

IntelliSpace PACS Anywhere 1 Delivery Notes

R1.4

LOT 1.4.53.0

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1 Introduction

This document contains the following information:

NOTICE

The Delivery Notes/Customer Release Notes contains only the overview of the new features. For more details on the feature(s), please refer the Instructions for Use available for IntelliSpace PACS Anywhere. The chapter [“Available Product Documentation” on page 17](#) lists the documents available for the product.

- [“Overview” on page 7](#)
- [“Product Specifications” on page 9](#)
- [“Supported Languages” on page 11](#)
- [“Network Deployment” on page 13](#)
- [“Related IntelliSpace PACS Settings” on page 15](#)
- [“Available Product Documentation” on page 17](#)
- [“New Features in IntelliSpace PACS Anywhere” on page 19](#)
-
- [“Resolved Issues” on page 39](#)
- [“Open Issues” on page 41](#)
- [“Usage Notes” on page 43](#)
- [“Known Limitations” on page 45](#)
- [“IntelliSpace PACS Anywhere EMR Integration with SUBI” on page 47](#)

Overview

IntelliSpace PACS Anywhere is a zero footprint application that provides access to patient information and images from IntelliSpace PACS (release 4.4.540.0 and higher) on multiple platforms (desktops, laptops, and mobile devices) running multiple operating systems and Web browsers. See [“Product Specifications” on page 9](#). No installation is required other than the supported HTML 5 compliant browsers and platforms. It allows users to:

- Search for, discover, and display patient images, relevant exam information, prior exams, and diagnostic reports
- Access the Canvas Page via the EMR with one authentication (via login to the EMR) for quick and easy access to exam images and reports

- Utilize Philips patented iSyntax compression for fast, high quality performance when accessing patient information and navigating through studies. Customer IT managers and administrators can offer enterprise access to a large number of concurrent mobile users without needing complex hardware.
- Facilitate communication and collaboration between Radiologists and clinicians via email messages with embedded exam and report links
- Manage Critical Findings through integration with the IntelliSpace PACS Workflow Layer
- Integrate an audit trail with IntelliSpace PACS
- Open IntelliSpace VL Capture to import images and videos

IntelliSpace PACS Anywhere 1.4 includes online help that describes the product features and workflow.

For HIPAA compliance, the client retains private patient and exam information only while logged in with appropriate permissions. No private patient and exam information is retained beyond the current session unless specifically turned on for debug logging by Philips Technical Support.

2 Product Specifications

The following browsers and operating systems are supported in this release of IntelliSpace PACS Anywhere.

	Desktop PC	Apple Macintosh OS X	iOS Devices	Other Mobile Devices
Minimum Browsers	Chrome v37 and above	Safari V7 and above	Safari iOS7 and above	Chrome 37 and above
	Internet Explorer 10 and above			Internet Explorer 10 and above
	Firefox v33 and above			
Minimum Resolution	1024x768	1024x768	1024x768	
Memory	2 GB Minimum	2 GB Minimum	1 GB Minimum	1 GB Minimum
	4 GB Recommended	4 GB Recommended	2 GB Recommended	2 GB Recommended

3 Supported Languages

The following languages are supported in IntelliSpace PACS Anywhere:

- English
- French

4 Network Deployment

Customers deploying IntelliSpace PACS Anywhere are required to create a secure channel between the supported mobile device and the IntelliSpace PACS server. Communication to the server must use the https protocol. Display on WiFi and 3G/4G networks is supported, but the display speed depends on the network bandwidth.

Please refer the "**IntelliSpace PACS Anywhere 1.4 Configuration Guide**" for more information.

5 Related IntelliSpace PACS Settings

IntelliSpace PACS Anywhere uses certain preferences, permissions, and rights from IntelliSpace PACS and IntelliSpace PACS Workflow Layer.

Preferences

IntelliSpace PACS Anywhere uses Preference settings from IntelliSpace PACS Enterprise and IntelliSpace PACS Radiology where applicable, including the following System preferences:

- DICOM Sources Series Splitting, Sorting and Window/Center
- Window Width/Center

Permissions and Rights

The **Login: IntelliSpace PACS Anywhere** right must be granted by the PACS Administrator in the IntelliSpace PACS AdminTool to log on and use IntelliSpace PACS Anywhere.

