

## Case Study

# *Novatium MCaaS for e-health project in kerala*

## Implementation of Novatium MCaaS solution on tablets for e-health projects in the state of Kerala

### Introduction

The ambitious e-health project of the Kerala State government, a World Bank-aided project that envisages the development of electronic health records (EHR) of the population and end-to-end automation of all government healthcare institutions, along with the integration of an electronic demographic database, is being implemented by the Department of Health & Family Welfare, Government of Kerala with the help of DeitY, Government of India.

The ultimate vision is about building an Integrated Healthcare Cloud to capture the demographic data, automate hospital processes and bring all information into a centralized State Health Information system through the network to ensure continuity in health care which will also be shared by the private healthcare institutions/practitioners as well and thus will hold the complete healthcare data about all the citizens in the state.

### The Business Challenges

- Patient medical records are confidential in nature. Hence traces of this data must not be left on access devices.
- Solution should have the ability to have uninterrupted operation even during the brief network outage.
- Solution should enable admin to remotely manage and support the functions like Data Wipe Off, Screen Lock, Reboot Device and Push Upgrades on the end user device(s) from a centralized web based admin console at the State Data Centre.

### About Novatium

Novatium Solutions Pvt Ltd. is a pioneer in providing enterprise grade management, security, mobility and content delivery solutions across devices and platforms to Government, enterprise and educational institutions across the country. Novatium is India's single largest cloud based end point management and delivery solutions provider with over 2 lakhs managed devices.

## Insight to Action

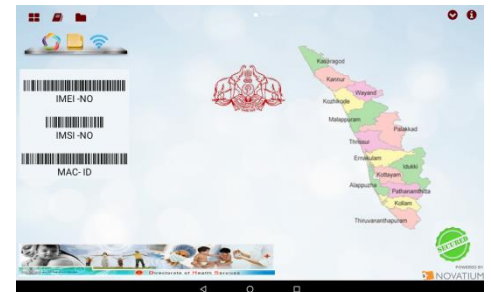
- Centralized web based solution for the integrated clinical operation.
- Seamless information flow between the field level and the centralized database for effective recording of data, follow-up & monitoring mechanism

## The Solution

- Facilitates provisioning of applications, content and any type of health applications and content through a simplified single administrator console
- The platform is made available in a container mode from which data cannot be copied out of. The data is then synced with the central medical system and all data in the access could be deleted or kept in an encrypted mode.
- As the solution is scalable, it can be expanded centrally without any hassle on the server side, the client side and the management sides as more PHC's are added and as needs expand

## The Impact

- The solution is capable of running the critical functionalities even without the connectivity so as to get synced with the central database upon restoration of the connectivity.
- Ensures efficient service delivery to the common citizen and provides a centralized database of healthcare information allowing close monitoring and control measures.



## End result Delivered

This is a robust and sustainable IT solution supporting nearly 50,000 healthcare service personnel consisting of Doctors, Paramedical and other non-clinical staff at approximately 9500 Primary, Secondary and Tertiary care centers maintained by the State Government. It shall also be scaled to include private health care providers who agree to partner with government in the provision of RSBY or Universal Health Care.