





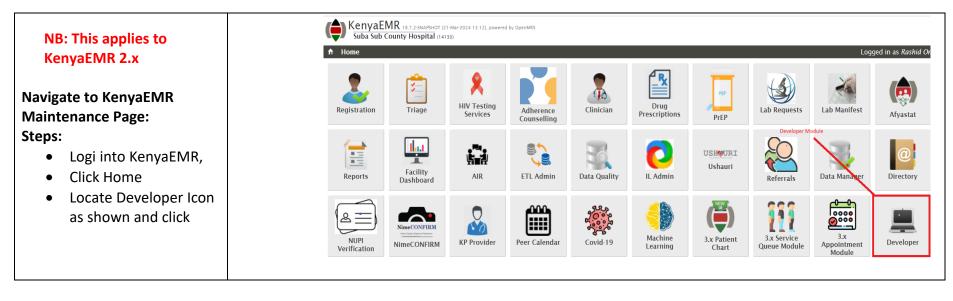
## **SOP: Setting Up System Schedulers for Various Tasks**

(Last update: April 2024)

TASK:	Setting Schedulers for Various tasks in KenyaEMR	
OBJECTIVE:	Optimize system performance by effectively setting up time-based events in EMR	
WHO:	Facility System Admin, Partner supporting site HIS staff	
REQUIREMENTS:	Functional KenyaEMR, Knowledge on Scheduler functions	

## **SECTION 1: Navigating to the Schedulers in KenyaEMR**

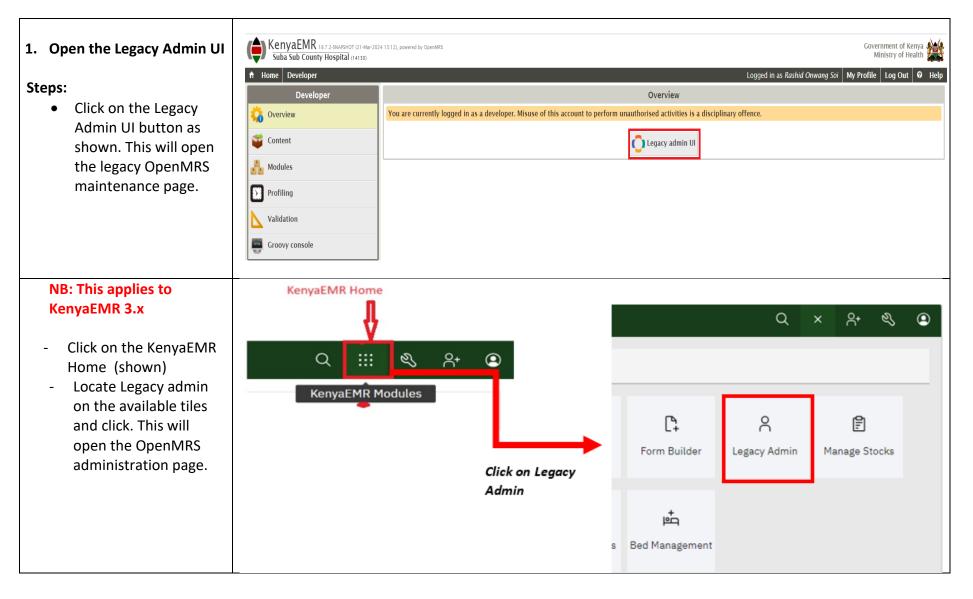
Scheduler Management: Schedulers are important in KenyaEMR to execute routine and repetitive tasks i.e routine data extraction at regular intervals, ETL refresh etc. It is imperative to set up and configure these tasks to achieve full potential of this utility. This document outlines simplified steps on Scheduler configurations in both KenyaEMR 2.x and 3.x

















Panel On the OpenMRS Admin panel, locate the Schedule as shown and click Manage Scheuler. This will open the Scheduler Management panel.	Encounters Manage Encounters Manage Encounter Types Manage Encounter Roles Providers Manage Providers Manage Provider Attribute Types Locations Manage Locations Manage Location Tags View Location Hierarchy Manage Location Attribute Types Manage Address Template Observations	Manag Migratı Mainten Set Im Systen View C Settinc Advanı View S View C Manag View L Search	
3. Manage Schedulers On the Scheduler Management panel (Shown), you notice many schedulers on the list. Check the scheduler description to get clue of what each scheduler does. Locate and click the scheduler name of interest	Scheduler Manage Scheduler		