Also, users need the following tasks from IntelliSpace PACS and IntelliSpace PACS Workflow Layer to use IntelliSpace PACS Anywhere:

- Query: Query for all Patients and Exams
- Query: Query for Patients by MRN
- Query: Query for Exams
- Query: Query for Exceptions
- Images: View Images
- Images: View Only Images With Reports
- Organization: View Organizations
- View Reports: View Exam Reports
- IntelliSpace PACS Workflow Layer Communication Management
- IntelliSpace PACS Workflow Layer Critical Findings Management

6 Available Product Documentation

Accessing the instructions for use from the desktop

The instructions for use can be accessed from the desktop:



Click the **Help button** to open the IntelliSpace PACS Anywhere Instructions for Use

Accessing the instructions for use from the internet

www.philips.com/IFU

The instructions for use can also be accessed from the internet:

- 1. Go to the following website: www.philips.com/IFU
- 2. Follow the instructions on the website and select your preferred language.

The PDF file is downloaded from the website and saved to your computer. You can open the file using a PDF reader application. If you do not have a PDF reader application installed, you can download Adobe Reader from the following website: www.get.adobe.com/reader.

Obtaining the instructions for use in paper form

If there is a need to have the instructions for use in paper form, the PDF version of the instructions for use in the required language can be printed locally by using the print button in the viewer application.

The table below lists the product documentation that is provided as part of the IntelliSpacePACS Anywhere 1.4 release.

Document ID	Title	Purpose	Where Located
4522 170 58271 (this document)	IntelliSpace PACS Anywhere 1.4 Delivery Notes	This document contains release specific information about IntelliSpace PACS Anywhere including known issues. This document is part of the IntelliSpace PACS Anywhere Instructions for Use.	InCenter (printable PDF)

Document ID	Title	Purpose	Where Located
4522 170 58301	IntelliSpace PACS Anywhere 1.4 Instructions for Use	This document contains instructions and information for using the various features and functionality of IntelliSpace PACS Anywhere. This document is part of the IntelliSpace PACS Anywhere Instructions for Use.	InCenter (printable PDF)
4522 170 57301	IntelliSpace Universal Data Manager 3.1 User Guide for Technical Support	This document contains instructions and information for using the various features and functionality of the IntelliSpace PACS AdminTool. This document is part of the IntelliSpace PACS Instructions for Use.	InCenter (printable PDF) IntelliSpace PACS software (printable PDF)
4522 170 55771	IntelliSpace Radiology 4.7 Enterprise SUBI Integration Guide	This document provides information on deploying and configuring the Standard URL Based Integration (SUBI) application on IntelliSpace PACS systems, and describes the supported and required parameters as well as some configuration options available to customers who choose to deploy SUBI.	InCenter (printable PDF)

7 New Features in IntelliSpace PACS Anywhere

New Features in IntelliSpace PACS Anywhere 1.4.53.0

No new features in this release other than defect fixes.

New Features in IntelliSpace PACS Anywhere 1.4.50.0

No new features in this release other than defect fixes.

New Features in IntelliSpace PACS Anywhere 1.4.1.3

No new features in this release other than defect fixes.

New Features in IntelliSpace PACS Anywhere 1.4.1.2

No new features in this release other than defect fixes.

New Features in IntelliSpace PACS Anywhere 1.4.1.1

No new features in this release other than defect fixes.

New Features in IntelliSpace PACS Anywhere 1.4.1.0

No new features in this release other than defect fixes.

New Features in IntelliSpace PACS Anywhere 1.4.0.0

Working in the Layout Modes

The following layouts can be used to view images in the Canvas page:

- Single Layout- See [“Single Layout” on page 20](#) for more information.
- Double Vertical Layout- See [“Double Layouts” on page 21](#) for more information.
- Double Horizontal Layout- See [“Double Layouts” on page 21](#) for more information.
- Four Layouts- See [“Four Layout” on page 25](#) for more information.

