

SOP: Setting Up System Schedulers for Various Tasks

[Last update: Aug 2025]

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

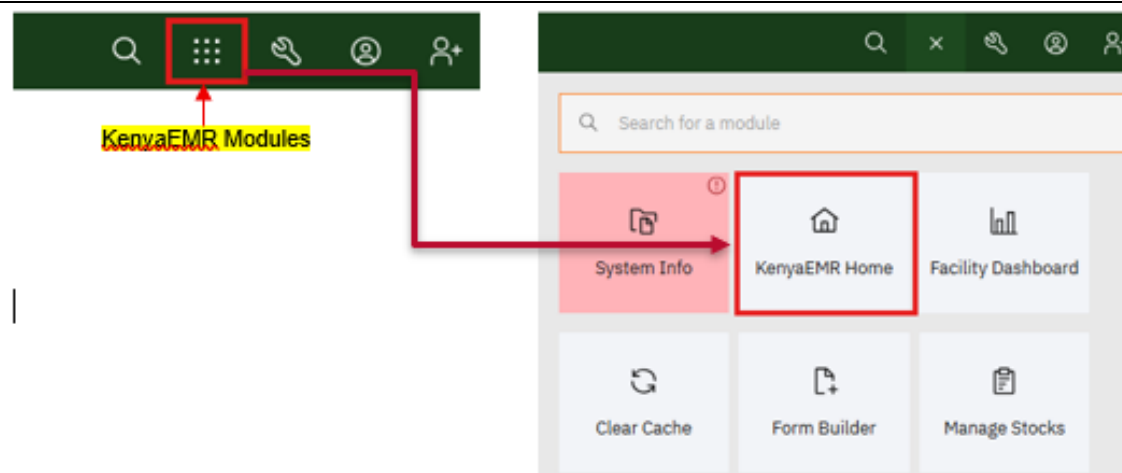
SECTION 1: Navigating to the Schedulers in TaifaCare

Scheduler Management: Schedulers are important in TaifaCare 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 TaifaCare

1. Navigate to TaifaCare Maintenance Page:

Steps:

- Logi into TaifaCare,
- Click TaifaCare Modules
- Locate TaifaCare Home Icon as shown and click



3. Open the Legacy Admin UI

Steps:

- Click on the TaifaCare Home (shown)
- Locate Developer module and click.
- Click on Legacy admin UI. This will open the OpenMRS administration page.

KenyaEMR 18.7.2-SNAPSHOT (21-Mar-2024 13:12), powered by OpenMRS
Suba Sub County Hospital (14130)

Home Logged in as *Rashid Or*

Registration	Triage	HIV Testing Services	Adherence Counselling	Clinician	Drug Prescriptions	PrEP	Lab Requests	Lab Manifest	Afyastat
Reports	Facility Dashboard	AIR	ETL Admin	Data Quality	IL Admin	USHURI Ushauri	Referrals	Data Manager	Directory
NUPI Verification	NimeCONFIRM	KP Provider	Peer Calendar	Covid-19	Machine Learning	3.x Patient Chart	3.x Service Queue Module	3.x Appointment Module	Developer

Developer Module (arrow pointing to Data Manager)

Home **Developer** Logged in as *Marie Parker Torres* My Profile Log Out Help

Developer

- Overview
- Content
- Modules
- Profiling
- Validation
- Groovy console

Overview

You are currently logged in as a developer. Misuse of this account to perform unauthorised activities is a disciplinary offence.

Legacy admin UI

4. Open the Task Scheduler Panel On the OpenMRS Admin panel, locate the Schedule as shown and click Manage Scheduler. This will open the Scheduler Management panel.	Manage Visit Attribute Types Configure Visits 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 Manage Observations Scheduler Manage Scheduler Manage Manag Migrati Mainten Set Im System View C Setting Advan View S View C Manag View L Search
--	--

Click on manage scheduler

5. 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 to configure its execution frequency.

