Project Design Phase-II
Technology Stack (Architecture & Stack)

Date	17 October 2022
Team ID	PNT2022TMID13624
Project Name	Project–Analytics for hospitals health-care data
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2
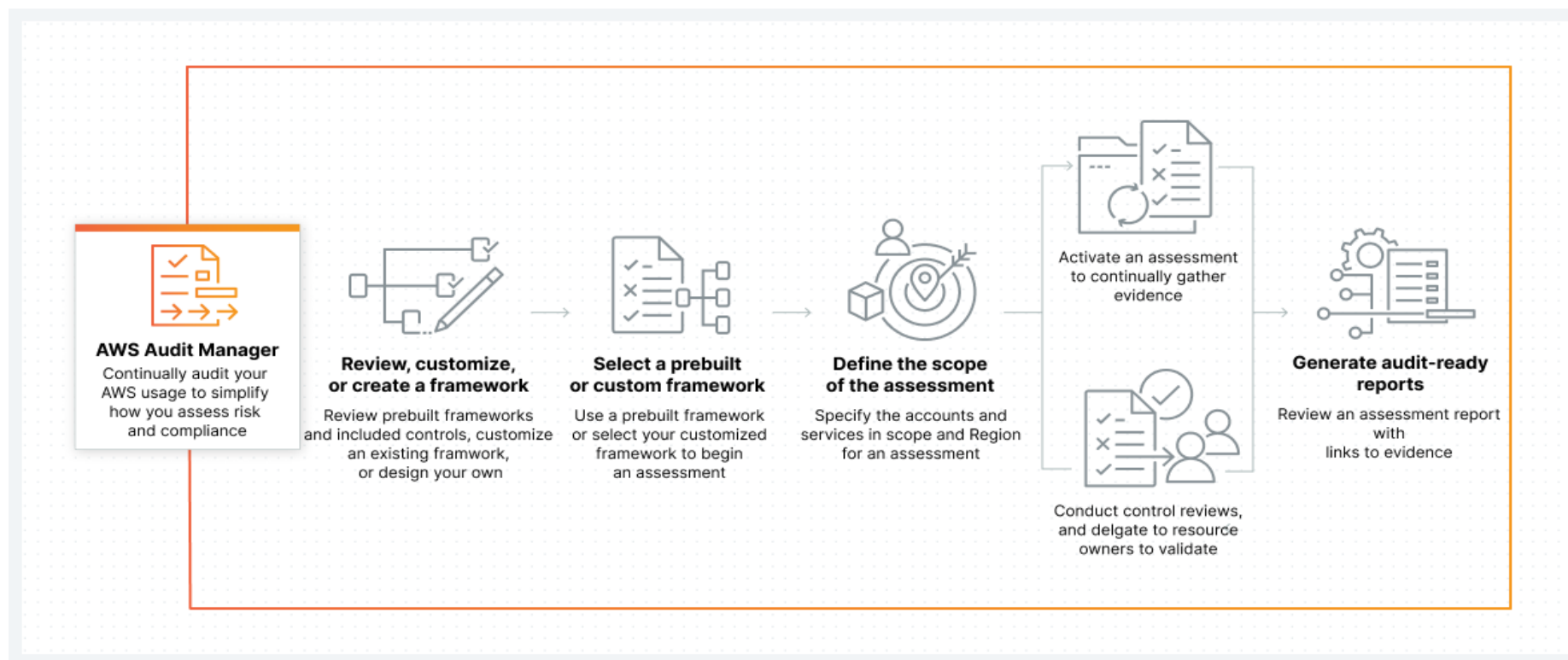
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	Application	How user interacts with application	IBM Cognos analytics
2.	Data preparation	Cleaning the data	IBM Cognos analytics
3.	Data exploration	Analyzing the data	IBM Cognos analytics
4.	Data visualization	Creating dashboards and visualizations	IBM Cognos analytics
5.	Database	CSV file	MySQL, Spreadsheets
6.	Cloud Database	Database Service on Cloud	IBM Cloud
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem

Table-2: Application Characteristics:

S. No	Characteristics	Description	Technology
1.	Open-Source Frameworks	To generate evidence about all aspects of healthcare.	IBM Cognos analytics
2.	Security Implementations	Healthcare extends to every place that data could be used or accessed – including the endpoint.	Access technologies in Cognos analytics
3.	Scalable Architecture	Proposes a novel data lake architecture to reduce the data ingestion time and improve the precision of healthcare analytics.	IBM Cognos analytics
4.	Availability	Analyzing current and historic industry data to trends, improve outreach, and manage the spread of diseases.	IBM Cognos analytics
5.	Performance	The application provides fast analysis results and visualizations in seconds	IBM Cognos analytics