Single Layout

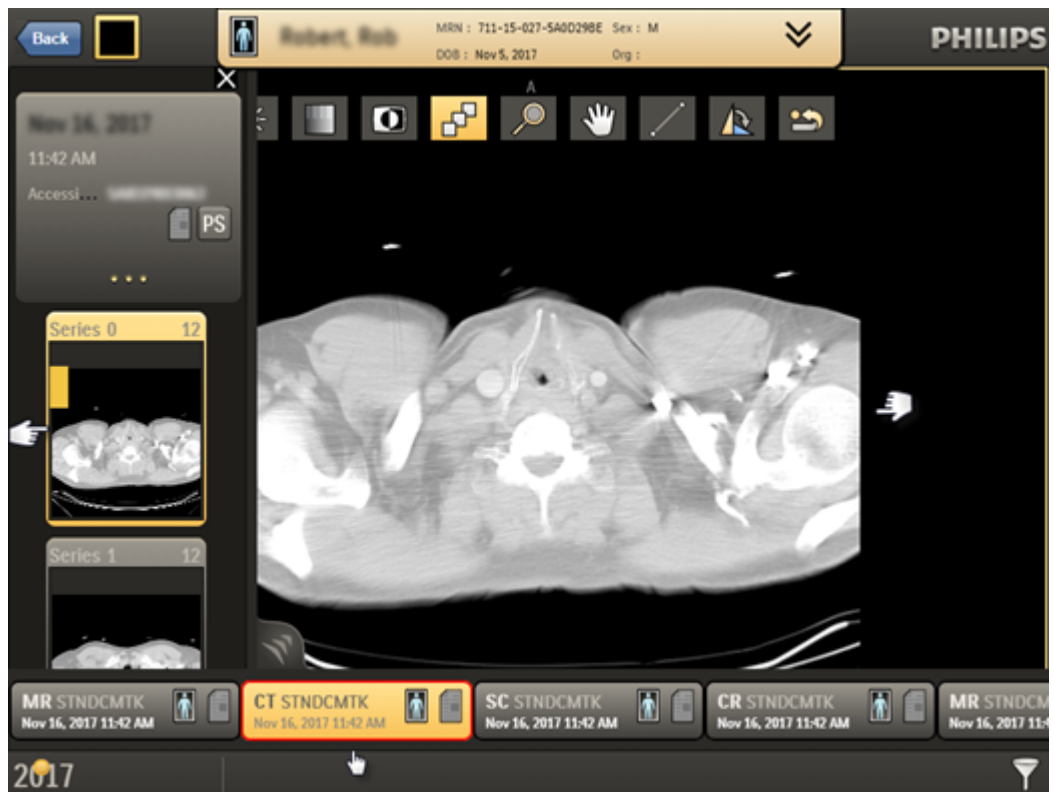
This section will help you to understand the viewing options in the Single Layout.

1. Select a study and open it in the Canvas page.

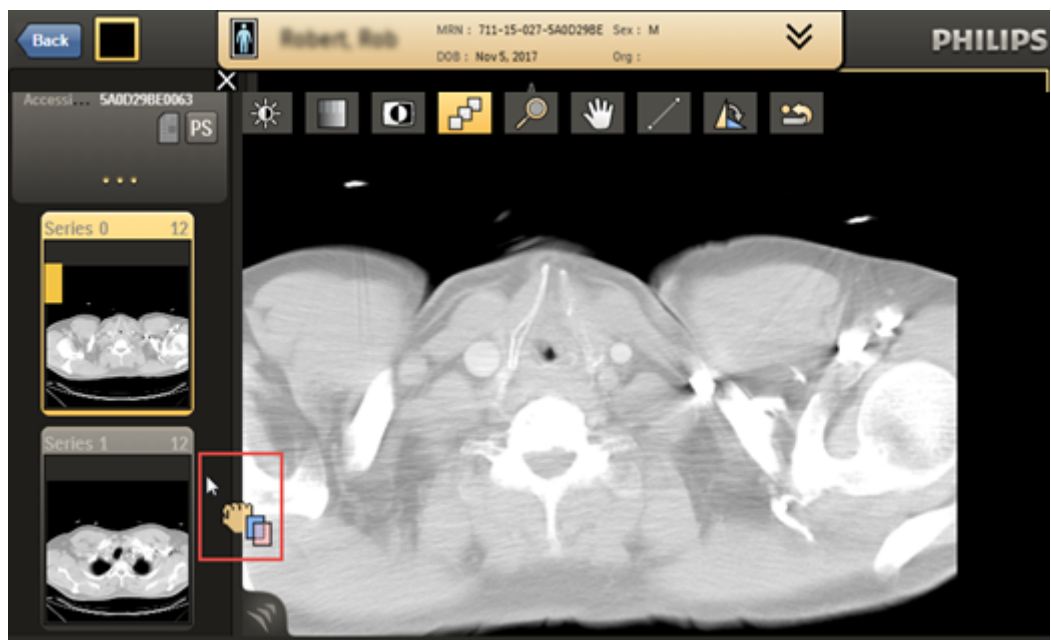
The selected study opens in the Canvas page in **Single Layout**  mode by default.

