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

PhIS & CPS Win7 Upgrade to Win10 & Direct Printing Manual

Version : 1.1

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Revision History

Version No.	Date of Release	Consolidated by	Verified by	List of changes from Previous Version
1.0	22-04-2020	Arif Syahrir Mohd Isah	Sophian Ezudean Mustapha	Initial document
1.1	30-09-2020	Arif Syahrir Mohd Isah	Sophian Ezudean Mustapha	Additional section on Direct Printing Guide

Verified and Acknowledge by

Name	Role / Designation	Organization	Signature & Date
Sophian Ezudean	Manager	Pharmaniaga Logistic S/B	
		Bahagian Perkhidmatan Farmasi (BPF), KKM	
		Bahagian Perkhidmatan Farmasi (BPM), KKM	

Peer Review

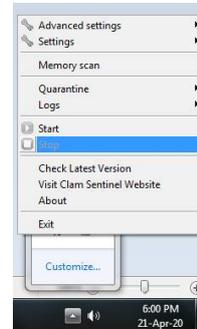
Version No.	Reviewed / Verified by	List of changes from Previous Version
1.0	(QA) Juridah	- Overall Review
1.1	(QA) Juridah	- Overall Review

Pre-Requisite

1. Make sure Ethernet Cable is connected and connection to Internet is up
2. Make sure to perform the upgrade in **Admin Account**
3. Please stop ClamWin Antivirus

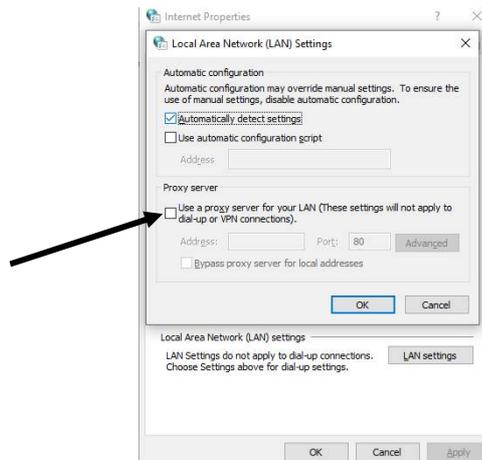


a) Right click on “Clamwin”



b) Select “Stop”

4. Go to “Internet Option” on “Connection” tab and go to “LAN settings proxy server” and Untick as below steps:



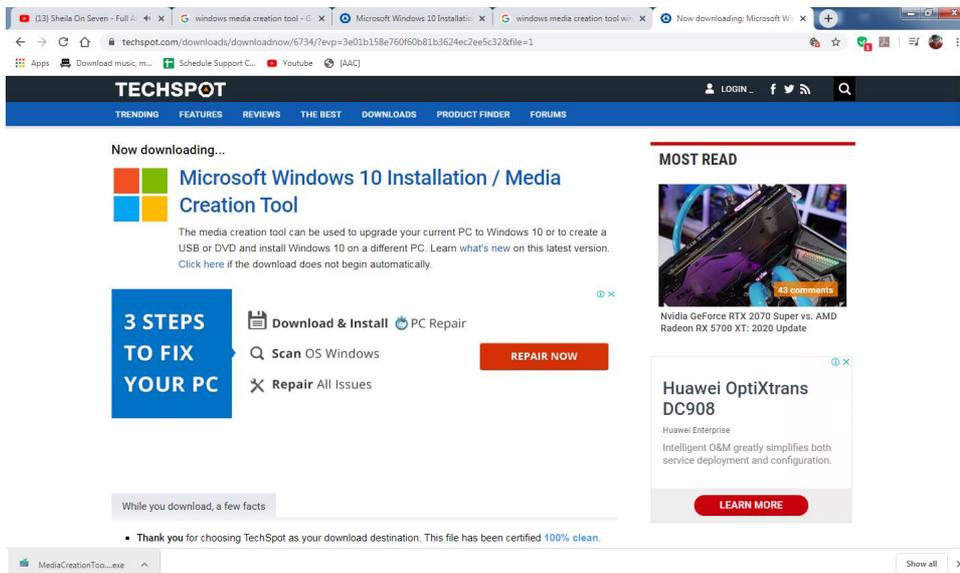
“START BUTTON > TYPE INTERNET OPTION > CONNECTION TAB > LAN SETTINGS”

5. Browse to “<https://www.techspot.com/downloads/6734-windows-10-installation-tool.html>” (DOWNLOAD MEDIA CREATION TOOL FOR WINDOWS 10) Click Download Now



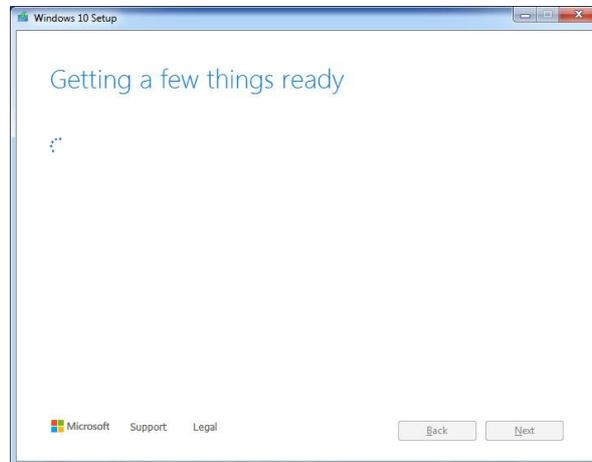
The screenshot shows the TechSpot website interface. At the top, there is a navigation bar with links for TRENDING, FEATURES, REVIEWS, THE BEST, DOWNLOADS, PRODUCT FINDER, and FORUMS. Below the navigation bar is a banner for Huawei OptiXtrans DC908. The main content area features a large heading for 'Microsoft Windows 10 Installation / Media Creation Tool'. Below the heading is a sub-heading and a paragraph describing the tool's purpose. A 'Download Now' button is prominently displayed. To the right, there is an advertisement for Huawei OptiXtrans DC908.

6. After finished download, double click on ***MediaCreationTool.1909.exe***



The screenshot shows a web browser window displaying the TechSpot website. The browser's address bar shows the URL: [techspot.com/downloads/downloadnow/6734/?evp=3e01b1584760f60b81b3624ec2ee5c32&file=1](https://www.techspot.com/downloads/downloadnow/6734/?evp=3e01b1584760f60b81b3624ec2ee5c32&file=1). The page content includes a 'Download & Install' section with a 'REPAIR NOW' button. The browser's taskbar shows several open windows, including 'windows media creation tool - C...', 'Microsoft Windows 10 Installat...', and 'windows media creation tool w...'. The browser's status bar shows 'MediaCreationToo...exe'.

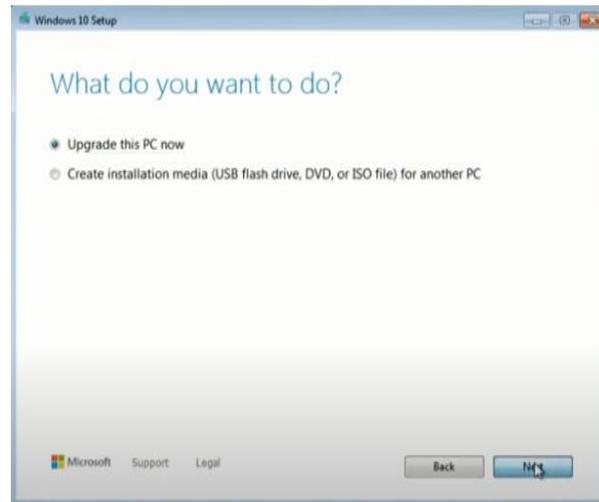
Windows 7 Upgrade to Windows 10



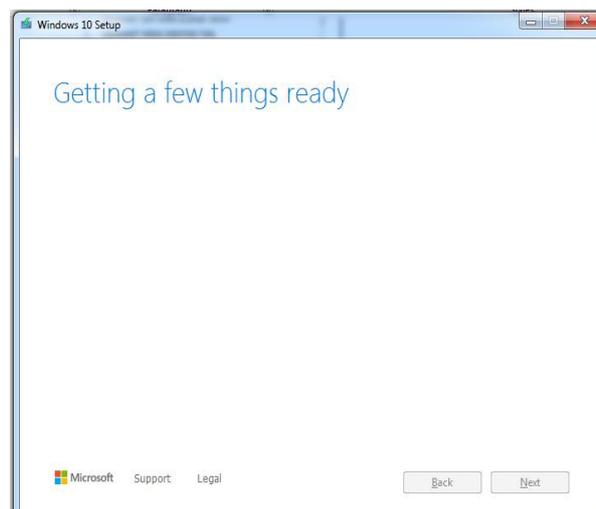
1. Ready for installation



2. Click "Accept"



3. Select **“UPGRADE THIS PC NOW”** and click **“NEXT”**



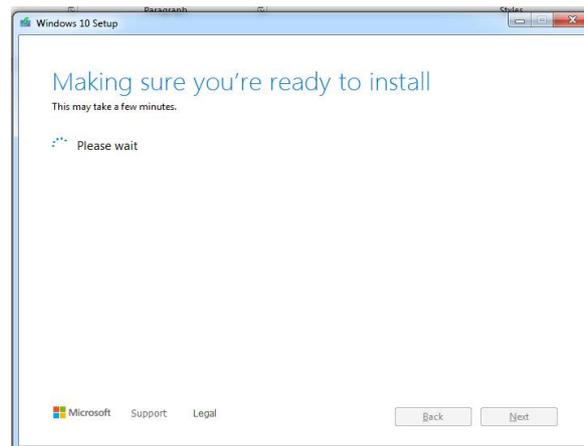
4. Ready for installation



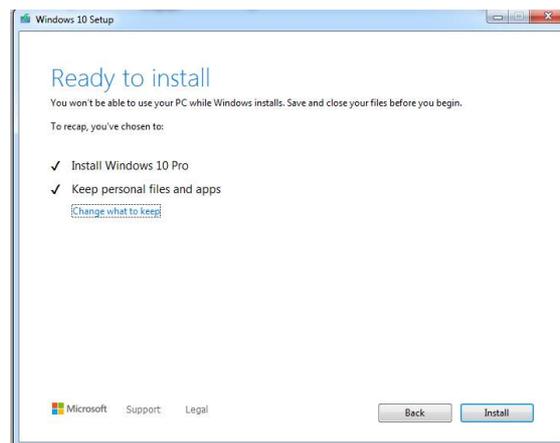
5. Windows Installation is loading



6. Click "ACCEPT"



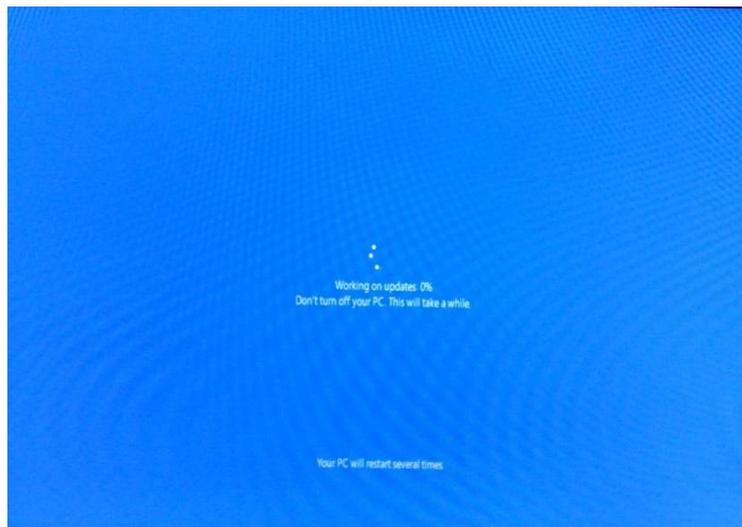
7. Please wait until installation finish



8. Click button **“INSTALL”** and PC will be automatically restarting



9. After restart, PC will be entering Windows 10 and let it finish until 100%



10. Just keep wait and the updates will take about an hour to finish



11. Click “**ACCEPT**” and windows upgrade is **DONE**

*Please make sure the PC is hardened after the upgrade (Refer Hardware Hardening Document)



PhIS Direct Printing Setup Guide

Pre-Requisite:

Windows: Workstation/Client PC must have Windows 7 OS onwards.

