from Business Owner must be provided as exception if there is Non compliance on DR Capacity
References	**Attach the Architecture Diagram**	Apollo Cloud Architecture	Provide the architecture diagram
	Provide the Test results (SIT/ UAT)	Apollo/Global Stack - Release Level Test Closure Report - Sept 10 2022 Release	Share the test results to provide justication for the Capacity requirements
Review & Approvals	**Review & Approve the Requirement**	AE: (placeholder)  	Provide approvals from Business Technology Service Owner and Technology Service Owner
		MY: (placeholder)  	

		SG: (placeholder)