



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

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## Release Note

**For version 2.0.2.4**

<p><b>Version : 1.0</b> <b>Document ID : PhIS_CPS/ReleaseNote/Refinement/22012019</b></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	22/01/2019	Zainura	Chew Ming Ping	First Version

### Verified and Acknowledged by:

Name	Role/Designation	Organization	Signature & Date
Chew Ming Ping	Team Leader	Pharmaniaga Logistics Sdn Bhd	
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		Bahagian Perkhidmatan Farmasi (BPF), KKM	
		Bahagian Pengurusan Maklumat (BPM), KKM	

### 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	:	2.0.2.4
Client Name	:	Ministry of Health
Release ID	:	RL19/002
Release Date	:	22/01/2019

### 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 for PhIS & CPS

The following are the refinement that included in PhIS v2.0.2.4:

No	CR No	Module	Function	Description	Ticket No	Facility	Reference
1	R180168	IWP	IWP Item Master - To update duplicate validation as alert message only	<p>To update validation when creating new item code. When the new item code has same criteria with existing item for:</p> <ul style="list-style-type: none"> <li>• Drug/Non-Drug code</li> <li>• PKU</li> <li>• Conversion factor</li> <li>• Purchase type</li> </ul> <p>On click on Save button, to display alert message of: Item already exist with same Drug Code, PKU, Conversion Factor and Purchase Type. Are you sure to proceed? [Yes/No] If user selects 'Yes', proceed to save the duplicate item, If user selects 'No', to not save record, remain at current screen</p>	I-PhIS047735118S	Bahagian Perkhidmatan Farmasi (BPF)	Refer to #4.1
2	R180167	Pharmacy Inventory	Unit Catalogue List	Allow user to add HQ inactive drug/non-drug as long as facility status is active.	I-PhIS048845619S	Hospital Temenggong Kulai Jaya	Refer to #4.2