Privilege: To register the service, Administrator access is required.

Port 9191: There should not be any services running at 9191 port on workstation/client PC.

JDK 8: Java 8 is required to install first prior to register PhIS Client service, steps and installation files are provided.

Purpose:

To support Direct printing to the default printer for all browsers.

To support MyKad/MyKid reader for all browsers.

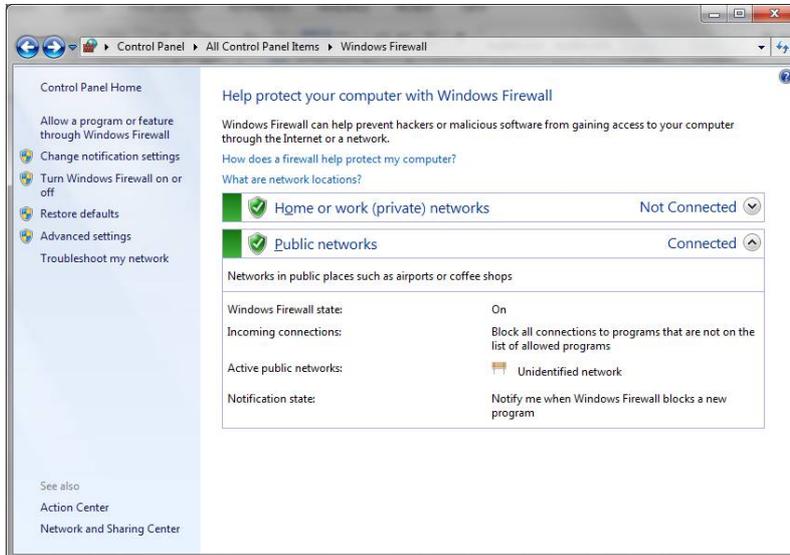
Download:

Download **jdk-8u231-windows-x64.exe** and **PhISClientService.zip** to the local drive from:

<https://drive.google.com/drive/folders/1os1kOLxC2ApobEeBVf3-0tMrQ9I9S3ze?usp=sharing>

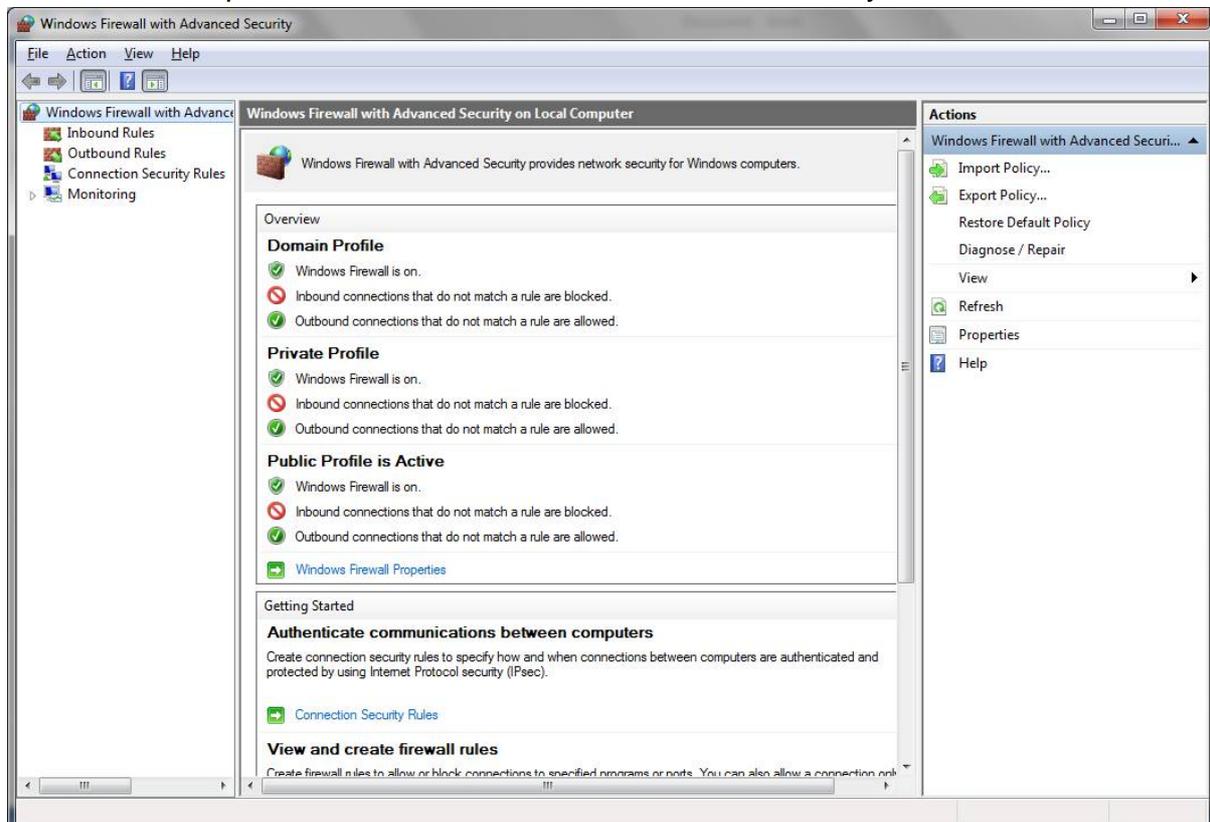
Firewall & Stealth Mode Setting

1. Windows Firewall = On



2. Create Port 9191 in Windows Firewall

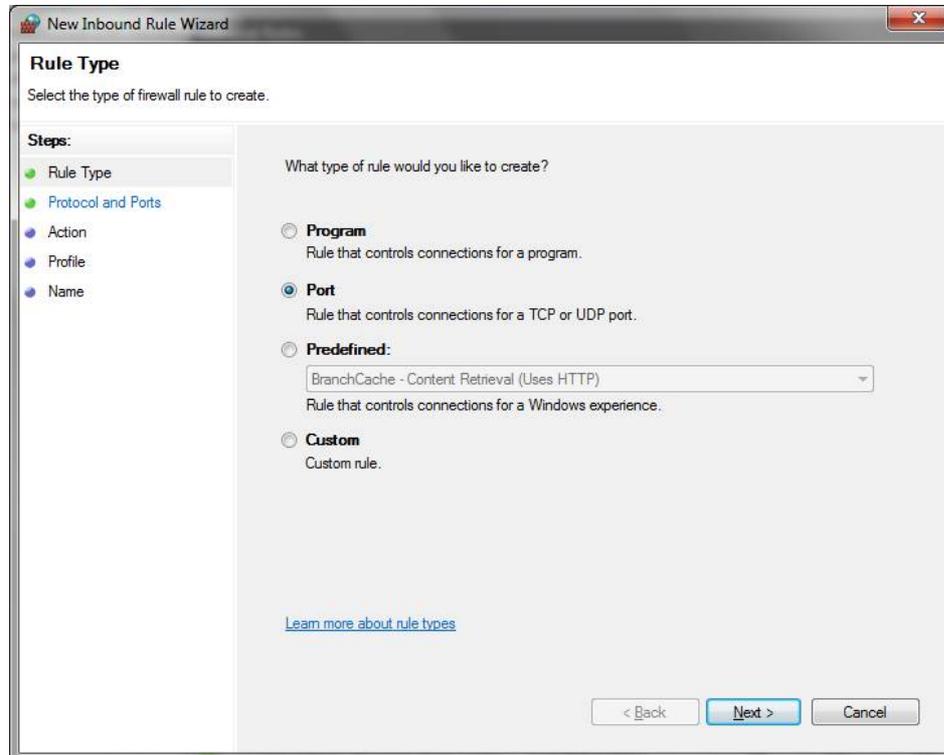
a. Open Windows Firewall with Advanced Security



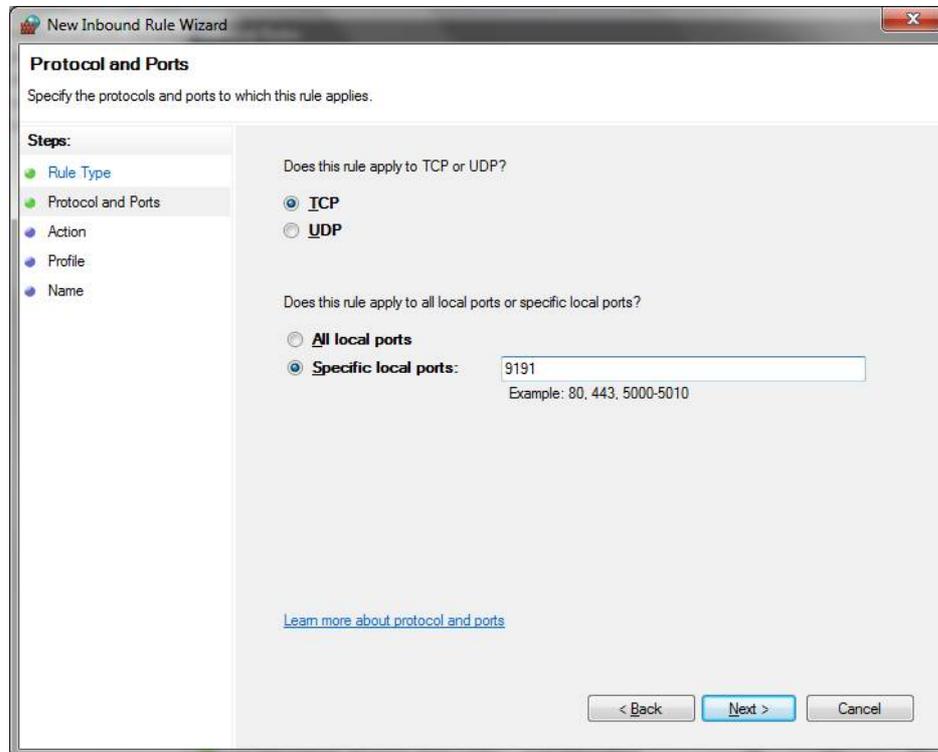
b. Create New Rules in Inbound & Outbound

i. Inbound Rules

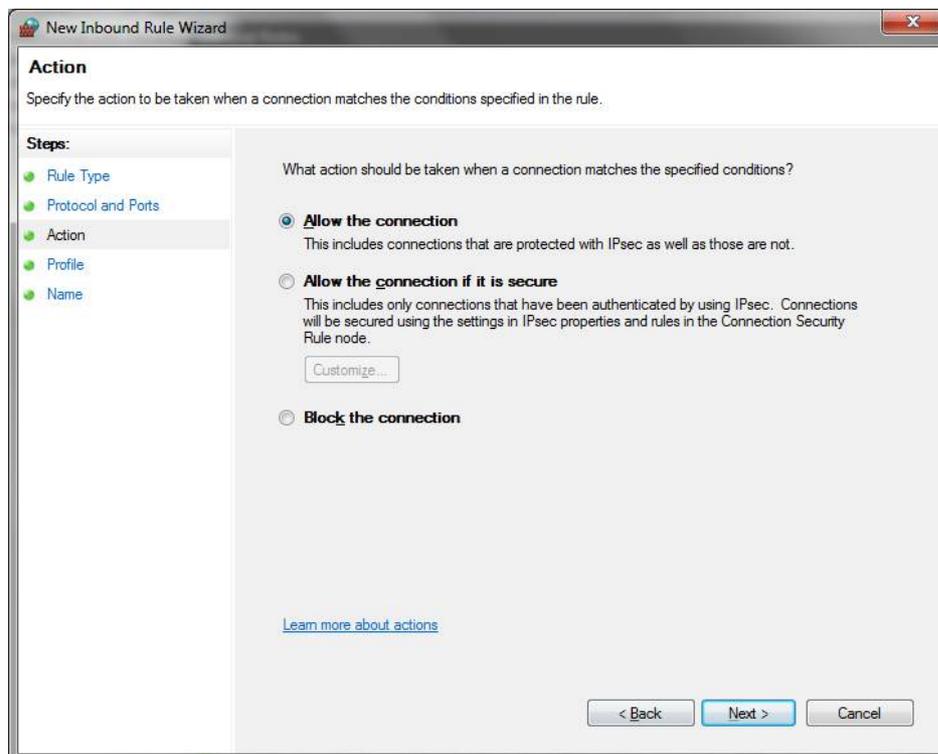
- Right click → **New Rule** → Select **Port** → Click **Next**



