



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

Release Note

For version 2.6.1.9

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| <p>Version : 1.0 Document ID : PhIS_CPS/ReleaseNote/Refinement/17012023</p> |
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Revision History

| Version No | Date of Release | Prepared by | Reviewed / Verified by | List of changes from Previous Version |
|------------|-----------------|--------------------|------------------------|---------------------------------------|
| 1.0 | 17/01/2023 | Mohd Hilmi Mohamad | Zainura Said | First Version |
| | | | | |

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Peer Review

| Version No | Reviewed / Verified by | List Of Changes from Previous Version |
|------------|------------------------|---------------------------------------|
| 1.0 | Juridah (QA) | Initial document |



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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 | : | 2.6.1.9 |
| Client Name | : | Ministry of Health |
| Release ID | : | RL23/002 |
| Release Date | : | 17/01/2023 |

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 2.6.1.9.

| No | Ticket No | Facility | Module | Reported Date | Title | Description | Root Cause/Analysis | Resolved Date |
|----|----------------------------|--|-----------------------------|---------------|---|--|--|---------------|
| 1. | I- PhIS085656222A PP | Hospital Umum Sarawak (A) | Report Enquiry | 01/12/2022 | Prescription Dispensed - Appear same record even select different Dispensing Location | En Ismail reported that upon generating data in Prescription Dispensed, data generated is the same for every Dispensing Location. User informs that supposedly, data for each Dispensing Location should be different. Issue only happens for November 2022 period. Prior to Nov 2022, data generated accordingly. | Filtering function by dispense location was not properly implemented | 13/12/2022 |
| 2. | I- PhIS084831822A PP | Hospital Sultanah Aminah (A) | Pharmacy Inventory | 16/11/2022 | Return to supplier (APPL Item) -Return transaction does not appear at IWP | Ms Goh reported already proceed return to supplier transaction in phis but when check with PLSB, they didn't receive the transaction. User confirms return status is Confirmed. Request to check why supplier not received the transaction as user need to use the replacement item urgently. Return no: T220000088 Date return: 15/11/22 @ 5.35PM | Incorrect validation was applied in system during synchronization process from facility to IWP for 'Return to Supplier' transaction | 30/11/2022 |
| 3. | I- PhIS085621722A PP | Bahagian Perkhidmatan Farmasi (HQ) | Special Approve Medicine | 30/11/2022 | IWP – Special Approval Medicine - Unable to Completed Application: Drug Name more than 100 characters | Email: ADUAN SPECIAL APPROVAL MEDICINE: Masalah dengan permohonan UKK Hospital Umum Sarawak A3989/2022. Permohonan di atas tidak dapat dibuka oleh saya (telah ditekan send | Drug name field does not have enough length. Suppose drug name field should allow up until 250 characters | 20/12/2022 |



| No | Ticket No | Facility | Module | Reported Date | Title | Description | Root Cause/Analysis | Resolved Date |
|----|----------------------------|---------------------------------------|---------------------|---------------|---|---|---|---------------|
| | | | | | | for approval). Bagi Ketua Seksyen, permohonan dapat dibuka pada sesetengah masa tetapi paparan adalah kosong dan tidak dapat diteruskan. | | |
| 4. | I- PhIS085422522A PP | Hospital Kuala Lumpur (A) | Outpatient Pharmacy | 27/11/2022 | Record Retrieval: Error contact admin popup when search patient record | <p>Previous report no. 221156750B Email from user: Unable to proceed for dispensing. I would like to file a complaint report regarding the difficulty of processing the existing pending order in PHIs.</p> <p>Application team findings: Re-assign to helpdesk to verify with user as all reported patients should be able to proceed as usual except for this patient HKL00328793 seems got another issue. Kindly please log new ticket for us to further check.</p> <p>Patient Name: Muhammad Zahirudin MRN: HKL00328793</p> | System cannot fully retrieve order details for CDR Regimen and PN order and this has caused error when opening from Record Retrieval screen | 14/12/2022 |
| 5. | I- PhIS084363322A PP | Hospital Raja Perempuan Zainab II (A) | Report Enquiry | 08/11/2022 | PF6.4 - Appear Error when generate report.: - Unknown exception: java.lang.NullPointer Exception. at Fasiliti | Encik Muzamir reported when user want to generate report PF6.4 for month of October, user clicked search appear pop up error: an error has occurred please contact system administrator. | System was not correctly handling error if 'Bilangan Sediaan - Pediatrik' result is blank during filtering function | 16/12/2022 |