### 3.2 Resolved Defect List

The following are the summary of resolved issue list that included in PhIS and CPS version 2.0.2.4.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
1	I-PhIS044569618S	Hospital Seri Manjung	Outpatient Pharmacy	12/8/18	Drug Label - Appear wrong date of supply	Mr Tiong Wan Qian reported that she already allocate drug for 1 patient with supply duration 30 days. But when she check on drug label appear wrong date of supply, 17/8/2018 until 10/9/2018 which is 24 days. But the quantity of supply appear as 30 tablet. Kindly refer attachment. MRN No: HSM00028365	Allocation done based on balance qty against provided supply duration, event balance duration not compensate.	17/12/18	
2	I-PhIS045569618S	Hospital Tuanku Fauziah	Report/Enquiry	4/10/18	CDR Registry - Drug with same order qty not appear	Mr Tan reported quantity in CDR Registry report not correct. MRN : HTF00034116 (Soon A/p Chin) CDR Regimen : CDRON00067 CDR Registry Report : 19.9.2018  Day 1 Fluoroucil 1g/20ml Injection (High Dose) = 1 Vial Fluoroucil 1g/20ml Injection (Low Dose)= 1 Vial Leucovorin Calcium 50mg/5ml Injection (Folinic acid)=6vial Day 2 Fluoroucil 1g/20ml Injection (High Dose) = 1 Vial Fluoroucil 1g/20ml Injection (Low Dose)= 1 Vial Leucovorin Calcium 50mg/5ml	Issue happen when dispense 2 same drug in 1 transaction, system only consider 1 drug	17/12/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						Injection (Folinic acid)=6vial Issue in Report : 1.Show 2 drug only, suppose show Fluoroucil 2 times 2.All the 3 drug suppose appear separately in Report. not total up for 2 days.			
3	I-PhIS046383218S	Hospital Dutchess of Kent	Manufacturing - CDR	30/10/18	Manage Prescription-Unable to cancel Order - CDR	Puan Aniza unable to cancel CDR order due system prompt error message "Please Contact system Admin". Happens to patient as below : MRN: 820615125870	Issue happen when cancel the drug, system cannot retrieve data from DB	17/12/18	
4	I-PhIS047327218S	Klinik Kesihatan Lanchang	Pharmacy Inventory	28/11/18	Stock Replenish - Unable to approve due to popup stock has been deducted	Receive email from user Mr Fong : Attempting to approve issue of 4 of 5 items (after deleted Chloramphenicol 5% w/v Ear Drops: S02AA01000D1001XX from list) but information pop-up still persists and unable to approve.  Stock Replanish no : F02PS001-0002622	Deleted drug list value not handled properly when click approve in stock replenish.	18/12/18	
5	I-PhIS047409218S	Klinik Kesihatan Leban Chondong	Pharmacy Inventory	30/11/18	Purchase Order : System prompt when Closed transaction	SIT Amirul reported user had key in all the details for Purchasing item for testing purposed. However when he closed the transaction system Prompt message "Please Contact system admin."	PO record is not exists in facility and causing error when closing Purchase Order screen.	18/12/18	
6	I-PhIS047613118S	Hospital Sg Siput	Pharmacy Inventory	7/12/18	Indent Intra (Online Indent) - Indent status still open	Cik Husna reported indent status still shows open even store already done fully supply to them and they also already done fully received in system. Indent: K18002099 Issue	Indent Status not updated properly during receive.	28/12/18	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						no.: I02PS001-0004315 Receive no.: 0004315			
7	I-PhIS047811418S	Klinik Kesihatan Bingkor	Issue - Online/Offline ,Replenish,Direct Issue	14/12/18	Prepacking - Reserve Qty not clear	Ms Sing reported she want to make stock replenish from store to counter. However item was not found in stock replenish screen. According to user, item was active and ward stock already set to Yes. Upon checking in stock balance by drug/non drug, item still have stock with SKU = 15000.  Item code: 02.0011.02	flag values condition not handled properly when click save button after change approved by component.	27/12/18	
8	I-PhIS048361318S	Hospital Beaufort	MTAC	28/12/18	MTAC Reporting - Warfarin Dose Recommended not appear when print report	User Pn Gan reported Warfarin Dose Recommended not appear when print MTAC reporting report. Confirmed by user issue happen for all user that ON for Warfarin MTAC. MRN: HBFT00084993 V1823	warfarin dose recommended not setting in jasper report	17/1/19	
9	I-PhIS048654019S	Hospital Bahagia Ulu Kinta	Special Drug Request	4/1/19	Special Drug Request - Print Permit - Requirement shows not accurate	Pn Shakilaz reported when she print permit, Requirement shows not accurate.  At point number (6): "Dalam tempoh 10 hari dari tarikh pengimport" should be 30 days not 10 days At point number (7): "Pengecualian ini sah untuk pengimportan dalam tempoh 6 bulan dari tarikh ia dikeluarkan" should be 12 month not 6 month.  As user mention at point (6) & (7),	Wrong report format is used at facility for Permit	11/1/19	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						user referring to previous Permit that provided by MOH. Facility Request No.: HBUK0001/2018			
10	I-PhIS048655819S	Klinik Kesihatan Greentown	MTAC	4/1/19	MTAC Report: Unable to click MTAC ORDER button after confirming report.	Email User reported unable to click MTAC ORDER button after confirming report.	mtac order button set disable on confirmed status	15/1/19	
11	I-PhIS048656219S	Klinik Kesihatan Greentown	Report/Enquiry	4/1/19	Reporting pages missing when click on age for sorting (PER-PL102)	Email: User reported:- - Reporting pages missing when click on age for sorting - When do search date 3/12/2018 to 7/12/2018 and the result only show on 7/12/2018	Framework issue, old version of ZK required paging to get data displayed properly, new version of ZK not required all those parameters , due to that listing not able to display data properly	15/1/19	
12	I-PhIS048658119S	Klinik Kesihatan Peringgit	Report/Enquiry	4/1/19	Back order report - Order Date From and Order Date To only appear for 2019	User Ms Ong reported to change Order Date From and Order Date To only able to select from 1 january 2019 until 3 january 2019	The error happened due to after execute Year End process, the past year date (2018) become dimmed and cannot be selected.	15/1/19	
13	I-PhIS048899619S	Klinik Kesihatan Greentown	Outpatient Pharmacy	8/1/19	(2.0.2.4)Screening and verification - Screen move a little bit after click button allocate	User Ms Sabrina reported when user clicks button allocate drug, screen drug down automatically, not as previous version still stay.	Previously system will refresh whole screen to update latest qty after do allocation. Now system will refresh the drug listing section only	15/1/19	
14	I-PhIS048979219S	Klinik Kesihatan Greentown	Report/Enquiry	9/1/19	PER-PL102 - Only able to view 10 patient	Email from Supp Akmal: Only can view 10 latest patient, cannot view from earlier patient come. Refer attachment.	Framework issue, old version of ZK required paging to get data displayed properly, new version of ZK not required all those parameters , due	15/1/19	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
							to that listing not able to display data properly		
15	I-PhIS049097419S	Klinik Kesihatan Au2	Notification	11/1/19	Notification - Other facility not receive notification	Cik Norehan reported other facility not receive notification from KK AU2 since 19/12/2018. Already verify with other facility. Transaction number : N18000040 / N18000041	Notification - Other facility not receive notification because columns are not available in facility 1.8.2.3	15/1/19	
16	I-PhIS049127719S	Pejabat Kesihatan Daerah Pendang	IWP	13/1/19	Request Order Status - Popup message appear when double click transaction	User reported he has approve the order in PKD Authorization for KK Kubur Panjang but order not enter to eP. When check in IWP, no record found for this PO. Details as below:  PO: 19000001 19000002 19000003 19000004 19000005 19000006 19000007 19000008 19000011 Status: PKD Approve in PKD authorization Approve Date: 13/01/2019	Issue happened due to code was pointing to wrong column on ep integration , instead of referring to ep order status its referring to edo status	15/1/19	