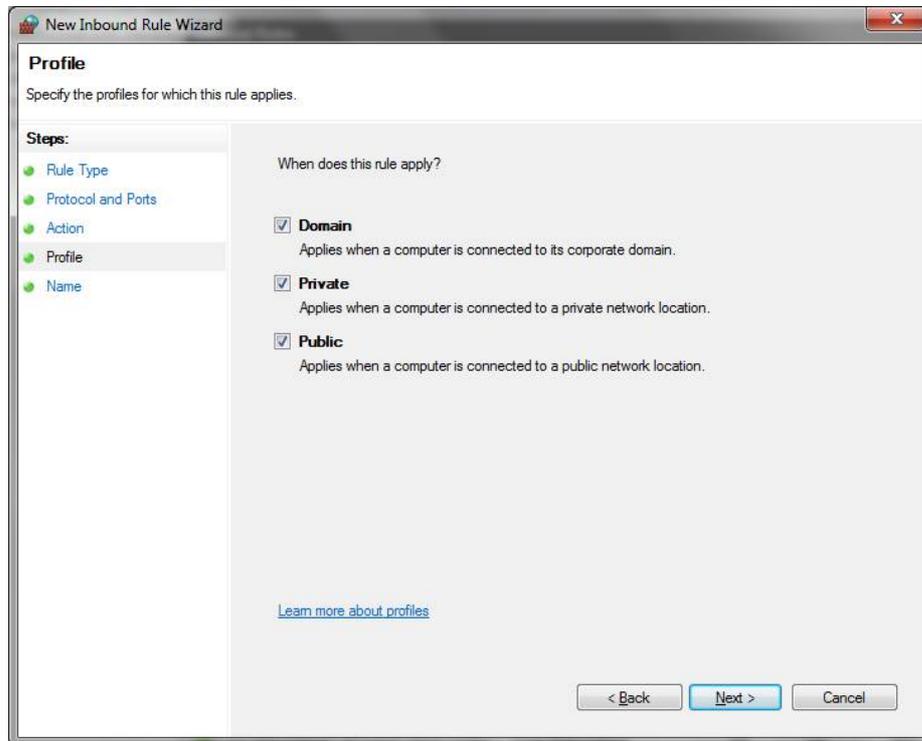
- Choose **TCP** → Choose **Specific Local Ports:** and type **9191** → click **Next**



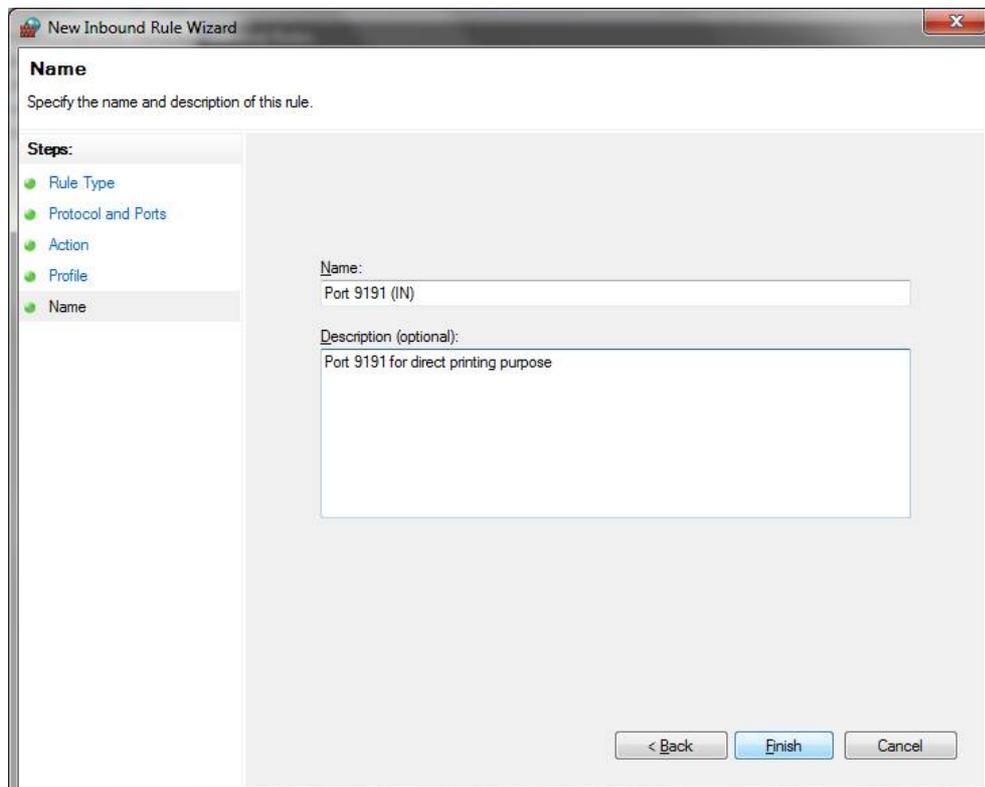
- Choose **Allow the Connection** → Click **Next**



- Select all (**Domain, Private & Public**) → Click **Next**

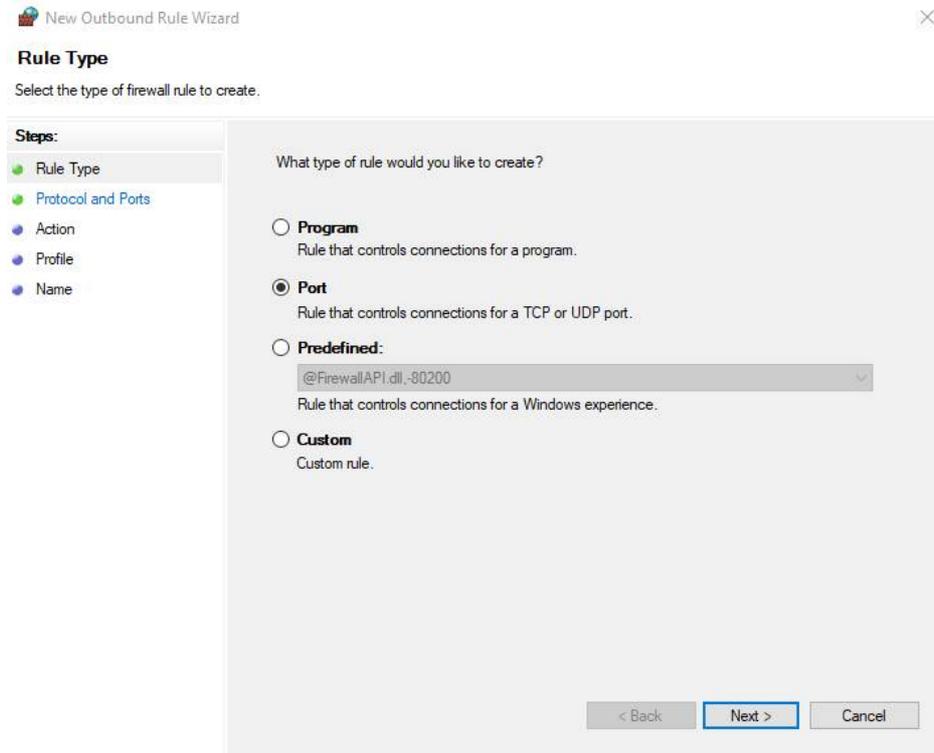


- Name: **Port 9191 (IN)** → Description: **Port 9191 for direct printing purpose** → Click **Finish**

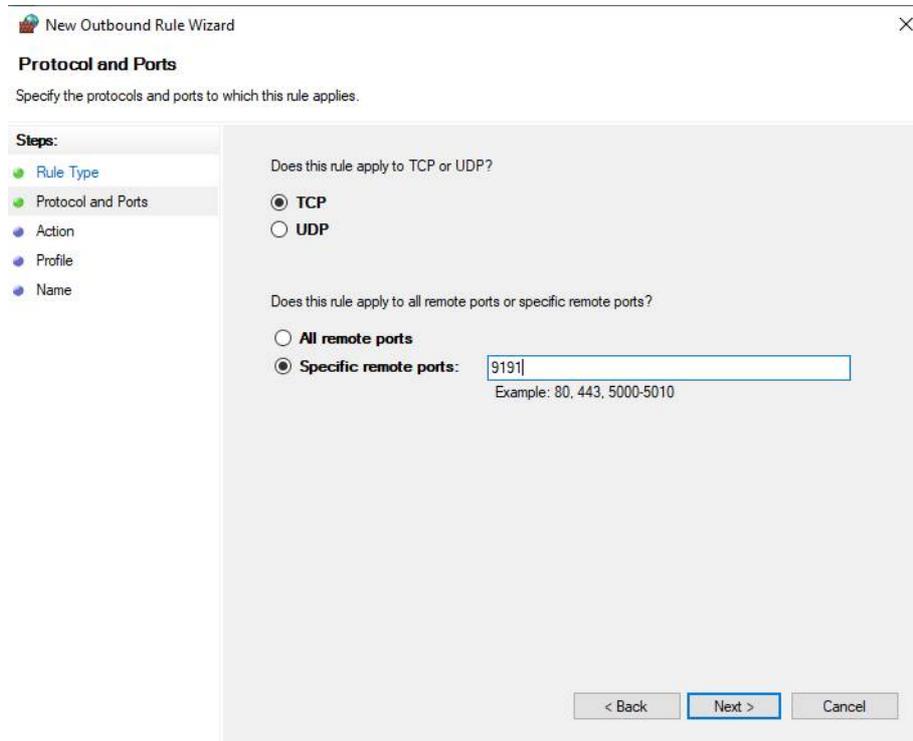


ii. Outbound Rules

- Right click → **New Rule** → Select **Port** → Click **Next**

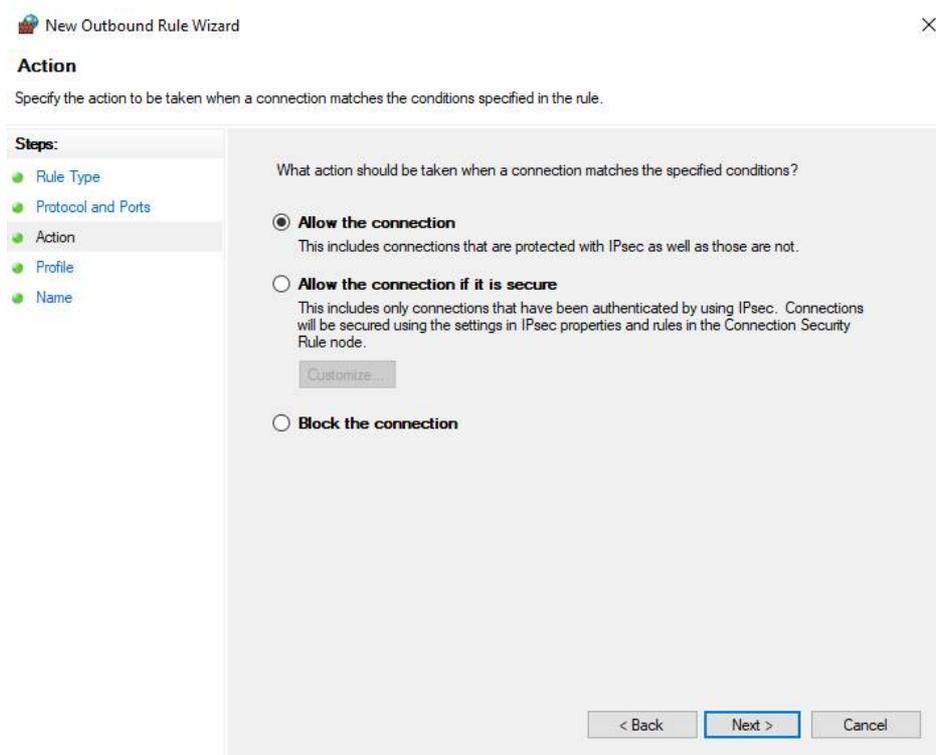


- Choose **TCP** → Choose **Specific Remote Ports:** and type **9191** → Click **Next**



