Mobile Clinic EMR - Installation guide

# Overview



# Prepare Windows installation

* Uninstall AntiVirus (e.g. Symantec)
* Uninstall other 'Advertizing" app
* Uninstall everything unneeded like
  + Toshiba Bulletin Board
  + Toshiba Online Backup
  + Toshiba Security Dashboard
  + Toshiba Service Station
  + Toshiba Registration
  + Wild Tangent Games
  + . . .
* Install Microsoft Security Essentials
* Apply all Windows Updates
* Install Microsoft Office if not yet installed
* Create standard user Informatics with password and without Admin rights
* Set the Region setting in the Control Panel for the user Informatics to ‘English (United States)’
* Create standard user with the name of the clinic (e.g. Belladeres) and without password
* Assign 'default password' to Admin user
* Change name of the computer to name of the clinic (e.g. Belladeres)
* Update Google Chrome from Admin user (from Chrome menu – About Google Chrome)

# Install EMR foundation

* Install Git
  + Install with option 'run from command prompt'
* Install Java 6 (if not yet installed)
  + Disable Java Automatic Update
* Install MySQL
  + Follow instructions from http://wiki.openmrs.org/display/docs/Step+4+-+Install+MySQL, but don't change the default installation directory
  + Make sure character set UTF8 is chosen
  + Make sure that the Mysql\bin directory is added to the system-wide PATH environment variable
* Modify system-wide environment variable PATH and add the java bin directory to it (e.g. c:\Program Files (x86)\Java\jre6\bin)
* Add new system-wide environment variable JRE\_HOME with shortname path to the Java JRE installation (e.g. c:\PROGRA~2\java\jre6)
  + Make sure that no spaces are in the path. Use ‘dir /x c:\’ from the command prompt to find out the shortname of a path.

# Install EMR runtime

* Create directory c:\Users\Informatics\AppData\Roaming\OpenMRS
  + Note that the directory AppData is hidden by default.
* Extract apache-tomcat ZIP file under c:\Users\Informatics\AppData\Roaming\OpenMRS
  + Make sure that there are not 2 apache-tomcat-… folders nested into each other
* Copy file openmrs.war to TOMCAT\_DIR\webapps
* Start Tomcat with script under TOMCAT\_DIR\bin\startup.bat
* Open http://localhost:8080/openmrs in web browser
  + follow default installation
  + choose 'default password' as password
  + wait until setup completes (can take 15 minutes)
* Set http://localhost:8080/openmrs as browser startup/homepage

# Configure EMR data for Mobile Clinic

* Get a USB flash drive with a backup of a system
* Go to <latest backup directory>\openmrs-module-haitimobileclinic-tools\backup
  + Note that you the restore needs to be invoked **from** the flash drive itself, not from the installation directory on drive C.
* Invoke restore.bat
* Start Tomcat again

Now a fully functional system should exist together with the most recent data from the USB backup flash drive.

# Finalize installation

* Run script updater\update-emr.bat
* Create shortcuts on the Desktop and start menu to quickly invoke some scripts
* <TOMCAT\_HOME>\bin\startup.bat
* <TOMCAT\_HOME>\bin\shutdown.bat
* backup\backup.bat
* updater\update-emr.bat
* the folder c:\Users\Informatics\AppData\Roaming\OpenMRS\openmrs-module=haitimobile-clinic\tools
* misc\open\_mysql\_shell.bat
* Link to http://localhost:8080/openmrs

# Fresh configurations without restoring data from a backup

In case no backup of old data is available to restore an installation or a completely new location needs to be set up, additional configurations (mainly through OpenMRS Global Properties) need to be applied. Following is the list of properties that need to be changed or added after finishing the installation of the EMR runtime and preparation of the openmrs-module-haitimobileclinic-tools directory.

* Copy openmrs-module-haitimobileclinic-tools from another backup to c:\Users\Informatics\AppData\Roaming\OpenMRS
* Copy folder modules from openmrs-module-haitimobileclinic-tools to c:\Users\Informatics\AppData\Roaming\OpenMRS
* Start and shut down OpenMRS once (will take some minutes)
* Run script updater\update-emr.bat

|  |  |
| --- | --- |
| Property name | Value |
| concept.reasonExitedCare | 1811 |
| default\_locale | fr |
| default\_location | <name of location> |
| formentry.enableDashboardTab | false |
| haitimobileclinic.epiInfoEncounterType | EpiInfo visit |
| haitimobileclinic.numeroDossier | Numewo Dosye |
| haitimobileclinic.primaryCareReceptionReceiptNumberConcept | PIH: Receipt number |
| haitimobileclinic.primaryCareVisitCodedDiagnosisConcept | PIH: ZL Primary care diagnosis |
| haitimobileclinic.primaryCareVisitNonCodedDiagnosisConcept | PIH: ZL Primary care diagnosis non-coded |
| haitimobileclinic.primaryIdentifierType | Mobile Clinic Dossier Number |
| haitimobileclinic.registrationEncounterTypes | Patient Registration|Mobile Clinic Reception|Mobile Clinic Consultation|Static Clinic Enrollment Visit |
| haitimobileclinic.registrationLocations | <name of location> |
| haitimobileclinic.supportedTasks | patientRegistration|mobileClinicReception|mobileClinic|primaryCareReception|primaryCareVisit|retrospectiveEntry|patientLookup|reporting|viewDuplicates |
| haitimobileclinic.mobileClinicReceptionEncounterType | Mobile Clinic Reception |
| haitimobileclinic.mobileClinicReceptionTbScreeningConcept | 6744 |
| mail.from | zlmobileclinics@gmail.com |
| mail.password | Got2LuvYa |
| mail.smtp.starttls.enable | true |
| mail.smth\_auth | true |
| mail.smtp\_host | smtp.gmail.com |
| mail.smtp\_port | 587 |
| mail.transport\_protocol | smtps |
| mail.user | zlmobileclinics@gmail.com |
| namephonetics.familyName2StringEncoder | Double Metaphone Alternate |
| namephonetics.givenNameStringEncoder | Double Metaphone Alternate |
| namephonetics.familyNameStringEncoder | Double Metaphone Alternate |
| namephonetics.middleNameStringEncoder | Double Metaphone Alternate |
| patient.viewingAttributeTypes | Telephone Number |
| patient.listingAttributeTypes | Telephone Number |
| scheduler.password | Admin123 |
| scheduler.username | admin |
| security.passwordRequiresDigit | false |
| security.passwordRequiresUpperAndLowerCase | false |