



Pharmacy Information System (PhIS) and Clinic Pharmacy System (CPS)

Release Note

For version 2.6.3.9

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Revision History

Version No	Date of Release	Prepared by	Reviewed / Verified by	List of changes from Previous Version
1.0	16/01/2024	Mohd Hilmi Mohamad	Zainura Said	First Version

Verified and Acknowledged by:

Name	Role/Designation	Organization	Signature & Date
Zainura Said	Team Leader	Pharmaniaga Logistics Sdn Bhd	
Hoh Choon Seng	Project Manager	Pharmaniaga Logistics Sdn Bhd	

Name	Role/Designation	Organization	Signature & Date
		Program Perkhidmatan Farmasi (PPF), KKM	
		Bahagian Pengurusan Maklumat (BPM), KKM	

Peer Review

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1 Introduction

1.1 Project Information

Project ID	:	PHIS and CPS
Project Name	:	Pharmacy Information System and Clinic Pharmacy System
Version No	:	2.6.3.9
Client Name	:	Ministry of Health
Release ID	:	RL24/003
Release Date	:	16/01/2024

1.2 Objectives

No.	Objective	Reference
1.	Release PHIS & CPS Application to Facility	Refer Section 3 – Refinement and Defect list



2 Purpose

The purpose of the document is to update the end-user of the changes and defects have been resolved to be included in the new version of application and will be deployed to production server.

This document outlines the list of request and issue to be delivered in the newer version of application and also the guidelines on how to deploy the new version of application in production.



3 Summary – Refinement and Defect List

3.1 Refinement List

N/A



3.2 Resolved Defect List

The following are the summary of resolved issue list that included in PhIS and CPS version 2.6.3.9.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
1.	I- PhIS106190 623APP	Hospital Sultanah Aminah (A)	Report Enquiry	07/11/2023	Prescription Management OP Data shows Inaccurate when select Filter: - Acknowledged Date/Time From/to	There is inaccuracy in the data. For example, referring to the attached screenshot, the filtered acknowledged time was from 7/11/2023 8am-7/11/2023 12pm, however, the data displayed also included acknowledged time outside of that range. I've also attached a pdf Prescription Management OP report for your reference	Missing condition to consider time value inside report query when searching by 'Order Date Time From/To' and 'Acknowledged Date From/To' search criteria.	N/A	Update query to consider time value during filter function.	09/01/2024
2.	I- PhIS092040 023APP	Hospital Kuala Nerang (A)	Report Enquiry	20/03/2023	Prescription Management OP - Age calculation is incorrect	Puan Siti Salwa reported got several patients appear age 0 in report Prescription Management OP. Age appear correctly in record prescription. Prescription Management OP Acknowledge Date /Time: 20.2.2023	Age calculation was wrongly applied in report query whereby system was not comparing date of birth with current date value during calculation.	N/A	Change report query to always comparing date of birth with current date value during age calculation.	23/03/2023



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
						(11.33AM)-26.2.2023 (11.34PM) Dispense Location: Farmasi Kecemasan Click Search Sample Patient: Zahraa Aqila 22011902XXXX Nurhanan Mikayla 21051302XXXX Patient Age: 0 Years				
3.	I- PhIS093083 123APP	Klinik Kesihatan Putrajaya Presint 18 (A)	Report Enquiry	07/04/2023	Prescription Management OP - Dispensing Counter wrong filter	Puan Hanisah reported data inaccurate in Prescription Management OP Prescription Management OP Acknowledge Date/Time: 3.4.2023 - 3.4.2023 8am - 2.30PM Order Time Order Date: 3.4.2023 - 3.4.2023 8am - 2.30PM Dispensing Counter: 20 Click Search Total Patient: 322 Real Situation: 50 patients	Missing condition in code to retrieve record from all dispensing counters.	N/A	Add condition in code to retrieve value for all dispensing counters.	01/06/2023



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
						<p>User informs during that time, only pharmacist in charge at kaunter 20 will login at kaunter 20.</p> <p>But in report for column -</p> <p>Acknowledge/Screening /Preparing appear with name Puan Hanisah</p> <p>Puan Hanisah login at counter 7.</p> <p>ID: 87101456XXXX</p> <p>-----</p> <p>-----</p> <p>1. User query got any other way to filter statistic total patient and total item for certain kaunter.</p> <p>2. Medication dispense, and total dispense at certain kaunter</p>				
4.	I- PHIS105404 823APP	Hospital Selayang (A)	Report Enquiry	25/10/2023	Prescription Management OP - Data generated inaccurate (Filter by dispensing location)	<p>Puan Mazlieana reported that data was inaccurate for unit OPD Filling Counter Level 4. It's appear others unit record (OPD Filling Counter Level 4(II)). May refer to attachment 1. Attachment 2 is when id OPD Filling Counter</p>	<p>Previously system was referring to location description value during 'Dispense Location' filtration. Thus, whatever multiple locations that have same description value will also be displayed when do filtering.</p>	N/A	Change method to filter Dispense Location based on location sequence number instead of location description.	24/11/2023