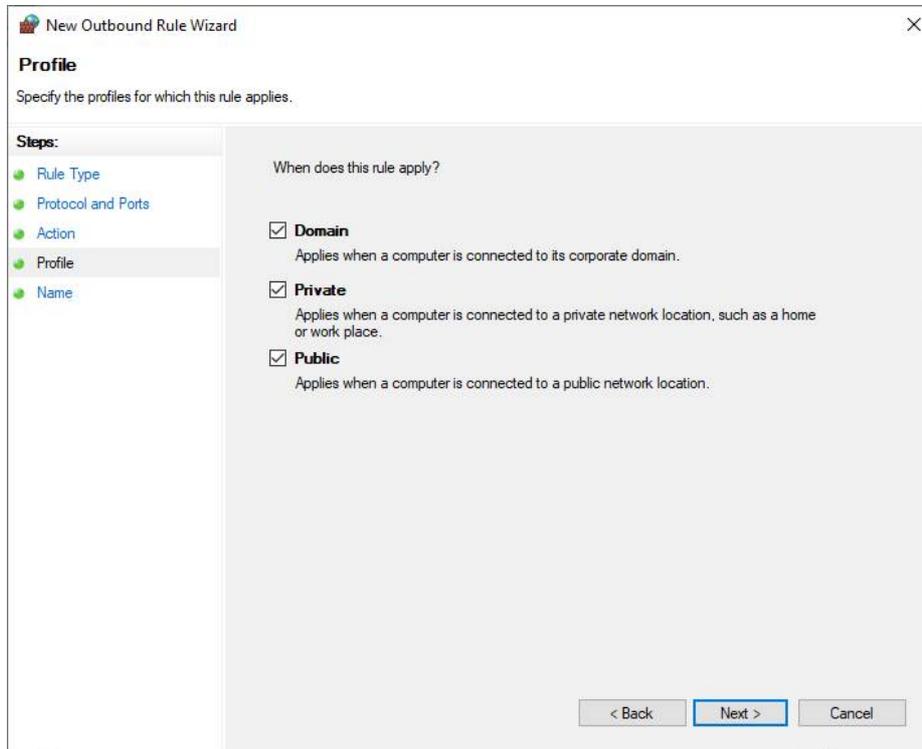
The screenshot shows the 'New Outbound Rule Wizard' window at the 'Protocol and Ports' step. The title bar reads 'New Outbound Rule Wizard'. The main heading is 'Protocol and Ports' with the instruction 'Specify the protocols and ports to which this rule applies.' On the left, a 'Steps:' sidebar lists 'Rule Type', 'Protocol and Ports', 'Action', 'Profile', and 'Name'. The main area contains two questions: 'Does this rule apply to TCP or UDP?' with radio buttons for 'TCP' (selected) and 'UDP'; and 'Does this rule apply to all remote ports or specific remote ports?' with radio buttons for 'All remote ports' and 'Specific remote ports:' (selected). A text box next to 'Specific remote ports:' contains '9191' and has an example below it: 'Example: 80, 443, 5000-5010'. At the bottom are buttons for '< Back', 'Next >', and 'Cancel'.

- Choose **Allow the Connection** → Click **Next**



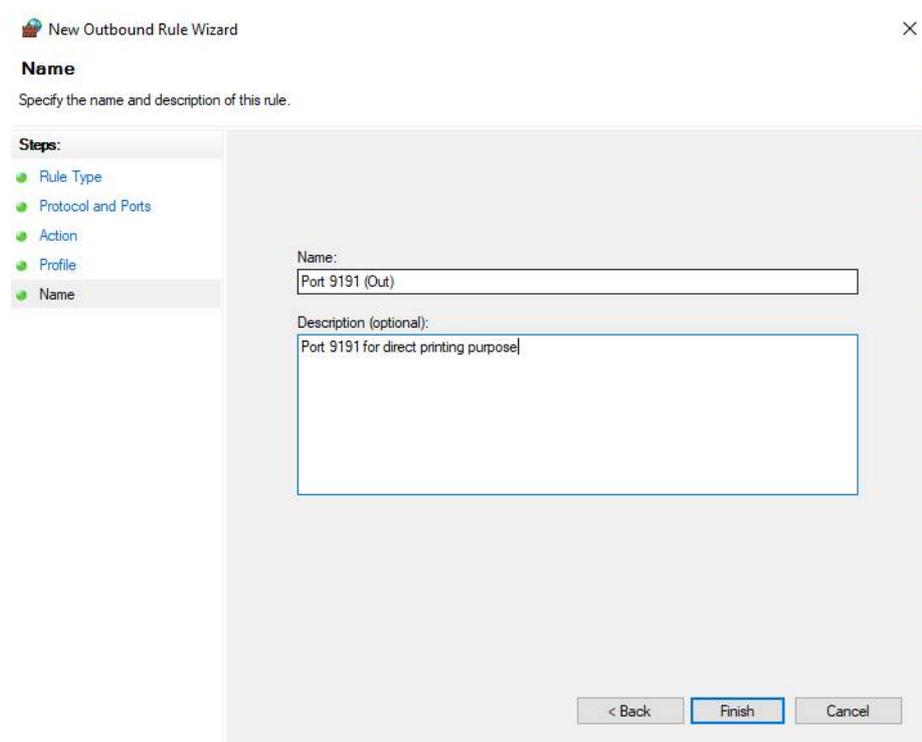
The screenshot shows the 'New Outbound Rule Wizard' window at the 'Action' step. The title bar reads 'New Outbound Rule Wizard'. The main heading is 'Action' with the instruction 'Specify the action to be taken when a connection matches the conditions specified in the rule.' On the left, a 'Steps:' sidebar lists 'Rule Type', 'Protocol and Ports', 'Action', 'Profile', and 'Name'. The main area contains the question 'What action should be taken when a connection matches the specified conditions?' with three radio button options: 'Allow the connection' (selected), 'Allow the connection if it is secure', and 'Block the connection'. The 'Allow the connection' option has a sub-description: 'This includes connections that are protected with IPsec as well as those are not.' The 'Allow the connection if it is secure' option has a sub-description: 'This includes only connections that have been authenticated by using IPsec. Connections will be secured using the settings in IPsec properties and rules in the Connection Security Rule node.' Below this is a 'Customize...' button. At the bottom are buttons for '< Back', 'Next >', and 'Cancel'.

- Select all (**Domain, Private & Public**) → Click **Next**



The screenshot shows the 'New Outbound Rule Wizard' window at the 'Profile' step. The title bar reads 'New Outbound Rule Wizard'. Below the title bar, the word 'Profile' is displayed in bold, followed by the instruction 'Specify the profiles for which this rule applies.' On the left side, there is a 'Steps:' list with five items: 'Rule Type', 'Protocol and Ports', 'Action', 'Profile', and 'Name'. The 'Profile' step is currently selected and highlighted. The main area of the wizard is titled 'When does this rule apply?' and contains three checked checkboxes: 'Domain' (with the description 'Applies when a computer is connected to its corporate domain.'), 'Private' (with the description 'Applies when a computer is connected to a private network location, such as a home or work place.'), and 'Public' (with the description 'Applies when a computer is connected to a public network location.'). At the bottom right, there are three buttons: '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a blue border.

- Name: **Port 9191 (Out)** → Description: **Port 9191 for direct printing purpose** → Click **Finish**

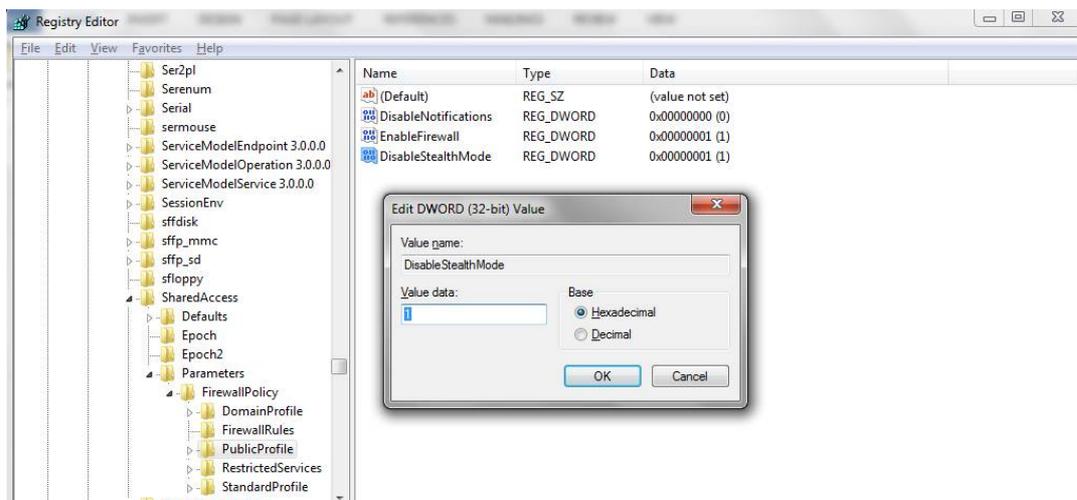


The screenshot shows the 'New Outbound Rule Wizard' window at the 'Name' step. The title bar reads 'New Outbound Rule Wizard'. Below the title bar, the word 'Name' is displayed in bold, followed by the instruction 'Specify the name and description of this rule.' On the left side, there is a 'Steps:' list with five items: 'Rule Type', 'Protocol and Ports', 'Action', 'Profile', and 'Name'. The 'Name' step is currently selected and highlighted. The main area of the wizard contains two text input fields. The first is labeled 'Name:' and contains the text 'Port 9191 (Out)'. The second is labeled 'Description (optional):' and contains the text 'Port 9191 for direct printing purpose'. At the bottom right, there are three buttons: '< Back', 'Finish', and 'Cancel'. The 'Finish' button is highlighted with a blue border.