The selected study will appear on the time line and it will be highlighted and will have a colored outline by default.

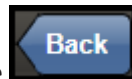
The **Series 0** of the study will be also highlighted in the **Thumbnail Strip** and the image series will be displayed on the Canvas page.

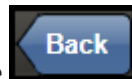


2. Click on another thumbnail of the series to be viewed in the Canvas page.
Alternately, you can drag the image from the thumbnail to the Canvas page.



3. Double click on the Canvas page or roll the mouse wheel when on the selected image to hide the thumbnail strip and the image header to view the image in full screen.
4. Double click again to see the image header.




5. Click the  button to see the thumbnail strip again.

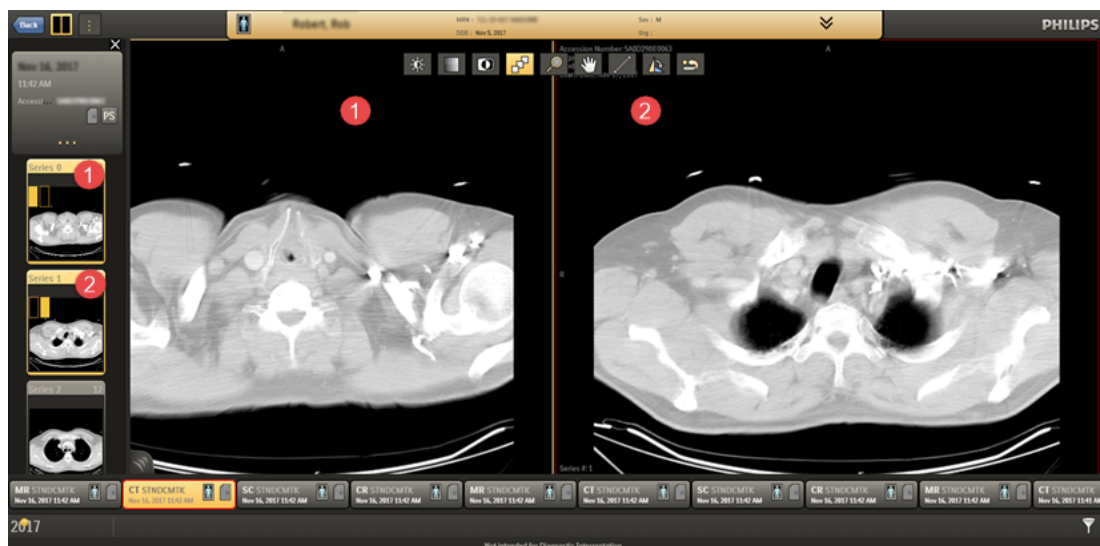
Double Layouts

This section will help you to understand the viewing options in the Double Layouts.

Double Vertical Layout



1. Click the layout button and select the **Double Vertical Layout**  button.
The Canvas page will be split into two layouts.
2. By default, **Series 0** and **Series 1** will be displayed in the **quadrant 1** and **quadrant 2** respectively.

