



HEALTH INFORMATICS CENTRE, MINISTRY OF HEALTH MALAYSIA HEALTH DATA WAREHOUSE (MyHDW)

Overview

- Vertical / Sector: Health
- User Profile: Ministry of Health Malaysia (MOH)

Problem Statement

MOH faced critical challenges in:

- Needs for automated data integration to a centralized data warehouse
- High data integrity and quality
- Data and information dissemination with high level of accessibility
- Requirement for increasing efficiencies in data and information management within MOH

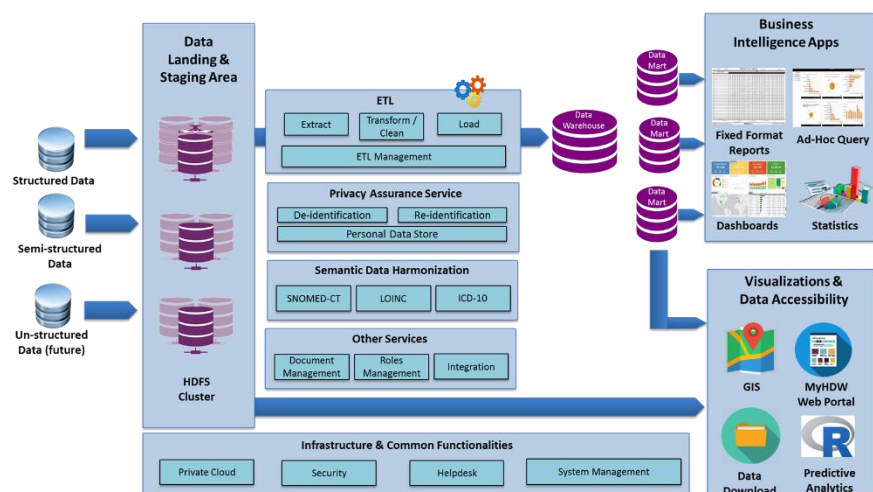
Description

Malaysia Ministry of Health (MOH) established the Health Informatics Centre, HIC (or Pusat Informatik Kesihatan, PIK) to carry out three major functions:

- 1) Health data management;
- 2) Information publication and dissemination; and
- 3) Development of Health Informatics Standards.

MyHDW is the core system for HIC as the centralized data integration for MOH and the trusted source of truth for healthcare information with data warehouse structured for query and analysis purposes. These data and information can be leveraged to better manage the health system, provide surveillance information and in addition provides a valuable source of data for research. Using various MIMOS technology platforms for MyHDW, HIC is able to produce timely and accurate reports, platforms for ad-hoc query, management dashboards, provides portal for centralized data & information disseminations and increase productivity of internal processes.

Solution Framework



Technology platform

- Mi-AccLib
- Mi-ARMC
- Mi-BIS
- Mi-Clip
- Mi-Cloud
- Mi-Harmony
- Mi-MOCHA
- Mi-Morphe
- Mi-Portal
- Mi-ROSS
- Mi-Scrambler
- Mi-UAP

Solution Description

- Automated data integration with MIMOS Extract Transfer & Load engine
- Big Data architecture for data staging and landing area
- Easy accessibility through Business Intelligence visualisation modules and portal
- Built based on national health informatics standards
- Employs the notion of 'build once use many' with the objective of reducing the burden of data collection and processing
- Implements secure and privacy sensitive access policy
- Support sustainability through local expertise development plan in both IT and Health Informatics areas.

Features

- Supports fixed-format reports, ad-hoc reports, dashboards and drill downs.
- Integrated, interoperable and comprehensive data processing
- Information available at the 'right time'
- Data quality and security is of the highest level

Benefits

- Increase productivity with automated and faster data processing from various sources into information
- Trusted source of integrated, comprehensive and timely data for monitoring, planning and decision making for MOH.



MIMOS
TECHNOLOGY
SOLUTIONS

MIMOS Technology Solution Sdn Bhd (formerly known as Frontier Novatur Sdn Bhd "FNSB") is a wholly owned subsidiary and commercial arm of MIMOS Berhad. It was established on 17th August 2011. Its goal is to generate new technology ventures through innovation, investment and transfer of technology. MIMOS, as Malaysia's premier applied research and development institute, provides the technology, the expertise and the experience that MTSSB taps upon in order to achieve its goal.

MIMOS Technology Solutions Sdn Bhd (957459-K)

Technology Park Malaysia
57000 Kuala Lumpur

Tel: +603-8996 5000 | Fax: +603-8996 0254 | url: www.mimossolutions.my