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
						Level 4(II) generate the report. It's appear one unit only. Acknowledged Date: 1/9/2023 - 30/9/2023 Dispense Location: OPD Filling Counter Level 4 user id: 87071129XXXX password: (refer helpdesk observation)				
5.	I-PhIS090063 623APP	Klinik Kesihatan Kelana Jaya (A)	Report Enquiry	14/02/2023	Prescription Management OP - Dispensing Method Locker4U not appear	Menerima laporan daripada pengguna seperti berikut: Kenapa tiada locker4u di dispensing method?	Incorrect reference code domain was applied during filter function for 'Dispensing Method' search criteria. Suppose system shall retrieve the value from 'Mode of Services' reference code domain instead of 'Dispensing Method' domain.	N/A	Change query to retrieve dispensing method value based on 'Mode of Services' reference code domain rather than 'Dispensing Method' domain during filter function.	11/10/2023
6.	I-PhIS108940 123APP	Klinik Kesihatan Batu Pahat (A)	Report Enquiry	27/12/2023	Prescription Management OP - Data not generated when filter by Order Type	Encik Yong reported unable to generate prescription management OP when filter as below: Acknowledge Date/Time From - to: 21/11/23 to 20/12/23. Order Type: SPUB	Wrong condition was applied inside report query for 'Order Type' search criteria.	N/A	Implement correct condition inside report query for 'Order Type' search criteria.	09/01/2024



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
						However, when change order type to All, record for SPUB appeared.				
7.	I-PhIS110123 624APP	Hospital Sultanah Nora Ismail (A)	Report Enquiry	16/01/2024	Prescription Management OP - Data not generated (Cross year)	Encik Hafizuddin reported data showing figure 0 for Prescription Management OP Prescription Management OP Acknowledgement Date: 31.12.2023-15.1.2024 Time: 8.37AM-8.38AM Click Search Figure showing 0	Cross year filtration for 'Order Date' and 'Acknowledge Date' were not correctly implemented in report summary query.	N/A	Update query to allow filtration based on cross year search criteria.	17/01/2024
8.	I-PhIS109617 124APP	Hospital Pakar Sultanah Fatimah (A)	Report Enquiry	07/01/2024	Prescription Management IP - Filter issue	Received email from Pn Juliana, Isu berkaitan Prescription Management IP. 'isu pada Prescription Management IP di mana nilai pada unit yang berbeza menunjukkan nilai yang sama. Contoh: Nilai bagi order status 'New' bagi bulan Disember 2023 di Unit Farmasi Bekalan Wad menunjukkan nilai yang sama dengan Farmasi Satelit iaitu 34095. Begitu juga nilai bagi	Wrong condition was applied inside report query for 'Dispense Location' search criteria.	N/A	Implement correct condition inside report query for 'Dispense Location' search criteria.	11/01/2024



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
						order status 'Refill' bagi bulan Disember 2023 di Unit Farmasi Bekalan Wad dan Farmasi Satelit menunjukkan jumlah yang sama iaitu 57006.'				
9.	I- PhIS089291 723APP	Hospital Tangkak (A)	Report Enquiry	31/01/2023	Prescription Management IP - Inaccurate record when filter Order Status = Refill	Encik Hafizul Amin reported data repeated many times for patient. User provides 1 example. Prescription Management IP Order Date/Time: 25.1.2023 (8AM-5PM) Order Status: Refill Click Search Medication Order Number: W3FMW0000178944 Original RX Number: 83077 Name: Siam Binti Sarman MRN: HTGK00118482 Enoxaparin Sodium 60 mg Injection Repeated for 10 times	Incorrect query was applied during counting 'total number of prescription dispensed' whereby system was also considering record that has not been dispensed yet. Suppose this record shall be excluded from query.	N/A	Exclude count for 'total number of prescription dispensed' if record has not been dispensed yet.	06/06/2023



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Corrective Action	Permanent Solution	Resolved Date
10.	I- PhIS082846 822APP	Klinik Kesihatan Putrajaya Presint 18 (A)	Report Enquiry	11/10/2022	Intervention Report: Prescriber name does not appear	Puan Chan reported data for prescriber does not appear for certain patient. Intervention Report Order Date: 1- 10/10/2022 Click Search Example MRN: 22610525 (Zul) 16985089 (Sakinah)	Wrong query was applied in report summary to retrieve 'Prescriber' value. Suppose if 'Original Prescriber' value is null, system should retrieve from 'Confirmed By' value to show 'Prescriber' value.	N/A	Change query to retrieve 'Prescriber' value from 'Confirmed By' value if 'Original Prescriber' value is null.	09/02/2023



