



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

Release Note

For version 1.6.1.3

<p>Version : 1.0 Document ID : PhIS_CPS/ReleaseNote/Refinement/04082017</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	04/08/2017	Zainura	Chew Ming Ping	First Version

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Peer Review

Version No	Reviewed / Verified by	List Of Changes from Previous Version
1.0	Michelle Foo (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	:	1.6.1.3
Client Name	:	Ministry of Health
Release ID	:	RL17/011
Release Date	:	04/08/2017

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

The following are the technical refinement that included in PhIS v1.6.1.3:

No	CR No	Module	Function	Description	Ticket No	Facility	Reference
1	CR17089	Pharmacy Inventory	Indent (Inter facility) - Duplicate indents	User reported, there are duplicate indents of same external number appeared twice. R01PS001-0005079 same as R01PS001-0005090 Indent No: R16001150 R01PS001-0005092 same as R01PS001-0005078 Indent No: R16005859 R01PS001-0005077 same as R01PS001-0005091 Indent No: R16001107	I-PhIS015796916S	MUSN Kuching	Technical improvement, check duplication if resend

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Signature: _____ Name: _____
Date: _____ Designation: _____

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Date: _____ Designation: _____

3.2 Resolved Defect List

The following are the summary of resolved defect list that included in PhIS and CPS version 1.6.1.3.