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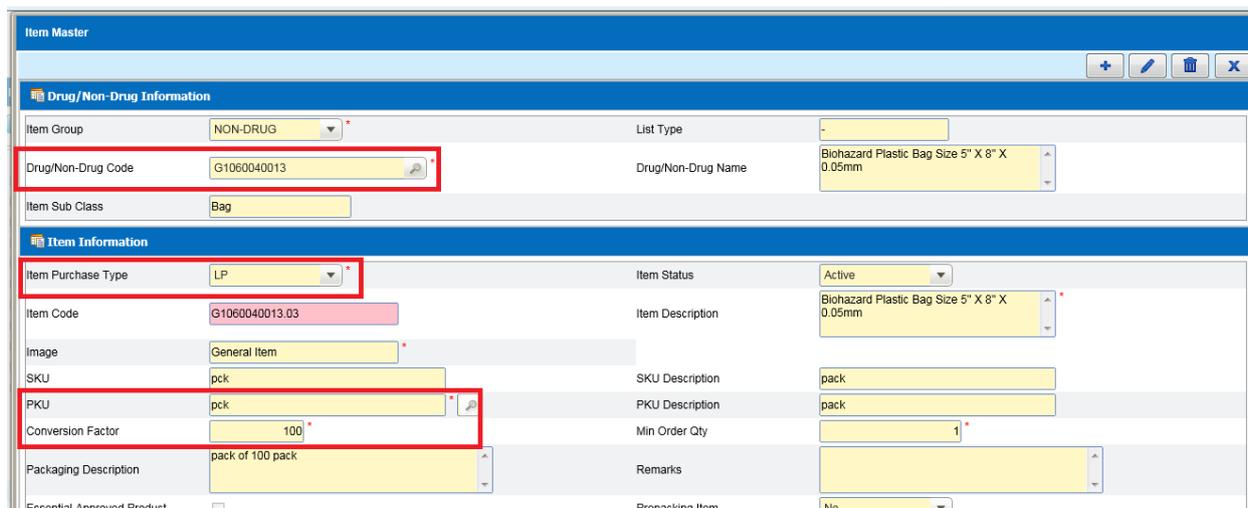
Signature: \_\_\_\_\_ Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Designation: \_\_\_\_\_