4 Refinement List – Detail Changes

N/A



5 Deployment - Procedures

5.1 List of Items to be Deployed

No.	Items	Components	Path
1	Facility Script	PatchScripts_PHIS_V2.6.3.9.txt	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/scripts
2	Facility Application	iphis_v2.6.3.9.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war
3	Facility Application	PHISService_v.2.6.3.9.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war
4	Facility Application	PHISSchedulers_v.2.6.3.9.jar	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar
5	Facility Application	phis_Email_v2.6.3.9.jar	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar
6	Facility Application	phis_Cd_V2.6.3.9.jar	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar
7	Facility Application	phis_MyMaat_v2.6.3.9.jar	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar
8	Facility Application	phisIntegration.properties	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar
9	Mobile Application	iphismobile_user_v2.6.3.9.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war
10	Mobile Application	phisAPI_v2.6.3.9.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war
11	Mobile Application	lpadhosp-2.6.3.9.0b08.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/Mobile
12	HQ Script	PatchScripts2.6.3.9_IWP.txt	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/iwp/scripts



No.	Items	Components	Path
13	HQ Application	phishq_v2.6.3.9.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/iwp/war
14	HQ Application	masterRelease_v2.6.3.9.jar	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/iwp/jar
15	HQ Application	epservice_V2.6.3.9.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/iwp/war

5.2 Backup Procedure before Deploy

5.2.1 Backup Procedure

Using backup tool, backup the following files and folder and database as per table below:

No.	Type	Backup Item	Description
1	Application	/home/phisesb /opt/phisesb /usr/share/fonts/truetype	PhIS Integration Application PhIS Core Application Fonts required by PhIS
2	Database	phisprod database	PhIS Live database

5.3 Deployment/Installation Guidelines

5.3.1 Deployment at Facility

Below table is described the deployment steps at Facility:

Step	Items	File Name	Source Path	Action
1	Facility Script	PatchScripts_PhIS_V2.6.3.9.txt	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/scripts	Please ensure all the script is execute before iphis.war deploy. Please ensure the script is executed in sequence. Script files highlight and execute.
2	Facility Application	iphis_v2.6.3.9.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war	Please rename the war file to iphis.war then deploy.
3	Facility Application	PhISService_v.2.6.3.9.war	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war	Please rename the war file to PhISService.war then deploy.
4	Facility Application	PhISSchedulers_v.2.6.3.9.jar	https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war	Backup jar file from /home/phisesb/phisja



Step	Items	File Name	Source Path	Action
			1_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar	rs/ and copy downloaded jar and rename to PhISSchedulers.jar. Then Restart crontab.
5	Facility Application	phis_Email_v2.6.3.9.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar	Backup jar file from /home/phisb/phisjars/ and copy downloaded jar and rename to phis_Email.jar. Then Restart crontab.
6	Facility Application	phis_Cd_V2.6.3.9.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar	Backup jar file from /home/phisb/phisjars/ and copy downloaded jar and rename to phis_Cd.jar. Then Restart crontab.
7	Facility Application	phis_MyMaat_v2.6.3.9.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar	Backup jar file from /home/phisb/phisjars/ and copy downloaded jar and rename to phis_MyMaat.jar. Then Restart crontab.
8	Facility Application	phisIntegration.properties	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/jar	/home/phisb/phisbackprops/ and copy downloaded phisIntegration.properties and configure facility db details in properties file.
9	Mobile Application	iphismobile_user_v2.6.3.9.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war	Rename iphismobile_user_v2.6.3.9.war to iphismobile_user.war and deploy.
10	Mobile Application	phisAPI_v2.6.3.9.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/facility/war	Rename phisAPI_v2.6.3.9.war to phisAPI.war and deploy.
11	Mobile Application	lpadhosp-2.6.3.9.0b08.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/Mobile	Rename ipadhosp-2.6.3.9.0b08.war to ipadhosp.war and deploy. - Mobile Frontend: 2.6.3.9.0r18



Step	Items	File Name	Source Path	Action
				- Mobile Backend: 2.6.3.9.0b08

5.3.2 Deployment at HQ - IWP

Below table is described the deployment steps at HQ - IWP:

Step	Items	File Name	Source Path	Action
1	HQ Script	PatchScripts2.6.3.9_IWP.txt	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/iwp/scripts	Please ensure all the script is execute before phishq.war deploy. Please ensure the script is executed in sequence.
2	HQ Application	phishq_v2.6.3.9.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/iwp/war	Rename the war file from phishq_v2.6.3.9.war to phishq.war then Deploy using Glassfish Administration Console
3	HQ Application	masterRelease_v2.6.3.9.jar	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/iwp/jar	Rename the jar file from masterRelease_v2.6.3.9.jar to masterRelease.jar and copy to directory '/home/phisesb/phisjars' Then restart the crontab.
4	HQ Application	epservice_V2.6.3.9.war	https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.3.9/iwp/war	Rename the war file from epservice_V2.6.3.9.war to epservice.war then deploy.