3. Setup Stealth Mode

- a. Open Registry Editor → lookup for =
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\services\SharedAccess\Parameters\FirewallPolicy
 - i. Domain Profile
= Right click → New → DWORD (32-bit) Value → Name:
DisableStealthMode → Right Click → Modify → Value Data=1
→ Ok
 - ii. Public Profile
= Right click → New → DWORD (32-bit) Value → Name:
DisableStealthMode → Right Click → Modify → Value Data=1
→ Ok
 - iii. Standard Profile
= Right click → New → DWORD (32-bit) Value → Name:
DisableStealthMode → Right Click → Modify → Value Data=1
→ Ok

(Example Picture as Below)



4. Restart PC and please test direct print

MyCard Reader (Sagem) Setting

Step 1 : Remove PhISClientService

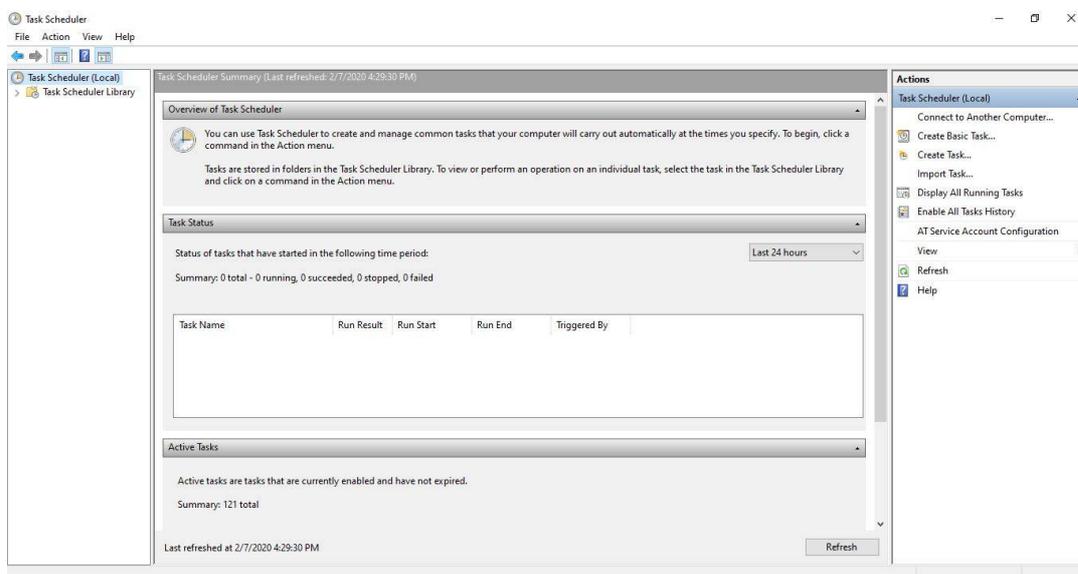
Open **cmd** as Administrator and execute below command.

sc delete PhISClientService

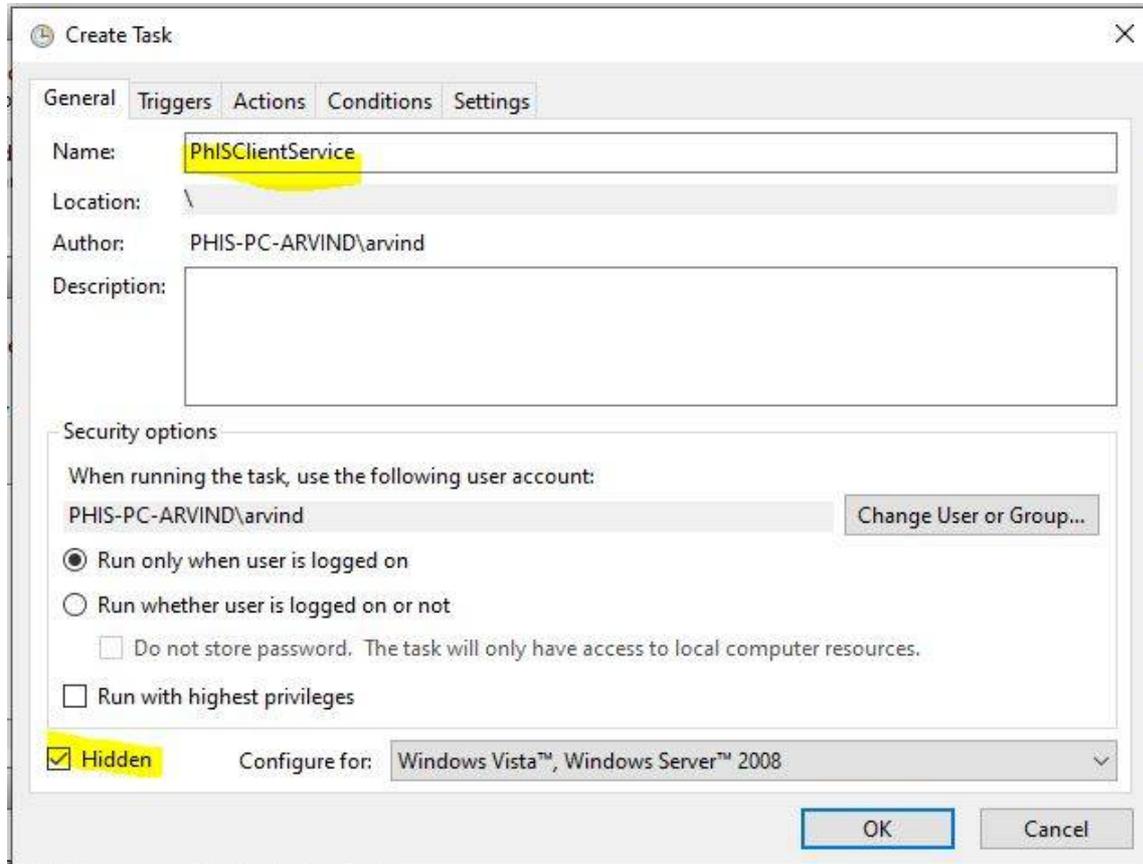
Steps 2: Create Task scheduler

Open Task Scheduler below screen will open.

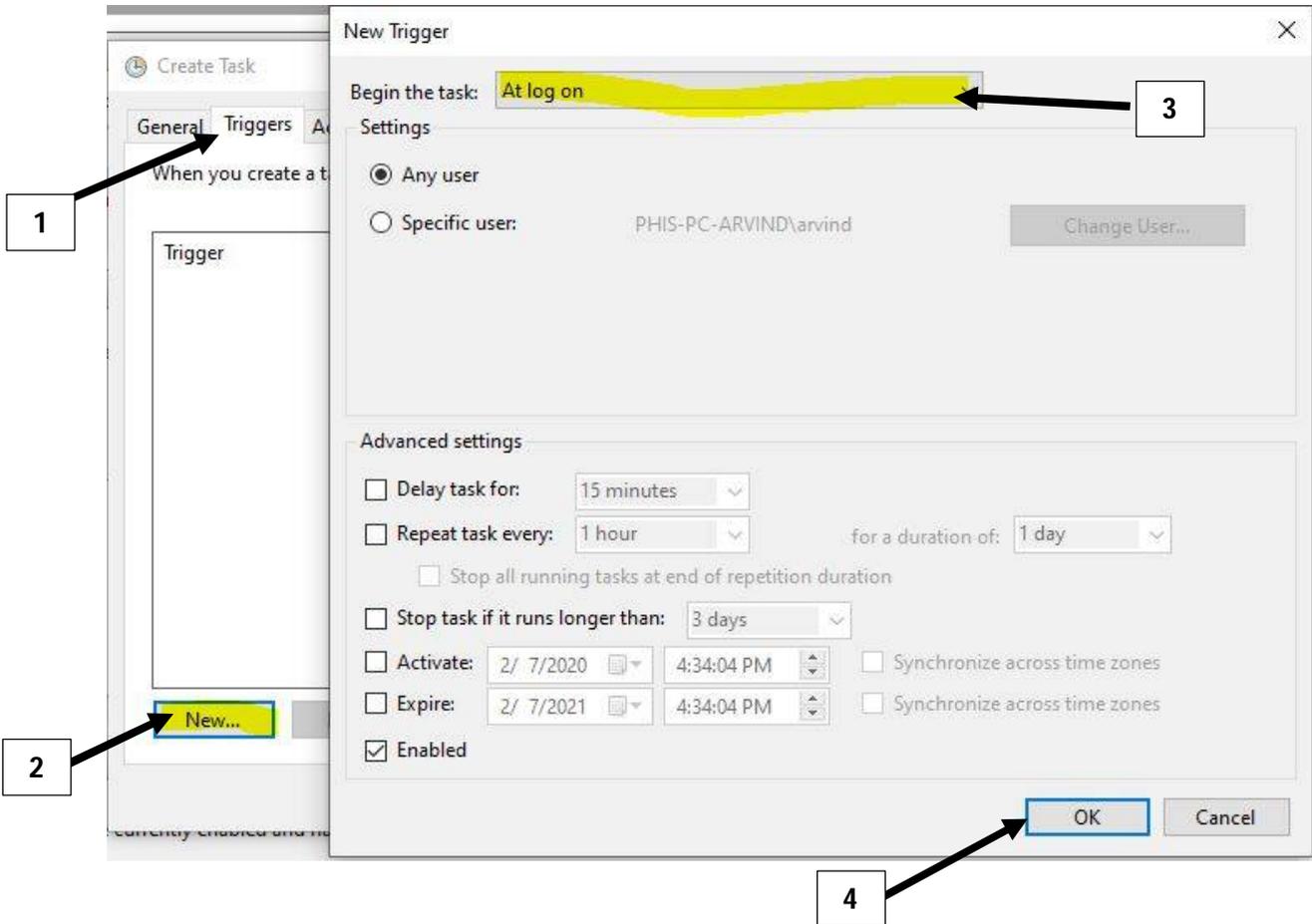
Click on **Create Task** from right menu bar.



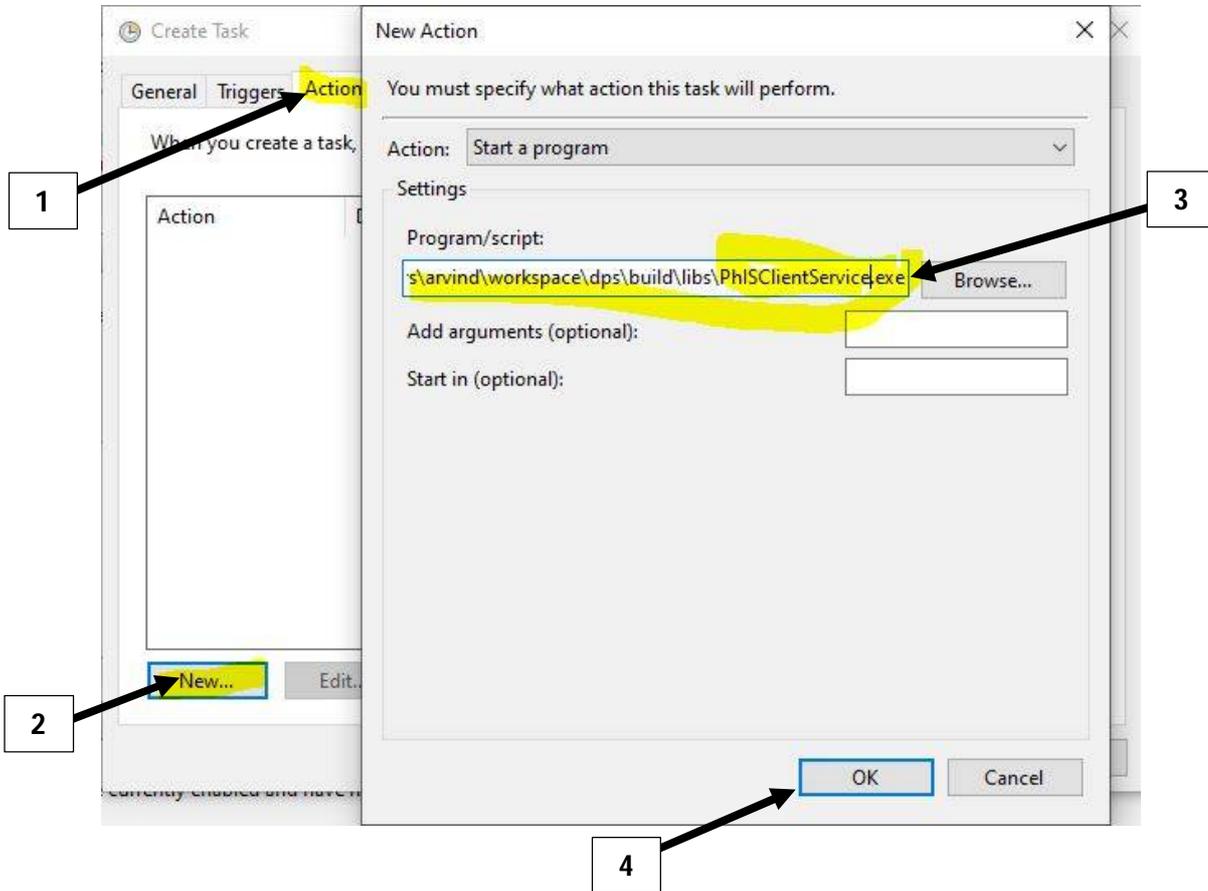
Step 3: In General tab, give name for scheduler as **PHISClientService** and select **Hidden** checkbox as highlighted below:



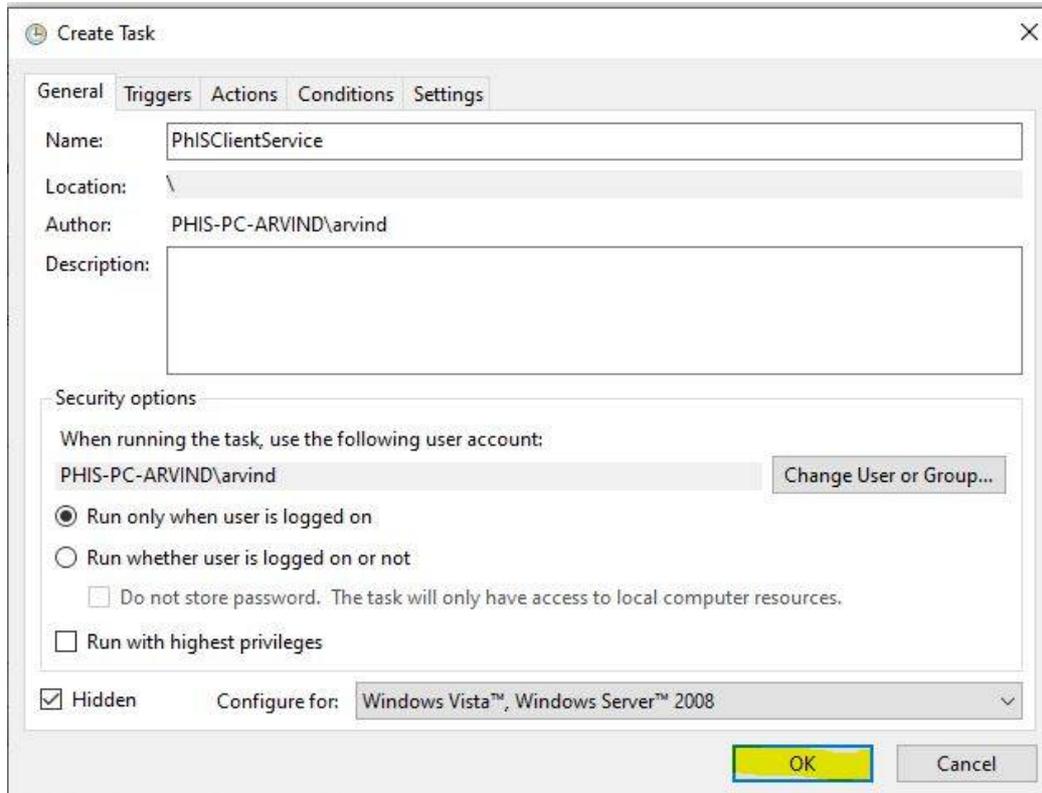
Step 4: Go to **Triggers** tab, and click on **New**, select **At log on** as highlight in below screen, followed by **OK** button.



Step 5: Go to **Action** tab, click on **New**, browse or copy the full file path for **PhISClientService.exe**, followed by **OK** button.



Step 6: Go to **General** tab again, and click **OK** button.



Create Task

General Triggers Actions Conditions Settings

Name: PhISClientService

Location: \

Author: PHIS-PC-ARVIND\arvind

Description:

Security options

When running the task, use the following user account:
PHIS-PC-ARVIND\arvind Change User or Group...

Run only when user is logged on

Run whether user is logged on or not

Do not store password. The task will only have access to local computer resources.

Run with highest privileges

Hidden Configure for: Windows Vista™, Windows Server™ 2008

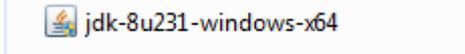
OK Cancel

Step 7 : Restart PC.

After restart, Task Scheduler will start the Services, and should not be closed.

PHIS Client Service Installation (Post Version Update)

Installation:

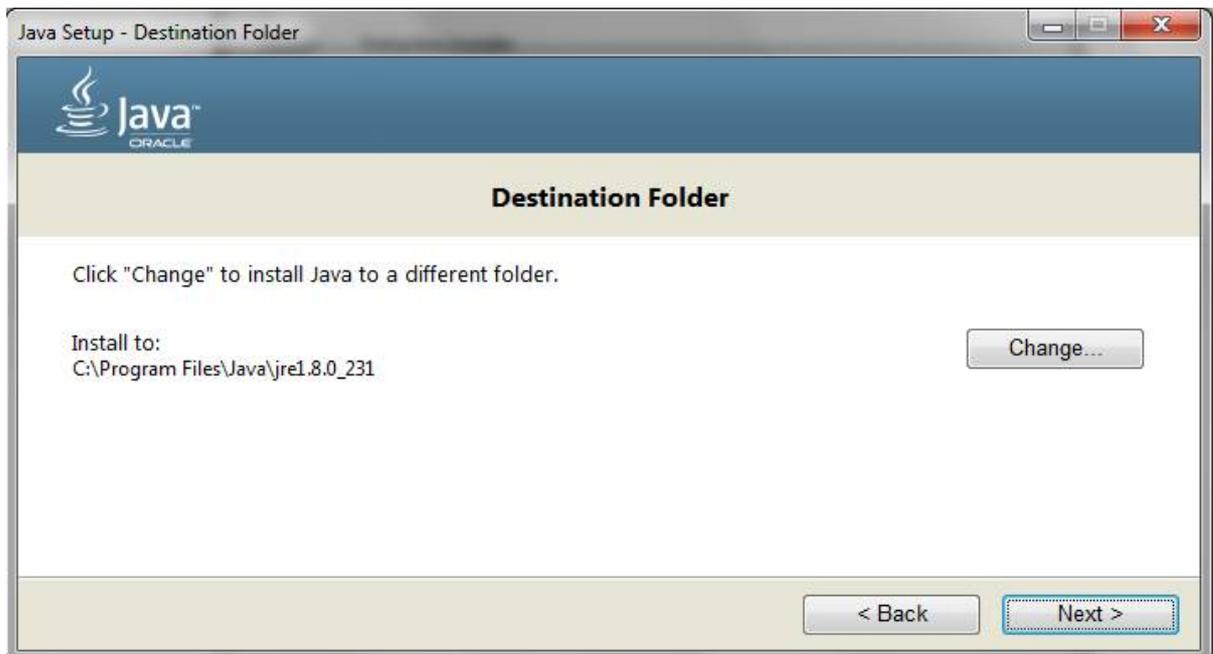
- **Install JDK 8**
 1. Double click on downloaded **JDK** installer as shown below.

