

ANALYTICS FOR HOSPITAL'S

HEALTH-CARE DATA

PROJECT DESIGN PHASE -II

Technology Architecture

| | |
|--------------|---|
| DATE | 17 October 2022 |
| TEAM ID | PNT2022TMID47568 |
| PROJECT NAME | Analytics for Hospitals' Health-care data |
| MARKS | 4 Marks |

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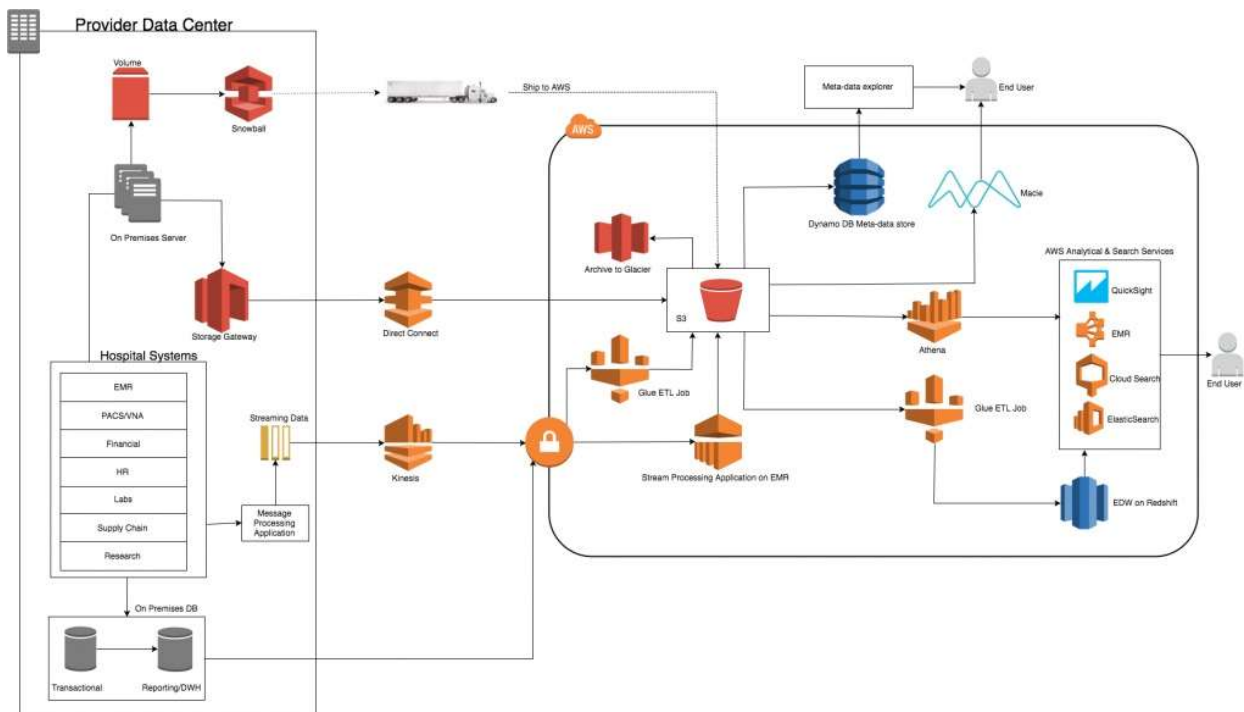
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Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table 2.

Example: Analytics for hospital's health care data



Guidelines:

- Harmonizing healthcare-specific data types.
- Developing portable cohort definitions, clinical measurement. definitions, and dashboards.
- Providing relevant datasets for integration into your analytics.
- Secure sharing of aggregated data subsets with others.

Table-1 : Components & Technologies:

| S.NO | Components | Description | Technology |
|-------------|-------------------|---------------------------|-------------------|
| 1 | User Interface | Dashboard | Python |
| 2 | Database | Patients Medical History | MySQL |
| 3 | Cloud Database | Database Service on Cloud | IBM Cloud |
| 4 | File Storage | File Storage requirements | Local file system |

Table-2: Application Characteristics:

| S.No | Characteristics | Description | Technology |
|-------------|------------------------|------------------------------------|-------------------|
| 1 | Open-Source Frameworks | IBM Watson with Cognos Analytics | IBM Watson |
| 2 | Availability | Hospital Healthcare Data Analytics | IBM Cloud |
| 3 | Performance | IBMCognos Analytics with Watson | IBM Cloud |