| No | Ticket No | Facility | Module | Reported Date | Title | Description | Root Cause/Analysis | Resolved Date |
|----|----------------------------|---------------------------------|--------------------|---------------|---|--|--|---------------|
| | | | | | ada bilik bersih column. | | | |
| 6. | I- PHIS085753222A PP | Klinik Kesihatan Seremban 2 (A) | Report Enquiry | 02/12/2022 | PF7 - No data generated for November | <p>Related with report number 221210728B.</p> <p>Ms Lim reported that upon generating PF7 for November 2022, there is no data generated. Informs user that for versionn 2.5 onwards, PF Reports are generated on Scheduler (every 1st & 7th of each month for previous month's data). However, user informs that she can generate data after 1st in previous version. She also informs that if system generate partially data on the 1st of Dec, why there is no data at all generated. Kindly advise.</p> | Missing report summary script for PF 7 during v2.6 deployment. Suppose it should be released together during v2.6 deployment activity | 14/12/2022 |
| 7. | I- PHIS085567022A PP | Hospital Rembau (A) | MAR | 30/11/2022 | MAR - Status does not update | <p>Ms Cavineswari reported unable to click on serve for drug Losartan 50mg. User informed only drug Losartan 50mg appear as "Due", but others drug already appears as "Served"</p> <p>IC No.: 73100803XXXX</p> | Issue happens due to system was unable to fetch the whole MAR details during save function. Issue is fixed by adding method to fetch the complete MAR data before can proceed with save function | 13/12/2022 |
| 8. | I- PHIS086483522A PP | Hospital Dutchess of Kent (A) | Pharmacy Inventory | 15/12/2022 | Indent (Intra Facility) - Unable to create indent | User reported system prompt error please contact your system admin when user save transaction indent. (Intra facility) | Issue comes from the daily scheduler that execute everyday midnight job to reset worksheet id, visit no and archive MAR tables. This | 03/01/2022 |



| No | Ticket No | Facility | Module | Reported Date | Title | Description | Root Cause/Analysis | Resolved Date |
|----|------------------------|----------------------------|-------------------------|---------------|--|---|--|---------------|
| | | | | | | <p>Indent from Jabatan Patologi Sent indent to Farmasi Galenical Item Code: DO8Ax08000L9901XX.01 & 01.0020.05</p> | <p>job has extra code that executes on 15 December every year and cause all sequences reset to 1. Supposed this job will only do resetting on 01/01 12:00AM. Due to this, system cannot proceed with transaction due to there is duplicate transaction sequence number for same year</p> | |
| 9. | I-PhIS081826022A PP | Klinik Kesihatan Tawau (A) | Integration - TPC-OCHIS | 20/09/2022 | Patient Management – Incomplete Registration Information | <p>En Radin reported Patient Management - Registration Information Incomplete. The patient's TPC-OHCIS-system generated ID does not appear on PhIS application.</p> <p>Kindly provide an explanation for the stated incident because my facility has many non-malaysian/non-documented/penjara/pusat tahanan patients. The missing information has caused medication errors. I refused a workaround instructing the user to manually enter the patient's ID.</p> <p>Patient's Details on PhIS NAME: ONA AGATA LEONORA SUY ID: (BLANK)</p> | <p>ID Type code '00' for 'SYS.GEN.PT.ID' was not recognized in PhIS during integration from Mirth Connect to database, thus giving error at screen level</p> | 21/12/2022 |



| No | Ticket No | Facility | Module | Reported Date | Title | Description | Root Cause/Analysis | Resolved Date |
|-----|----------------------------|------------------------------|-----------------------|---------------|--|--|---|---------------|
| | | | | | | MRN: 20079652 Patient's Details on TPC-OHCIS NAME: ONA AGATA LEONORA SUY ID: (SYSTEM GENERATED ID) 12864347 MRN: 20079652 | | |
| 10. | I- PHIS086718322A PP | Hospital Sungai Bakap (A) | Pharmacy Inventory | 19/12/2022 | Internal Scheduler - PhISSchedulers.jar wrongly exported | User reported she unable to do receiving as replacement item due to Do number does not appear in phis system. User claimed she return to supplier as LOU. Kindly refer user attachment for reference. Details as below: LPO No: CO220000000088571 DO: 763329361 LPO: CO220000000522004 DO: 763329337 | Wrong jar file was compiled for scheduler and this has caused all tasks related with scheduler are unable to proceed | 30/12/2022 |