No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
1	I- PhIS019768817S	Klinik Kesihatan Bukit Rambai	Adverse Drug Reaction (ADR)	5/7/17	ADR Reporting - Unable to save	User reported she unable to save for ADR reporting drug at Drug Detail's section due to when key in and click save, appear popup ;Please contact admin'. After user click OK, appear popup 'No drug selected'. User inform already select the drug before. MRN: KKE040012000000847 (Muhamad bin Mahbob) Drug code: M04AA01000T1001XX	This bug is caused by the null pointer not handle correctly	20/7/17	
2	I- PhIS019854517S	Hospital Queen Elizabeth II	Clinical Pharmacokinetic Services (CPS) & TDM	12/7/17	TDM - TDM lab result shows wrong - lab parameter cp2	User reported same problem happened with report number 17137147C even he has used V1.5.3. User informed proceed to "Pharmacy Transaction" > "Ward Pharmacy (CP2)" > search for the particular patient > click on "Lab Parameter", we found out that patient's creatinine clearance located at column "Serum Creatinine (SrCr)" instead of Creatinine Clearance (CrCl) and patient's serum creatinine located at column "Calcium (Ca)" instead of SrCr. Patient Name: Madi Bin Amat	This issue happens due to wrong column maps in ph_tdm_order and ph_lab_result_buse_rp tables.	27/7/17	
3	I- PhIS019861417S	Klinik Kesihatan Batu Arang	General Module	12/7/17	Drug Non Drug Catalogue - one of default item not exist to select if	User reported she unable to select item default 09.2401.01 due to it not exist at the option list. User informed she want to order the	while selecting default item repacking filter wrong column taken, previously taking	18/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
					repack yes	non-drug item but she can put item default of 09.2401.07 due to HQ status inactive. Drug Code: N2100550001	prepackGenItemFlag in item table instead of item Prepack item information table		
4	I-PhIS019811917S	Hospital Pakar Sultanah Fatimah	Inpatient Pharmacy	9/7/17	Clinical Summary - Error when view all medication	User reported that DR already order discharged drug for the patient and status already verified but she unable to find the patient in preparation or other screen. When she check all medication in clinical summary, error 'Please contact your system administrator' MRN : HPSF00197862	system does not handled the size of the array due to this when trying access values hitting array index out of bounds exception.	28/7/17	
5	I-PhIS020021417S	Hospital Sungai Bakap	Inpatient Pharmacy	26/7/17	Fill list - Unable to save fill list - drug not allocate, no stock after change DM Dispense UOM	Ms Moo informed unable to save fill list and info message pop up : Info 5072 : No stock available with default dispense UOM for drug in Ward Lelaki Perindolpril 4mg tablet	Allocation was using conversion factor based on default dispense UOM. Since the default dispense UOM item don't have stock system failed to allocate. By change default dispense UOM to others it will not reflected on calculation automatically since dispense UOM already record in DB.	31/7/17	
6	I-PhIS019790717S	Klinik Kesihatan Kuala Pilah	IWP	6/7/17	Peruntukan dan Perbelanjaan (Hospital & Klinik) - Appear duplicate transactions	PPn Chen report when she check under report Peruntukan dan Perbelanjaan (Hospital & Klinik) for vote 070401/020600/27401/99, appear duplicate entry for object code 27401. Also, she inform that baki peruntukan shows negative figure.	Calculated value for Peruntukan Amount, Perbelanjaan and Baki Peruntukan wrong in Query.	20/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
7	I- PhIS019856517S	Pejabat Kesihatan Daerah Perak Tengah	IWP	12/7/17	Request Order Status (IWP) - Amendments Ship to code not change after approved	User report KK Changkat Lada has indent item APPL. But before user want to approved the indent she found Ship To Code appear is wrong code. Then user already fix the code to right code and approved. But when user print the request Order Authorization ship to code still appear wrong code. It happen for two PO No. User insist to know what is the status for this PO meanwhile ship to code still appear wrong. PO No: PO: P017000100 PO: P017000101 right code -89444 wrong code- 89443	Save on Ship to code field is not handled.	21/7/17	
8	I- PhIS020026417S	Bahagian Perkhidma tan Farmasi (BPF)	IWP	26/7/17	Notification IWP - Error 500 appear when save.	Receive email from user : 1. Create new notification a. Select notification type 'Message' – Recall product List listed as well. This should not happen 2. After click 'save' a. ERROR 500.	The error prompted due to there is null value appear when the user save the notification screen	2/8/17	
9	I- PhIS019794817S	Hospital Umum Sarawak	Manufacturing - Radiopharmac eutical	7/7/17	Stock Verification - Intra Facility Status is Open, but record already send to Stock Verrification	Miss Lau reported Batch No not appear in Generator Elution. She confirm she already make receiving (intra facility). She also done with Stock Verification before proceed to Generator Elution. Generator No: Ph000052.15 Receiving No: RI17031921	missing validation to only display record on Stock Verification for status 'Open' on Receive Intra	21/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						Suppose Batch No: HCIX028			
10	I- PhIS019821617S	Hospital Umum Sarawak	Manufacturing - Radiopharmaceutical	10/7/17	Kit Preparation - Item not appear in cold kit vial 2	User reported item not appear when she insert in Cold Kit Vial2 for this item code number, RPH000041.02. User claimed others item able to insert in Cold Kit Vial2.	(Coding issue) Wrong logic used to search ph_rp_source while selecting coldkit drug.	20/7/17	
11	I- PhIS019952117S	Hospital Pakar Sultanah Fatimah	Outpatient Pharmacy	20/7/17	Direct Print label - Does not appear strength of drug - drug name not fully display	User reported Label printed directly is missing strength of medicine. Can cause medication error. But from print preview correct label can be printed. MRN : HPSF00115323	Direct printing unable fit drug name with very long string value in direct printing.	27/7/17	