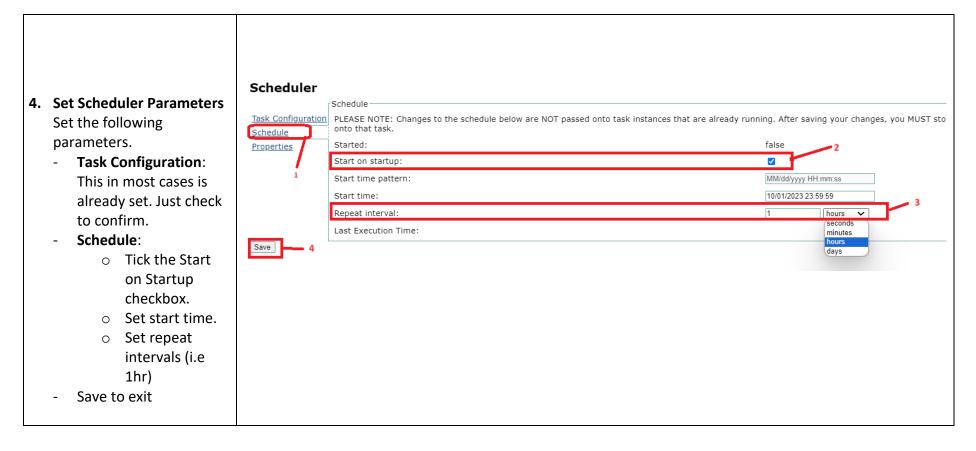


to configure its execution frequency.			
	Runs again in <b>42,961s</b>	${\it org.openmrs.module.appointments.scheduler.tasks.MarkAppointmentAsCompleteTask}$	From <b>12:00:00AM</b> , Starting on <b>Mar 20 2023</b>
	Stopped	Pull Mlab viral load results Task org.openmrs.module.kenyaemrIL.MLabViralLoadResultsPullTask	Runs every <b>5 hours</b> From <b>11:59:59PM</b> , Starting on <b>Nov 28 2021</b>
	<b>Started</b> Runs again in <b>605</b>	Push messages to Ushauri server org.openmrs.module.kenyaemrIL.UshauriDirectPushTask	Runs every <b>5 minutes</b> From <b>11:59:59PM</b> , Starting on <b>Nov 28 2021</b>
	Started Runs again in 10,5615	Generate IIT ML Predictions org.openmrs.module.kenyaemrml.task.GenerateIITMLPredictionsTask	Runs every <b>1 days</b> From <b>03:00:00PM</b> , Starting on <b>Jul 27 2023</b>
	Started Runs again in 46,5605	Stock Rules Evaluation Job org.openmrs.module.stockmanagement.api.jobs.StockRuleEvaluationJob	Runs every <b>1 days</b> From <b>12:59:59AM</b> , Starting on <b>Oct 01 2022</b>
	Started Runs again in <b>42,9615</b>	Stock Batch Expiry Job org.openmrs.module.stockmanagement.api.jobs.StockBatchExpiryJob	Runs every <b>1 days</b> From <b>12:00:00AM</b> , Starting on <b>Oct 01 2022</b>
	Stopped	Asynchronous Report Generation And Batch Jobs org.openmrs.module.stockmanagement.api.jobs.AsyncTasksBatchJob	Runs every <b>1 minutes</b> From <b>12:59:59AM</b> , Starting on <b>Oct 01 2022</b>
	<b>Started</b> Runs again in <b>Os</b>	Program Discontinuation Task org.openmrs.module.kenyaemrIL.ProgramDiscontinuationTask	Runs every <b>6 seconds</b> From <b>11:59:59PM</b> , Starting on <b>Jan 01 2023</b>
	Started Runs again in <b>42,9605</b>	Validate TransferOut Patients org.openmrs.module.kenyaemrIL.ValidateTransferOutsTasks	Runs every <b>12 hours</b> From <b>11:59:59PM</b> , Starting on <b>Jul 04 2023</b>
	<b>Started</b> Runs again in <b>480s</b>	Expected Iransfer Ins Task org.openmrs.module.kenyaemrIL.PullExpectedTransferInsTask DMI scheduler	Runs every <b>12 minutes</b> From <b>11:59:59PM</b> , Starting on <b>Jan 01 2023</b>
	Stopped	Push messages to DMI server org.openmrs.module.kenyaemrIL.DmiDirectPushTask	Runs every <b>1 minutes</b> From <b>11:59:59PM</b> , Starting on <b>Oct 01 2023</b>
	<b>Started</b> Runs again in <b>3,3615</b>	Reminder of scheduled appointment org.openmrs.module.appointments.scheduler.tasks.ReminderForAppointment	Runs every <b>1 hours</b> From <b>12:00:00AM</b> , Starting on <b>Apr 28 2024</b>
	Stopped	Pull Pending Mpesa Transactions org.openmrs.module.kenyaemr.cashier.api.PullCompletedTransactionsTask	Runs every <b>12 hours</b> From <b>06:59:59PM</b> , Starting on <b>Feb 28 2024</b>
	Started Runs again in 3,3605	Push messages to Visualization server org.openmrs.module.kenyaemrIL.VisualizationMetricsPushTask	Runs every <b>1 hours</b> From <b>11:59:59PM</b> , Starting on <b>Mar 16 2024</b>
		Start Stop Delete	















Started Validate TransferOut Patients 5. Start the Scheduler Runs again in 41,2795 org.openmrs.module.kenyaemrIL.ValidateTransferOutsTasks Ensure the scheduler is Started Expected Transfer Ins Task started. Runs again in 2395 org.openmrs.module.kenyaemrIL.PullExpectedTransferInsTask Steps Ensure Tick the checkbox -**~** Stopped Push messages to DMI server this is org.openmrs.module.kenyaemrIL.DmiDirectPushTask against the scheduler checked (shown) Started Reminder of scheduled appointment Locate the Start button Runs again in 1,680s org.openmrs.module.appointments.scheduler.tasks.ReminderForAppointment below the list (shown) Stopped Pull Pending Mpesa Transactions and click. This will start org.openmrs.module.kenyaemr.cashier.api.PullCompletedTransactionsTask the scheduler and will execute at the Started Push messages to Visualization server Click on start Runs again in 1,6795 org.openmrs.module.kenyaemrIL.VisualizationMetricsPushTask intervals configured in start the scheduler step 5 above. Stop Delete Start