	Runs again in 42,961s	org.openmrs.module.appointments.scheduler.tasks.MarkAppointmentAsCompleteTask	From 12:00:00AM , Starting on Mar 20 2023
☐	Stopped	Pull Mlab viral load results Task org.openmrs.module.kenyaemrIL.MLabViralLoadResultsPullTask	Runs every 5 hours From 11:59:59PM , Starting on Nov 28 2021
☐	Started Runs again in 60s	Push messages to Ushauri server org.openmrs.module.kenyaemrIL.UshauriDirectPushTask	Runs every 5 minutes From 11:59:59PM , Starting on Nov 28 2021
☐	Started Runs again in 10,561s	Generate IIT ML Predictions org.openmrs.module.kenyaemrML.task.GenerateIITMLPredictionsTask	Runs every 1 days From 03:00:00PM , Starting on Jul 27 2023
☐	Started Runs again in 46,560s	Stock Rules Evaluation Job org.openmrs.module.stockmanagement.api.jobs.StockRuleEvaluationJob	Runs every 1 days From 12:59:59AM , Starting on Oct 01 2022
☐	Started Runs again in 42,961s	Stock Batch Expiry Job org.openmrs.module.stockmanagement.api.jobs.StockBatchExpiryJob	Runs every 1 days From 12:00:00AM , Starting on Oct 01 2022
☐	Stopped	Asynchronous Report Generation And Batch Jobs org.openmrs.module.stockmanagement.api.jobs.AsyncTasksBatchJob	Runs every 1 minutes From 12:59:59AM , Starting on Oct 01 2022
☐	Started Runs again in 0s	Program Discontinuation Task org.openmrs.module.kenyaemrIL.ProgramDiscontinuationTask	Runs every 6 seconds From 11:59:59PM , Starting on Jan 01 2023
☐	Started Runs again in 42,960s	Validate TransferOut Patients org.openmrs.module.kenyaemrIL.ValidateTransferOutsTasks	Runs every 12 hours From 11:59:59PM , Starting on Jul 04 2023
☐	Started Runs again in 480s	Expected Transfer Ins Task org.openmrs.module.kenyaemrIL.PullExpectedTransferInsTask	Runs every 12 minutes From 11:59:59PM , Starting on Jan 01 2023
☐	Stopped	Push messages to DMI server org.openmrs.module.kenyaemrIL.DmiDirectPushTask	Runs every 1 minutes From 11:59:59PM , Starting on Oct 01 2023
☐	Started Runs again in 3,361s	Reminder of scheduled appointment org.openmrs.module.appointments.scheduler.tasks.ReminderForAppointment	Runs every 1 hours From 12:00:00AM , Starting on Apr 28 2024
☐	Stopped	Pull Pending Mpesa Transactions org.openmrs.module.kenyaemr.cashier.api.PullCompletedTransactionsTask	Runs every 12 hours From 06:59:59PM , Starting on Feb 28 2024
☐	Started Runs again in 3,360s	Push messages to Visualization server org.openmrs.module.kenyaemrIL.VisualizationMetricsPushTask	Runs every 1 hours From 11:59:59PM , Starting on Mar 16 2024

DMI scheduler

6. Set Scheduler Parameters

Set the following parameters.

- **Task Configuration:**
This in most cases is already set. Just check to confirm.
- **Schedule:**
 - Tick the Start on Startup checkbox.
 - Set start time.
 - Set repeat intervals (i.e. 1hr)
- Save to exit

Scheduler

[Task Configuration](#)
[Schedule](#)
[Properties](#)

Schedule
PLEASE NOTE: Changes to the schedule below are NOT passed onto task instances that are already running. After saving your changes, you MUST stop the task.

Started: false

Start on startup: ☒

Start time pattern: MM/dd/yyyy HH:mm:ss

Start time: 10/01/2023 23:59:59

Repeat interval: 1 hours

Last Execution Time:

seconds
minutes
hours
days

Save

7. Start the Scheduler

Ensure the scheduler is started.

Steps

- Tick the checkbox against the scheduler (shown)
- Locate the Start button below the list (shown) and click. This will start the scheduler and will execute at the intervals configured in step 5 above.

☐	Started Runs again in 41,279s	Validate TransferOut Patients org.openmrs.module.kenyaemrIL.ValidateTransferOutsTasks
☐	Started Runs again in 239s	Expected Transfer Ins Task org.openmrs.module.kenyaemrIL.PullExpectedTransferInsTask
☒	Stopped Ensure this is checked	Push messages to DMI server org.openmrs.module.kenyaemrIL.DmiDirectPushTask
☐	Started Runs again in 1,680s	Reminder of scheduled appointment org.openmrs.module.appointments.scheduler.tasks.ReminderForAppointment
☐	Stopped	Pull Pending Mpesa Transactions org.openmrs.module.kenyaemr.cashier.api.PullCompletedTransactionsTask
☐	Started Runs again in 1,679s	Push messages to Visualization server org.openmrs.module.kenyaemrIL.VisualizationMetricsPushTask

Click on start start the scheduler

*****THE END*****