12	I- PhIS019963917S	Hospital Tapah	Outpatient Pharmacy	21/7/17	(1.6.1.3) SPUB form - Next collection date not appear	User reported next collection date not appear. User inform for version 1.4.1.6 appear but current version not appear. After complete sent SPUB, no popup appear. Should be appear "SPUB already sent out". User did not know the SPUB already sent or not. example ID patient 790621086142	SPUB form - Next collection date not appear	1/8/17	
13	I- PhIS019978517S	Hospital Tanah Merah	Outpatient Pharmacy	23/7/17	Re-Dispensing - dispense UOM not update at label if do alternate drug	user reported dispense quantity is not tally with dispense batch detail as doctor wrongly transcribe drug Sulphamethoxazole 400 mg Trimethoprim 80 mg Tablet(J01EE01961T1001XX) 40tablet BD for 7days for patient , pharmacist already perform	Allocation qty uom is referring from normal dispense drug even though user dispensing alternate drug. As well as dispense qty value referred from normal dispense drug. (Expected	1/8/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						alternate from tablet to syrup, but user inform at system appear dispense quantity is 480 mls. its supposed 60mls only. Patient MRN:HTM00007723	same value need to used in allocation from alternate drug dispense qty)		
14	I-PhIS020005517S	Klinik Kesihatan Kamunting	Outpatient Pharmacy	25/7/17	Drug Label- Wrong indication and not appear - Drug master facility default indication	User reported got issue with indication after new release version. Indication Description not appear Drug Code : C03CA01000T1001XX Frusemide 40 mg Tablet IC Patient: 830917086380 (Testing patient) Appear in label : - Default : Diuretic Drug Code :C03DA01000T1001XX Spironolactone 25 mg Tablet Appear in label : Already set default Indication Description but appear wrong indication Drug Code : C07AB02123T1002XX Metoprolol Tartrate 100 mg Tablet Appear in label :Sakit Jantung/Angina Default : Hypertension	Previously system just takes the first indication value in DB if there is no facility default indication value	26/7/17	
15	I-PhIS019736417S	Hospital Sentosa	Pharmacy Inventory	3/7/17	KEWPS9 quantity and Unit Catalogue Quantity not the same	Receive email from user reported at KEWPS9 quantity and Unit Catalogue Quantity not the same for Prednisolone 5mg Tab (02.3016.01). For this item, Prednisolone 5mg Tab (02.3016.01), the KEWPS9 report generated persistently	Quantity was not calculated properly,	20/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						shows an amount of 30 tabs, even though the actual amount as indicated by Unit Catalogue and Item Movement Report is 115 tabs. All reports were generated on the same date (030717)			
16	I- PHIS019783417S	Hospital Taiping	Pharmacy Inventory	6/7/17	Recommended Issue Quantity(Internal)- not showing the right item	Receive email from user reported at RIQ result of filtering not shown right item. Steps: At screen Recommended Issue Quantity(Internal), user has select Item Group: DRUG Add Drug Name: Vancomycin HCl 500mg/10ml injection Method: FIFO Drug code default: J01XA01110P4001XX click search. click indent no K17004062 from list. At the Recommended Issue Quantity Item List not include the drug name Vancomycin HCl 500mg/10ml injection	While searching ,drug status (Fully Supplied) filter not handled properly	20/7/17	
17	I- PHIS019788217S	Hospital Tawau	Pharmacy Inventory	6/7/17	Receive from Supplier (AP:Replacement) - Unable to approve receive	En Fitri reported he unable to make receiving for replacement DO:143579114 due to when user click button 'Approve', appear pop out 'This DO is already use for the supplier for another LPO'. LPO:L0251140501170030 Old DO: 133460061 Replacement DO: 143579114	While selecting DO no. validation not handled properly	28/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
18	I-PhIS019843017S	Klinik Kesihatan Kalumpang	Pharmacy Inventory	11/7/17	Item Movement - Price should not divide by the CF	<p>User reported amount of receiving from PKD Hulu Selangor in item master shows different from hardcopy. In system shows amount receiving stated as RM 9.15 with average price RM0.0009 but in hardcopy shows total amount are RM823.72.</p> <p>Furthermore he informed average price show different during receiving and issuing even the transaction done in the same day.</p> <p>Item code: B01AC06259T1001XX.04 Item: Acetylsalicylic Acid 100 mg, Glycine 45 mg Tablet Received item Date: 15/6 Quantity (SKU): 1,800 Item Average Price (SKU)(RM): 0.0789 Amount: RM142.20 Date: 11/7 Quantity (SKU): 10,440 Item Average Price (SKU)(RM): 0.0009 Amount: RM9.15 Issue Date: 11/7 Quantity (SKU): 3,600 Item Average Price (SKU)(RM): 0.0789 Amount: RM284.04</p>	while inserting into stock movement always doing conversion happen regardless of SKU / PKU so sku unit price values shows wrongly	26/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
19	I-PhIS019851417S	Klinik Kesihatan Kalumpang	Pharmacy Inventory	12/7/17	Purchase Order (APPL) - Status not changed auto once Pending For PKD Approval at Listing page	User reported that status not updated after he approve purchase order for APPL item in PhIS. User inform after he approve the purchase order, status appear "Open" at the purchase order list screen. User need to logout and login back and when he check, the status will change to "Pending for PKD approval". User complaint that this issue already happen for the third times. PO No: PO17000131	Listing Page refresh is not handled automatically once done approve/Ep approve	21/7/17	
20	I-PhIS019870917S	Hospital Tawau	Pharmacy Inventory	13/7/17	Receive (Intra) - not related item appear	User reported IPD and OPD has sent return item using different return transaction. User informed she open the return transaction from IPD first to check the item but not retrieved yet. Then user open return transaction from OPD, and user click retrieved but at received transaction appear item return from OPD and IPD instead the item from OPD only. User informed this issue repeated from previous bug issue at previous version (Previous bug report: 17134444C). Refer user attachment. RT17001121 From OPD (Insulin aspart 30%/aspart protamine 70%(NovoMix-30) 100 IU/ml FlexPen) RT17001123 From IPD (Cyanocobalamin 1mg/ml	Messages not loaded properly while do deployment.	25/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						Injection) RI17036463 combine item from OPD and IPD			