Signature: \_\_\_\_\_ Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Designation: \_\_\_\_\_

## 4 Refinement List – Detail Changes

### 4.1 IWP – Item Master

CR No	Module	Function	Description
R180168	IWP	IWP Item Master - To update duplicate validation as alert message only	<p>To update validation when creating new item code. When the new item code has same criteria with existing item for:</p> <ul style="list-style-type: none"> <li>• Drug/Non-Drug code</li> <li>• PKU</li> <li>• Conversion factor</li> <li>• Purchase type</li> </ul> <p>On click on Save button, to display alert message of: Item already exist with same Drug Code, PKU, Conversion Factor and Purchase Type. Are you sure to proceed? [Yes/No]</p> <p>If user selects 'Yes', proceed to save the duplicate item, If user selects 'No', to not save record, remain at current screen</p>



**Item Master**

**Drug/Non-Drug Information**

Item Group: NON-DRUG | List Type: -

Drug/Non-Drug Code: G1060040013 | Drug/Non-Drug Name: Biohazard Plastic Bag Size 5" X 8" X 0.05mm

Item Sub Class: Bag

**Item Information**

Item Purchase Type: LP | Item Status: Active

Item Code: G1060040013.03 | Item Description: Biohazard Plastic Bag Size 5" X 8" X 0.05mm

Image: General Item

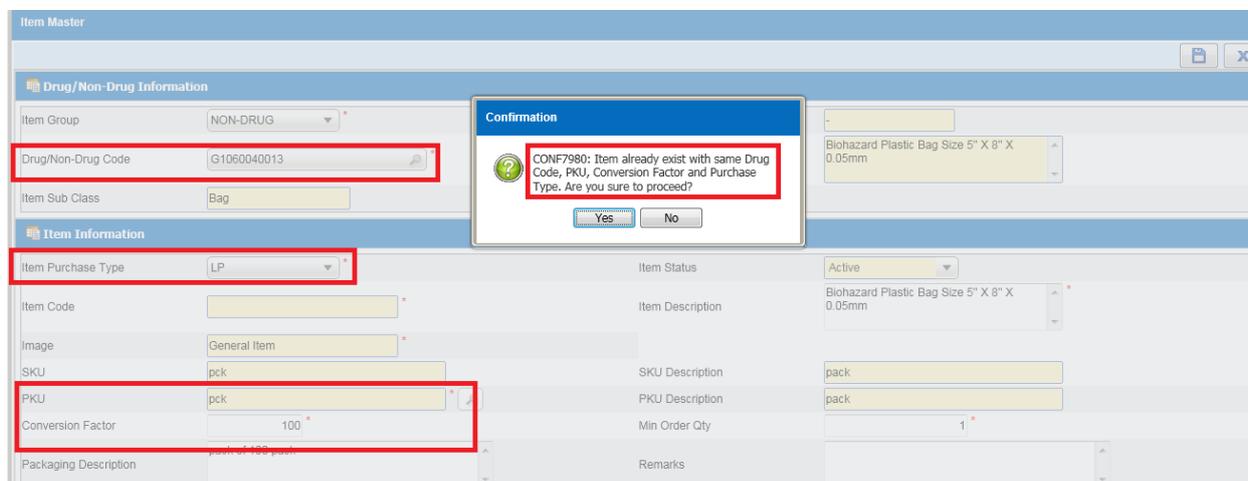
SKU: pck | SKU Description: pack

PKU: pck | PKU Description: pack

Conversion Factor: 100 | Min Order Qty: 1

Packaging Description: pack of 100 pack | Remarks:

Essential Approved Product:  | Prepacking Item: No



**Item Master**

**Drug/Non-Drug Information**

Item Group: NON-DRUG | List Type: -

Drug/Non-Drug Code: G1060040013 | Drug/Non-Drug Name: Biohazard Plastic Bag Size 5" X 8" X 0.05mm

Item Sub Class: Bag

**Item Information**

Item Purchase Type: LP | Item Status: Active

Item Code: | Item Description: Biohazard Plastic Bag Size 5" X 8" X 0.05mm

Image: General Item

SKU: pck | SKU Description: pack

PKU: pck | PKU Description: pack

Conversion Factor: 100 | Min Order Qty: 1

Packaging Description: pack of 100 pack | Remarks:

Essential Approved Product:  | Prepacking Item: No

**Confirmation**

CONF7980: Item already exist with same Drug Code, PKU, Conversion Factor and Purchase Type. Are you sure to proceed?

Yes No



### 4.2 Pharmacy Inventory – Unit Catalogue

CR No	Module	Function	Description
R180167	Pharmacy Inventory	Unit Catalogue List	Allow user to add HQ inactive drug/non-drug as long as facility status is active.

**PHARMACY INFORMATION SYSTEM**

PHIS & CPS: v2.0.2.4 Last Modified: 07/01/2019 10:00 AM

User: NOOR FAZNIDA BT SAID (inactive) ; Unit: FARMASI KLINIK PAKAR (SUBSTORE)

Item Group: DRUG Pending Configuration: All

Drug/Non Drug Code: Drug/Non Drug Description:

Facility Status: Active HQ Status: Inactive

Standard Item: All Item Sub Class: All

Drug/Non Drug Code	Drug/Non Drug Description	HQ Status	Facility Status	Standard Status	No of Items (Active)	No of Items (Inactive)	Pending Configuration	Created Date	Last Modified Date
B05ZA00908H1002b	Haemodialysis Concentrate Bicarbonate Component B (Panacarb, K2)	Inactive	Active	Yes	1	0	No	02/11/2013 03:11 PM	28/08/2018 04:50 PM
EYE00024	Phenylephrine HCl 10% Eye Drops	Inactive	Active	No	0	1	No	02/11/2013 03:11 PM	06/12/2017 08:21 PM
KPK00199	Vigobanin 500mg Tablet	Inactive	Active	No	1	0	No	02/11/2013 03:11 PM	06/12/2017 08:21 PM
D07AC01256G1002a	Betamethasone 17-Valerate 0.1% Cream	Inactive	Active	Yes	1	0	No	22/04/2014 09:54 AM	06/12/2017 08:21 PM
V07AV00100L990	Benzalkonium							02/11/2013 03:11 PM	22/11/2018 11:14 AM

**UNIT CATALOGUE**

Unit Code: FKP Unit Name: FARMASI KLINIK PAKAR (SUBSTO)

Item Group: Drug Item Sub Class:

Store Code: Store Name:

Drug/Non-Drug Code: EYE00024 Drug/Non Drug Name: Phenylephrine HCl 10% Eye Drops

Buffer Level Qty: 10 SKU: bott

Min Indent Qty: 1 Min Issue Qty: 1

Min Storage Qty: 1 Max Storage Qty: 1,000

Ward/Unit Stock: Yes No Status: Active

External Preparation:  General Item:  IV/IP/IRR Solution:  Implant:  Inhalers, Eye/Ear/Nose Preparations:

Infectables:  Instrument:  Internal Preparation:  Lab Apparatus:  Lab Chemical:

Miscellaneous:  Not Applicable:  Parenteral Nutrition:  Personal Protective Equipment:  Psychotropic/Narcotic:

Radiological Item:  Radiopharmaceuticals:  Raw Material:  Reagent:  Rehabilitation Devices:

Renal/Nephrology:  Respiratory Devices:  Surgical Tools:  Tablet/Capsule:  Vaccine:

## 5 Deployment - Procedures

### 5.1 List of Items to be Deployed

No.	Items	Components	Path
1	Facility Script	1. PatchScripts_PhIS_V2.0.2.4.0.txt 2. PatchScripts_PhIS_V2.0.2.4.1(2.0.X_PhIS).txt 3. PatchScripts_PhIS_V2.0.2.4.2(2.1_PhIS).txt	<a href="https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/scripts">https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/scripts</a>
2	Facility Application	iphis_v2.0.2.4.war	<a href="https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/war">https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/war</a>
3	Facility Application	PhISService_v2.0.2.4.war	<a href="https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/war">https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/war</a>
4	Facility Application	PhISSchedulers_v2.0.2.4.jar	<a href="https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/jar">https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/jar</a>
5	Mobile Application	ipadhosp-2.0.0b30.war	<a href="https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/Mobile">https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/Mobile</a>
6	Mobile Application	iphismobile_user_v2.0.2.4.war	<a href="https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/Mobile">https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/Mobile</a>
7	HQ Script	1. PatchScripts2.0.2.4_IWP.txt 2. PatchScripts2.0.X_IWP.txt 3. PatchScripts2.1_IWP.txt	<a href="https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/scripts">https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/scripts</a>
8	HQ Application	phishq_v2.0.2.4.war	<a href="https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/war">https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/war</a>
9	HQ Application	masterRelease_v2.0.2.4.jar	<a href="https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/jar">https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/jar</a>
10	HQ Application	epservice.war	<a href="https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/war">https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/war</a>

## 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	1. PatchScripts_PhIS_V2.0.2.4.0.txt 2. PatchScripts_PhIS_V2.0.2.4.1(2.0.X_PhIS).txt 3. PatchScripts_PhIS_V2.0.2.4.2(2.1_PhIS).txt	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/scripts	Please ensure all the script is execute before iphis.war deploy. Please ensure the script is executed in sequence. Script file 1 Execute as pgScript and Script file 2 execute by high lighting one by one
2	Facility Application	iphis_v2.0.2.4.war	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/war	Please rename the war file from iphis_v2.0.2.4.war to iphis.war then deploy.
3	Facility Application	PhISService_v2.0.2.4.war	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/war	Please rename the war file to PhISService.war then deploy.
4	Facility Application	PhISSchedulers_v2.0.2.4.jar	https://10.1.2.02:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/facility/jar	Backup jar file from /home/phisesb/phisjars/ and copy downloaded jar and rename to PhISSchedulers.jar. Then Restart crontab.

Step	Items	File Name	Source Path	Action
5	Mobile Application	ipadhosp-2.0.0b30.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/Mobile	Rename ipadhosp-2.0.0b30.war to ipadhosp.war and deploy. - Mobile Frontend: 2.0.0r30 - Mobile Backend: 2.0.0b30
6	Mobile Application	iphismobile_user_v2.0.2.4.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/Mobile	Rename iphismobile_user_v2.0.2.4.war to iphismobile_user.war and deploy.

### 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	PatchScripts_IWP_v2.0.2.4.txt	https://10.1.2.0.2.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/scripts	Execute as Script
2	HQ Application	phishq_v2.0.2.4.war	https://10.1.2.0.2.22:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/war	Rename the war file from phishq_v2.0.2.4.war to phishq.war then Deploy using Glassfish Administration Console
3	HQ Application	masterRelease_v2.0.2.4.jar	https://10.1.2.0.2:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/jar	Rename the jar file to masterRelease.jar and copy to directory '/home/phisesb/phisjars' Then restart the crontab.
4	HQ Application	epservice.war	https://10.1.2.0.2:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV2.0.2.4/iwp/war	Deploy using Glassfish Administration Console