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_V2.6.1.9.txt | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/scripts |
| 2 | Facility Application | iphis_v2.6.1.9.war | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/war |
| 3 | Facility Application | PhISService_v.2.6.1.9.war | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/war |
| 4 | Facility Application | PhISSchedulers_v.2.6.1.9.jar | https://10.1.1.57:5522/svn/PhIS/svn/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar |
| 5 | Facility Application | phis_Email_v2.6.1.9.jar | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar |
| 6 | Facility Application | phis_Cd_V2.6.1.9.jar | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar |
| 7 | Facility Application | phis_MyMaat_v2.6.1.9.jar | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar |
| 8 | Facility Application | phisIntegration.properties | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar |
| 9 | Mobile Application | iphismobile_user_v2.6.1.9.war | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/war |
| 10 | Mobile Application | phisAPI_v2.6.1.9.war | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/war |
| 11 | Mobile Application | lpadhosp-2.6.1.9.0b08.war | https://10.1.1.57:5522/svn/PhISWorkspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/Mobile |
| 12 | HQ Script | PatchScripts2.6.1.9_IWP.txt | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/iwp/scripts |



| No. | Items | Components | Path |
|-----|----------------|----------------------------|--|
| 13 | HQ Application | phishq_v2.6.1.9.war | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/iwp/war |
| 14 | HQ Application | masterRelease_v2.6.1.9.jar | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/iwp/jar |
| 15 | HQ Application | epservice_V2.6.1.9.war | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/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_V2.6.1.9.txt | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/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_v2.6.1.9.war | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/war | Please rename the war file to iphis.war then deploy. |
| 3 | Facility Application | PhISService_v.2.6.1.9.war | https://10.1.1.57:5522/svn/PhIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/war | Please rename the war file to PhISService.war then deploy. |
| 4 | Facility Application | PhISSchedulers_v.2.6.1.9.jar | https://10.1.1.57:5522/svn/PhIS/svn/Workspace_Dataware | Backup jar file from /home/phisesb/phisja |



| Step | Items | File Name | Source Path | Action |
|------|----------------------|-------------------------------|---|---|
| | | | e/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar | rs/ and copy downloaded jar and rename to PhISSchedulers.jar. Then Restart crontab. |
| 5 | Facility Application | phis_Email_v2.6.1.9.jar | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar | Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to phis_Email.jar. Then Restart crontab. |
| 6 | Facility Application | phis_Cd_V2.6.1.9.jar | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar | Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to phis_Cd.jar. Then Restart crontab. |
| 7 | Facility Application | phis_MyMaat_v2.6.1.9.jar | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/jar | Backup jar file from /home/phisesb/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_ReleaseV2.6.1.9/facility/jar | /home/phisesb/phisbackprops/ and copy downloaded phisIntegration.properties and configure facility db details in properties file. |
| 9 | Mobile Application | iphismobile_user_v2.6.1.9.war | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/war | Rename iphismobile_user_v2.6.1.9.war to iphismobile_user.war and deploy. |
| 10 | Mobile Application | phisAPI_v2.6.1.9.war | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/facility/war | Rename phisAPI_v2.6.1.9.war to phisAPI.war and deploy. |
| 11 | Mobile Application | lpadhosp-2.6.1.9.0b08.war | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/Mobile | Rename ipadhosp-2.6.1.9.0b08.war to ipadhosp.war and deploy. - Mobile Frontend: 2.6.1.9.0r18 |



| Step | Items | File Name | Source Path | Action |
|------|-------|-----------|-------------|-----------------------------------|
| | | | | - Mobile Backend: 2.6.1.9.0b08 |

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 | PatchScripts2.6.1.9_IWP.txt | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/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_v2.6.1.9.war | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/iwp/war | Rename the war file from phishq_v2.6.1.9.war to phishq.war then Deploy using Glassfish Administration Console |
| 3 | HQ Application | masterRelease_v2.6.1.9.jar | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/iwp/jar | Rename the jar file from masterRelease_v2.6.1.9.jar to masterRelease.jar and copy to directory '/home/phisesb/phisjars' Then restart the crontab. |
| 4 | HQ Application | epservice_V2.6.1.9.war | https://10.1.1.57:5522/svn/PHIS/Workspace_Dataware/31_Implementation/Applications/PHIS_ReleaseV2.6.1.9/iwp/war | Rename the war file from epservice_V2.6.1.9.war to epservice.war then deploy. |