21	I- PhIS019874117S	Klinik Kesihatan Bukit Changgang	Pharmacy Inventory	13/7/17	Receive Inter Facility - Indent no. not appear to proceed with receiving	User at main store not able to proceed with receiving after done retrieve the indent. Indent type is Manufacturing and created by main store user. Receiving only can be done by level 3 (unit prabungkus) user. At facility info Manufacturing Indenter Unit was setting to main store. No Issue:N12PS001-000432 Indent No: R17000452	If Main store User with manufacturing/Spub setup at receiving level indent bandbox showing only normal indents because of validation handled only for Substore & Wad Level.	26/7/17	
22	I- PhIS019953917S	Klinik Kesihatan Tasek Gelugor	Pharmacy Inventory	20/7/17	Physical Checking : filter not function	User reported want to proceed with physical checking for APPL item. User select Item purchase type as APPL. After that user click add item and then click search. User informed all item appear include LP and contract item. Confirmed by user supposed appear APPL item only.	Messages not loaded properly.	25/7/17	
23	I- PhIS019978917S	Hospital Sik	Pharmacy Inventory	23/7/17	Item movement - Total Amount wrongly appear	User reported total amount in item movement wrongly appear mostly for all item purchase item APPL,LP and contract. user inform issue happen at transaction receive item from supplier example item: 1.metphormin (02.2406.04) 2.metoprolol (02.2412.08)	The calculation is wrongly apply for received from supplier screen.	27/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						3.Coal Tar 1%, Salicylic Acid 2% Shampoo (Sebitar) - D05AA00946L5002.01 user request to check all the transaction at item movement and to perform data patch as user inform after user checking all transaction receive item from supplier facing the same issue Total Amount wrongly appear			
24	I- PHIS019981717S	Hospital Sultanah Aminah	Pharmacy Inventory	24/7/17	RIQ (Internal) - Unable to find indent no for partial supply	User reported unable to find indent no. for partially supply indent at RIQ (Internal) screen. Example scenario: Ward anggerik 3 already perform indent inter facility to inpatient pharmacy for 10 item. User at inpatient already approve indent for 6 item only. User informed he able to find indent that has been approved at issue screen. But user unable to find indent at RIQ screen to perform issue for balance 4 item. Example indent no.: K17016863	while changing unit,requester unit filter not handled properly	28/7/17	
25	I- PHIS019965317S	Hospital Simunjan	Report/Enquiry	21/7/17	PF 5.5(a) (2016) - Report not tally	BI business tool not tally with local generated report	Date and time for updated date field is not updated	28/7/17	
26	I- PHIS019978017S	Klinik Kesihatan Parit Jawa	Report/Enquiry	23/7/17	MAA Report - Details wrongly appear - filter problem	User reported details wrongly appear when user generate MAA report. User informed if she select MPR (Medication Possession Ratio) as All, will appear 2 patient name. Then if user select MPR as < than	This issue happens due to 'Previous Supply End Date Time From', 'Previous Supply End Date Time To' filter with duration start and duration_end date	28/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						80%, also appear 2 patient name. Confirmed by user supposed if she select MPR as All, will appear more than 2 patient name.	time instead of previous duration end date time.		
27	I-PhIS019985117S	Klinik Kesihatan Balakong	Report/Enquiry	24/7/17	MAA Report - Previous Supply End Date Time To not tally	User reported MAA report Previous Supply End Date Time To not tally . End Date To should be end at 13July but in system show end date on 17 August. User choose Previous Supply End Date Time From - 13/6 Previous Supply End Date Time To - 13/7	This issue happens due to 'Previous Supply End Date Time From', 'Previous Supply End Date Time To' filter with duration_start and duration_end date time instead of previous duration end date time.	28/7/17	
28	I-PhIS019868217S	Hospital Tengku Ampuan Afzan	Special Drug Request	13/7/17	Special Drug Request - Unable to delete patient record	Cik Anisah reported unable to delete patient record. She informed her issue as below:- <ol style="list-style-type: none"> 1. She create a request 2. She accidentally select wrong patient 3. Unable to delete the patient 4. She add correct patient 5. Still unable to delete the wrong patient 6. She then delete the whole request Request No: HTAA0060/2017 <ol style="list-style-type: none"> 1. She create a new request 2. She want to add patient as a 'New' 3. But patient not found 4. So she currently chose 'Repeat' instead MRN: HTAA00064174	Code not properly handle for delete patient function	27/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
29	I-PhIS020015117S	Hospital Queen Elizabeth	Special Drug Request	26/7/17	Special Drug Request - Patient details wrongly appear	<p>User reported want to perform special drug request. But when user search patient details, appear wrong patient name. When user check again patient name at patient registration screen, patient name is correct.</p> <p>Step:</p> <ul style="list-style-type: none"> -User key in detail at Special Drug Request. -User add patient details at Patient column -User click search button -User type 1st word of patient name instead of MRN -User enter patient name, but patient name wrongly appear. -User reconfirm again patient name at patient registration screen. Patient name is correct. <p>Patient details:</p> <p>Alex Floody: HQE00051131 (incorrect)</p> <p>Alex Floody Wonnie MA: HQE00055214 (correct)</p> <p>Ronaldo Mourising: HQE00057005 (incorrect)</p> <p>Ronaldo Mourising: HQE00057756 (correct)</p>	When searching by patient name, it will show all patient records based on name key-in.	28/7/17	
30	I-PhIS019861817S	Hospital Dutchess of Kent	Ward Pharmacy	12/7/17	CP2-Pharmaceutical Care Issues - Unable to change date on Intervention section in PCI	In the clinical pharmacy part, Pharmaceutical Care Issues window, we are unable to change the date/ edit the date after the add/update button have been	Cause by the previously coding save edited date using system date.	20/7/17	