 2. Click on **Next** to proceed with JDK Installation



3. Click on **Next** button to proceed with JDK Installation

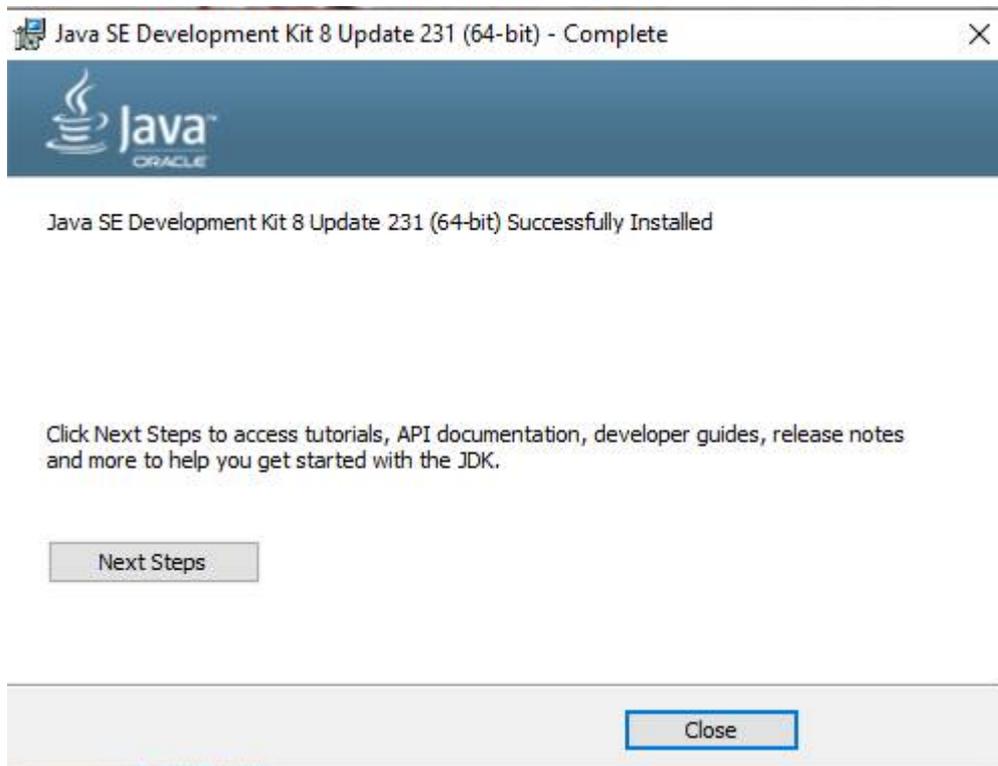


4. Click on **Next** to install JDK in the default folder



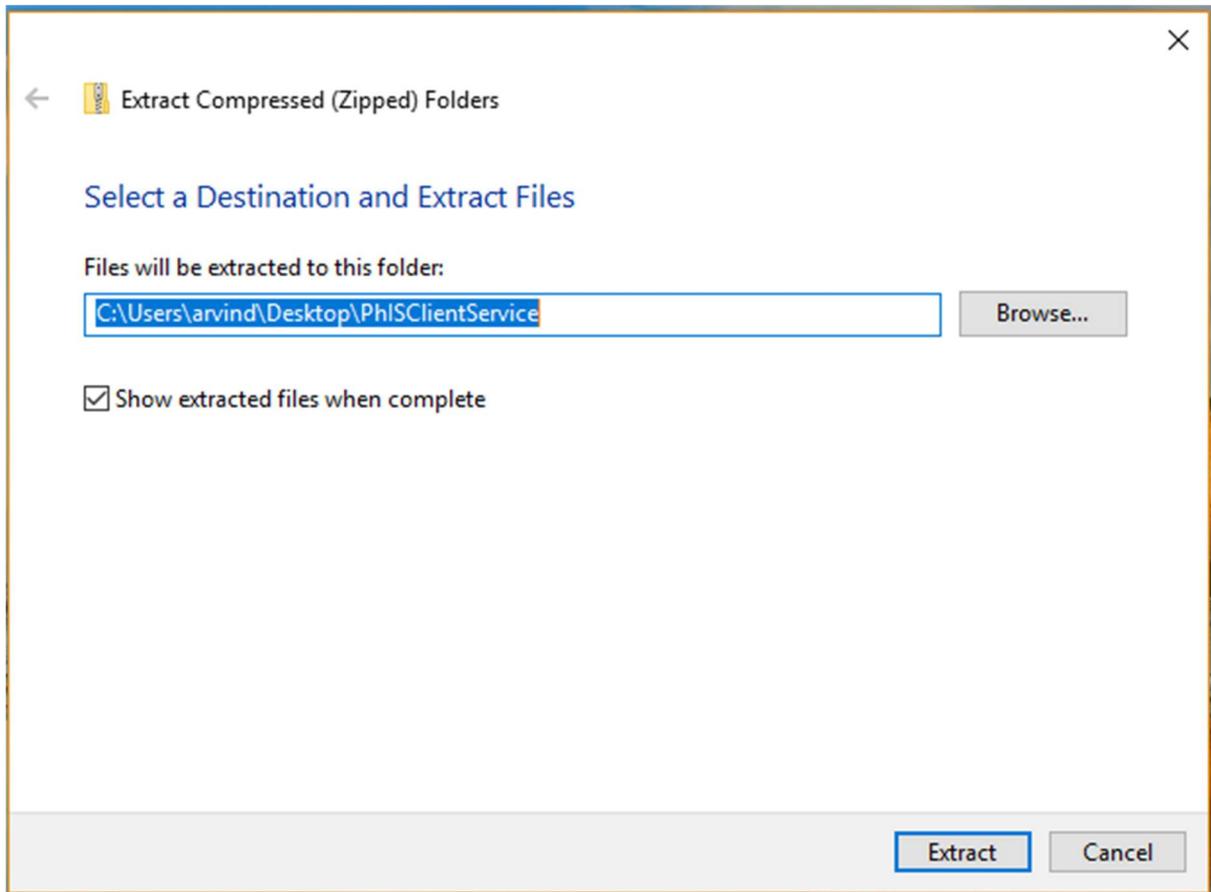


5. Click **Close** to complete the setup



- **Installing PhIS Client Service:**

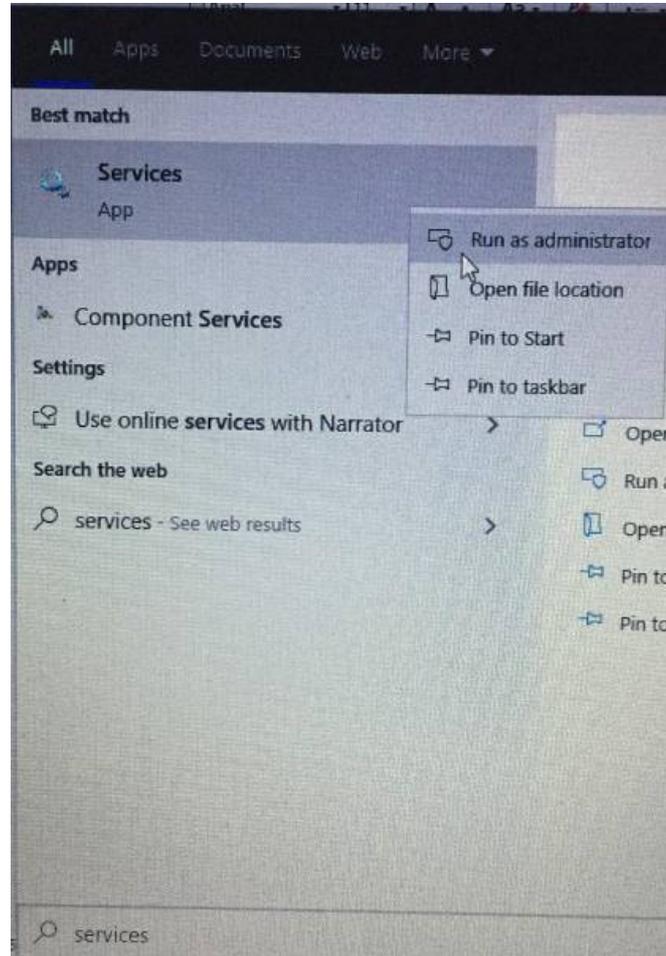
1. Unzip the PhISClientService.zip by right click and extract all followed by click on **Extract** button as shown in the below image.



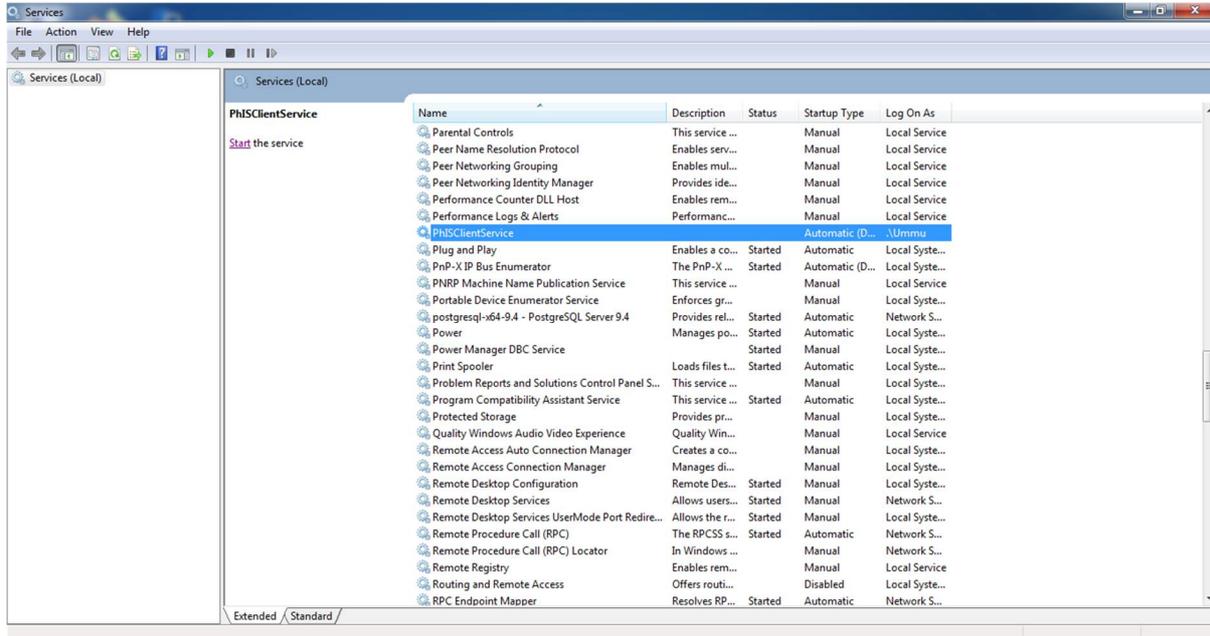
2. After extracting completed at your current folder location, open PhISClientService folder and right-click on Register.bat file and right click on **Run as Administrator**.



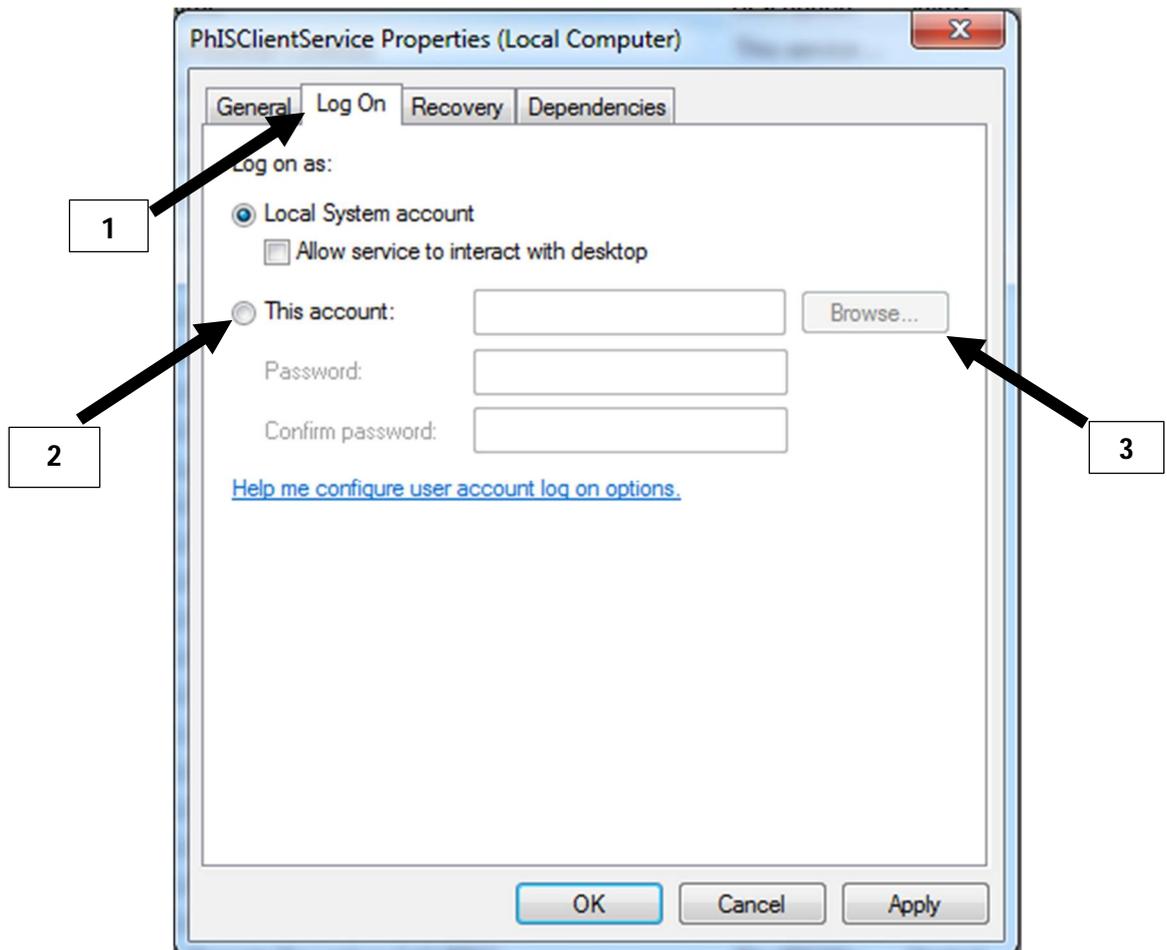
3. Next step is to allow service to run for a user. From windows search options, search for **Services** and open **Services (Run as administrator)**



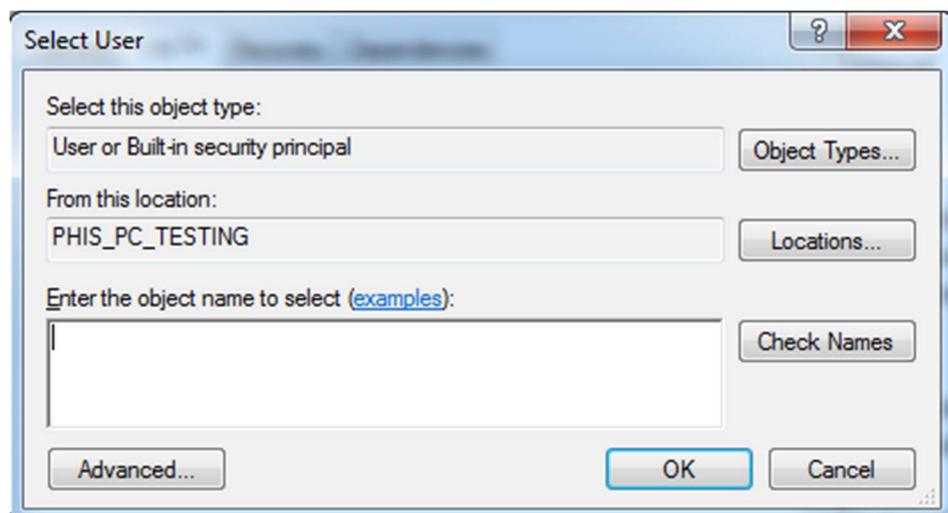
4. On below screen, look for **PhISClientService** under **Name** tab, as in the image it is highlighted in the blue color, and double click on the **PhISClientService**.



