EGPAF OpenMRS Implementation

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OpenMRS General Overview

- Program covers 134 sites
- Total of 98 OpenMRS sites(82% ART coverage)
  - Version 1.11.5 covers 53 sites
  - Version 1.9.2 covers 44 sites
- Expanding to 4 additional sites

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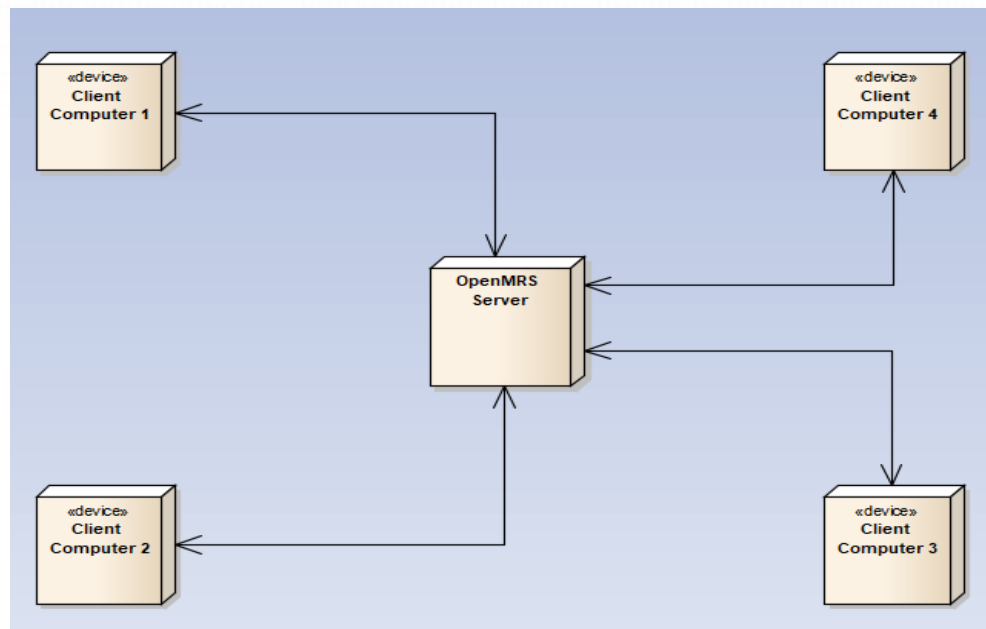
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Implemented architecture

- EGPAF adopted 3 types of architecture
  - Client and server implementation (LAN)
    - Multiple computer small network
  - Stand alone (single virtualized server instance)
    - Single Desktop computer one health facility
  - Stand alone (multiple virtualized server instance)
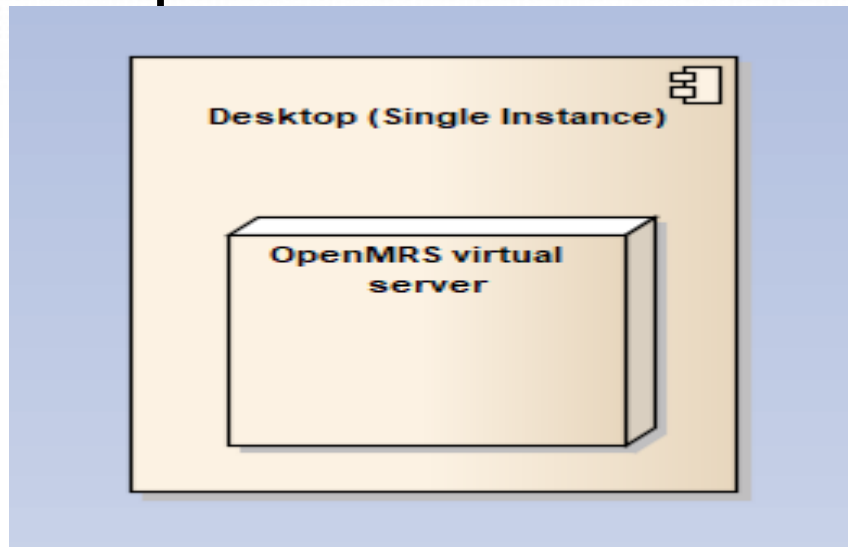   - Single Laptop more than one health facility

Client and server implementation (LAN)

One Server exist for one or more client computer depending on the need of the health facility.
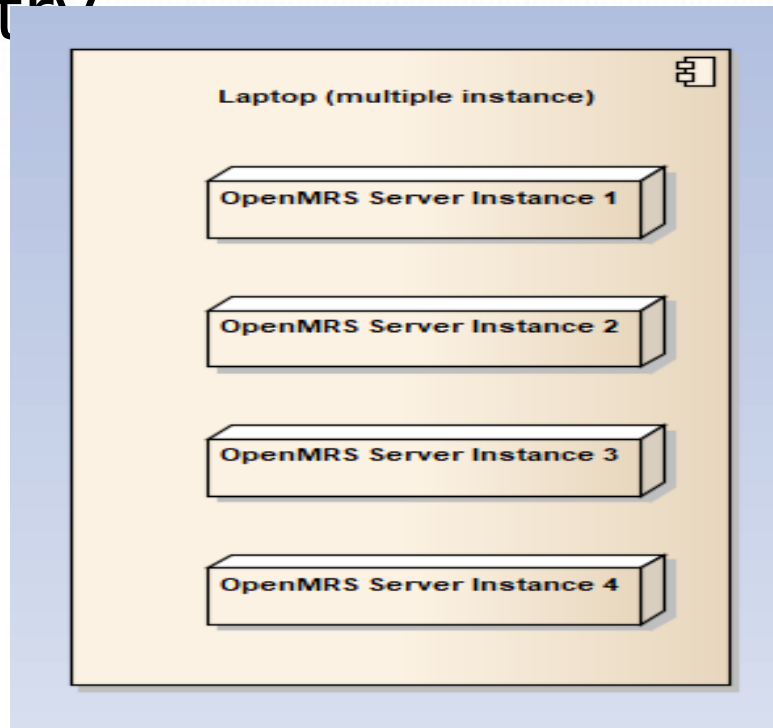
Stand alone (single virtualized server instance)

A single desktop with a single OpenMRS virtual server in health facility with medium number of patients.

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Stand alone (multiple virtualized server instance)

A single laptop with multiple OpenMRS virtual server used in health facility with low number of patient normally used as mobile data entry

The Future

- OpenMRS server synchronization from health facilities to provincial and to national server.

- Upgrade all OpenMRS site to version 1.11.5

- Conclude the expansion of OpenMRS to the 4 remaining eligible health facilities.

- Use mobile data entry to cover remaining health facilities, first on priority districts.

Challenges

- OpenMRS version 1.11.5
  - In a LAN environment very slow at the beginning but performance improved with UCSF help.
  - In stand alone desktop or Laptop slow(Aditional memory required)
- Synchronization
  - Anticipate challenges on the availability of internet to enable smooth synchronization

Required OpenMRS features to cover other program areas

- Second line regime tracking not possible
- PMTCT(ANC, Maternity e PNC, and CCR)
- TB
- Tracking different service deliver Models

Thank You

Questions?

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