No	Ticket No	Facility	Module	Reported Date	Title	Description	Root Cause/Analysis	Resolved Date	Verify Status
						pressed. It would be useful to add back any missed PCI for the previous date to ensure complete data input and complete patient care.(request). Kindly refer attachment.			

Verified and Acknowledged By:

Signature: _____ Name: _____
Date: _____ Designation: _____

Signature: _____ Name: _____
Date: _____ Designation: _____



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	1. PatchScripts_PhIS_v1.6.1.3_1_Functions.txt 2. PatchScripts_PhIS_v1.6.1.3_1.txt 3. PatchScripts_PhIS_V1.6.1.3_2.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.6.1.3/facility/scripts
2	Facility Application	iphis_v1.6.1.3.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.6.1.3/facility/war
3	HQ Script	PatchScripts_IWP_v1.6.1.3.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.6.1.3/iwp/scripts
4	HQ Application	phishq_v1.6.1.3.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.6.1.3/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	1. PatchScripts_PhIS_v1.6.1.3_1_Functions.txt 2. PatchScripts_PhIS_v1.6.1.3_1.txt 3. PatchScripts_PhIS_v1.6.1.3_2.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.6.1.3/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_v1.6.1.3.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.6.1.3/facility/war	Please rename the war file from iphis_v1.6.1.3.war to iphis.war then 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_v1.6.1.3.txt	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.6.1.3/iwp/scripts	Execute as Script
2	HQ Application	phishq_v1.6.1.3.war	https://10.1.1.82:44330/svn/Workspace_Dataware/31_Implementation/Applications/PhIS_ReleaseV1.6.1.3/iwp/war	Rename the war file from phishq_v1.6.1.3.war to phishq.war then Deploy using Glassfish Administration Console