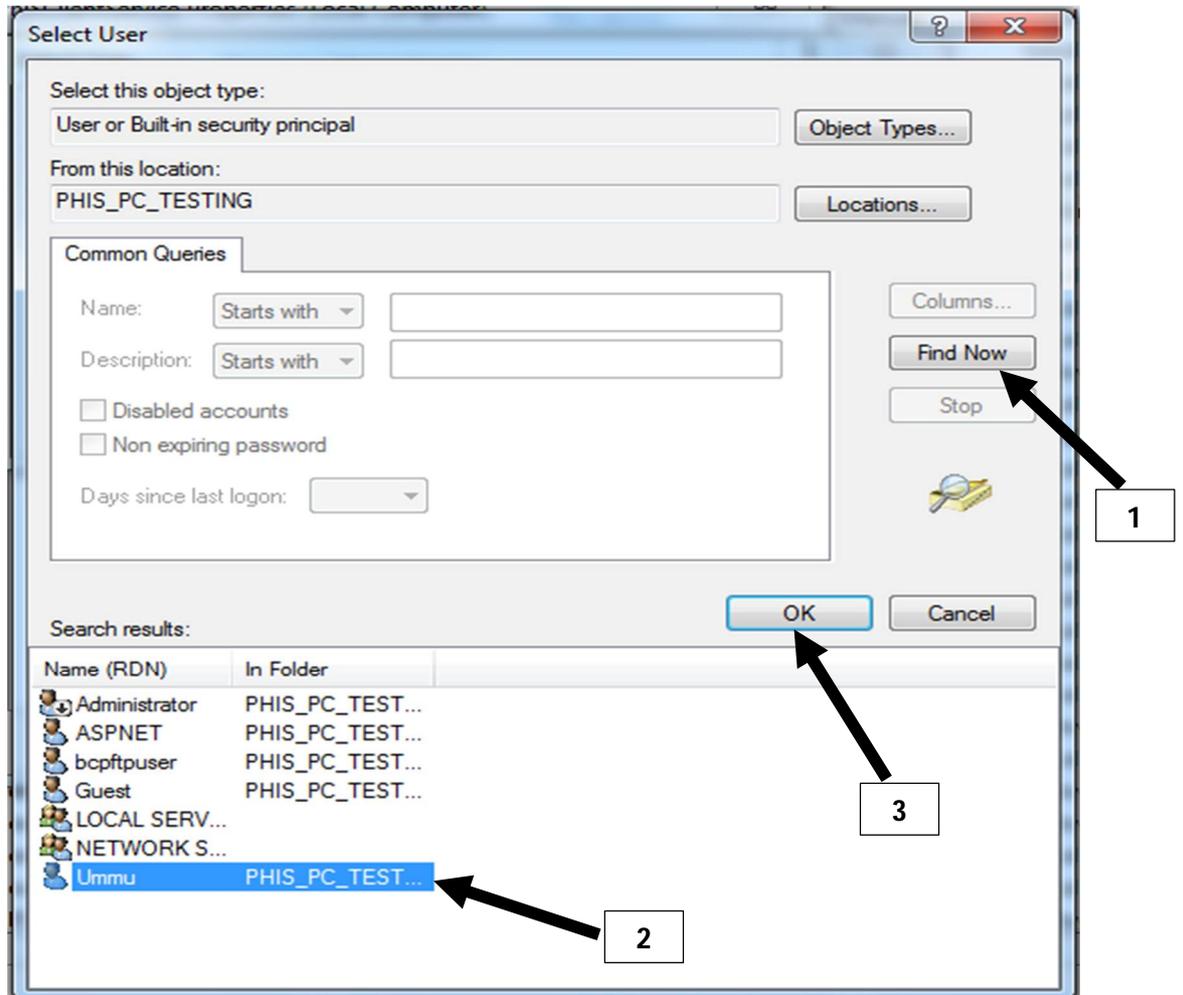
5. On the below image, click on the **Log On** tab and then choose **This account** button and then click on the **Browse** button.



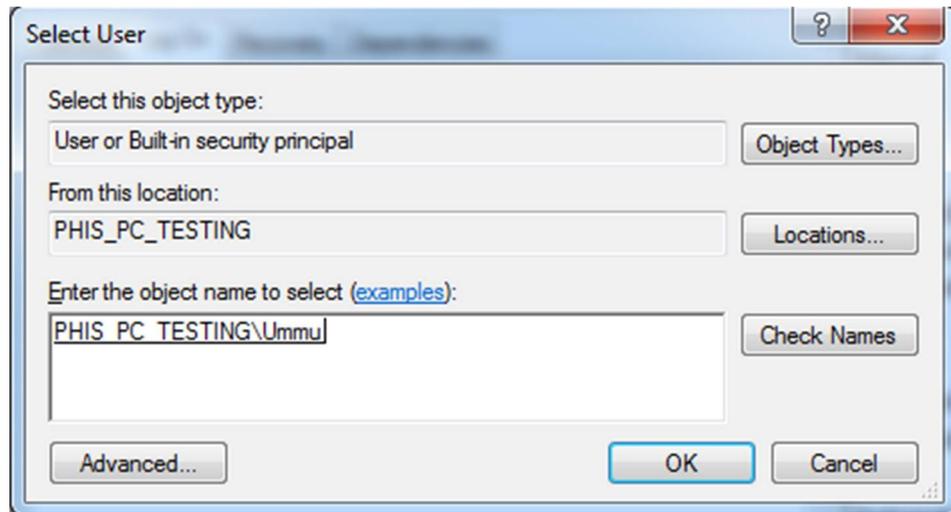
6. After opening below screen, click on **Advanced** button.



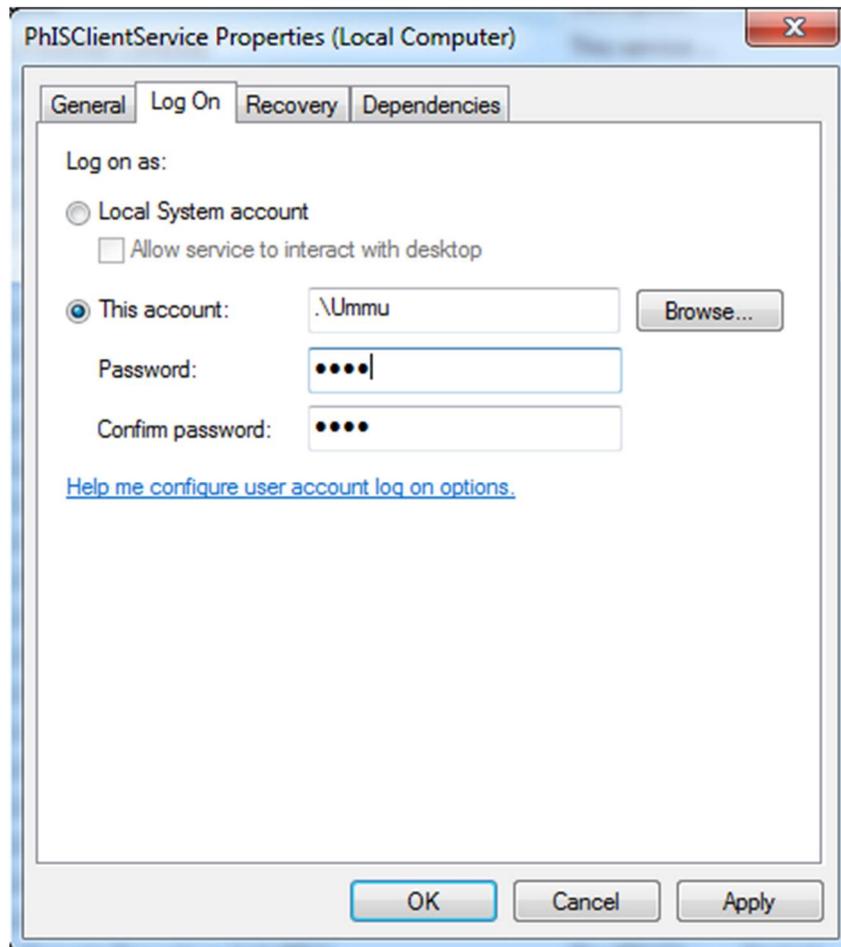
7. In the below screen, click on the **Find Now** button, all the users on the computer will display, please select the user name who is going to use IPHIS. After selecting user, click **OK**, it will close the screen.



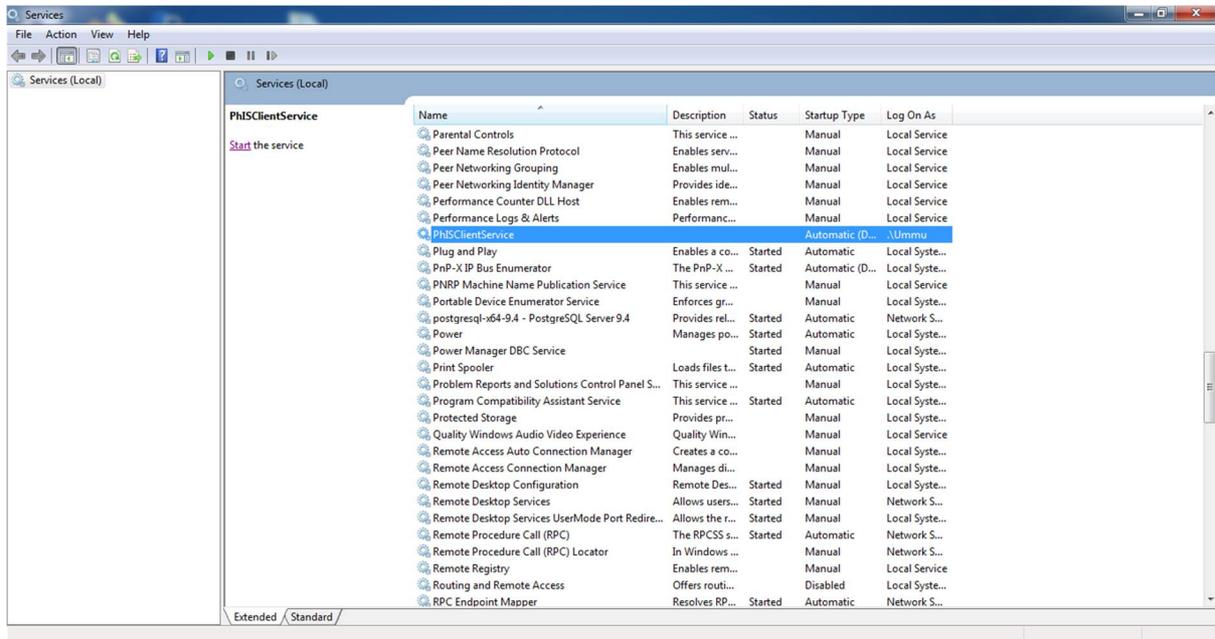
8. In the below screen, click **OK** button.



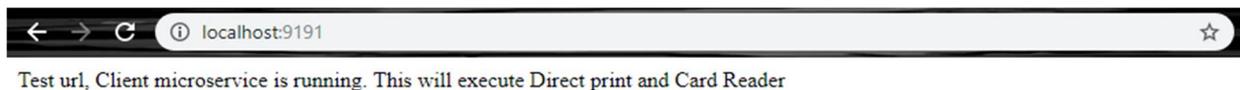
9. On the below screen, click on **Apply**, and then **OK** which will close this screen.



10. In the below screen, make sure the selected service name is **PhISClientService** and then click on the **Start** button which is located on the left of selected services.



11. To verify service running or not, please visit <http://localhost:9191>



12. After this Direct print to default configured printer and MyKad Reader can be used in any of the browsers.