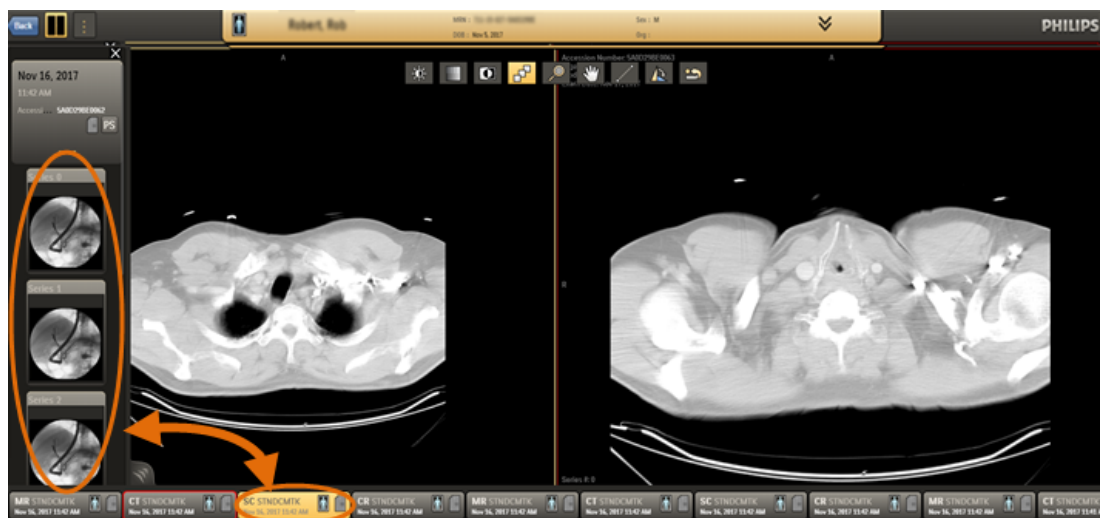


The selected study in the timeline will be highlighted and outlined with a color.

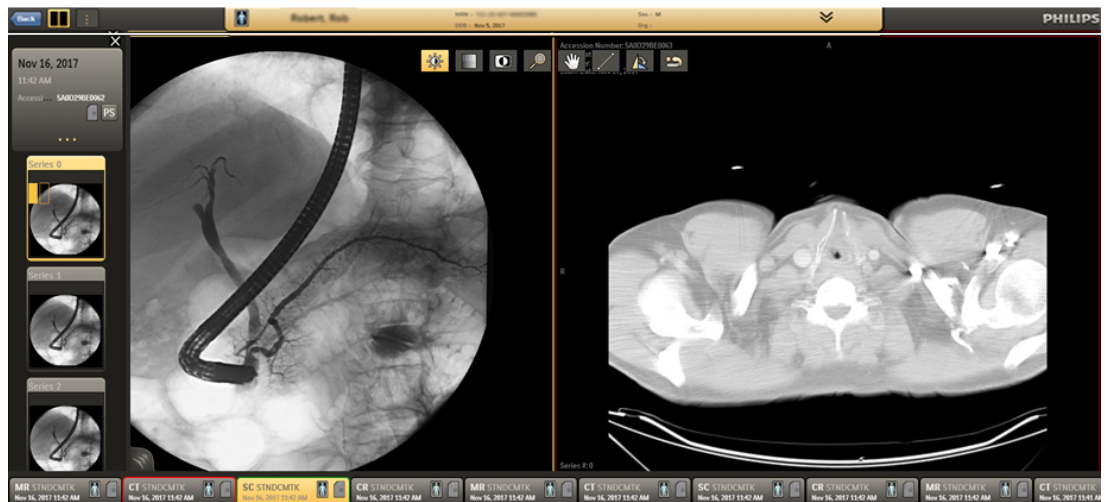


3. The highlight signifies that the study is selected. The color is given to the study to differentiate it from another study.
4. On the Canvas page, the series that is selected will always have a yellow outline and the series that is not selected will have the assigned color.
5. Click on the next study.

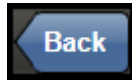
The selected study will now be highlighted, and the corresponding series will be displayed on the thumbnail strip.

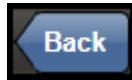


6. Select a series from the thumbnail to be viewed in the Canvas page.
The existing series in the layout that was selected will be replaced with the currently selected series.



7. The selected exam in the timeline will be given another color.
8. Double click on the Canvas page or roll the mouse wheel when on the selected image to hide the thumbnail strip and the image header to view the image in full screen.
9. Double click on the Canvas page again to see the image header.



10. Click the  button to see the thumbnail strip again.



11. Click the dotted  button beside the Layout button.

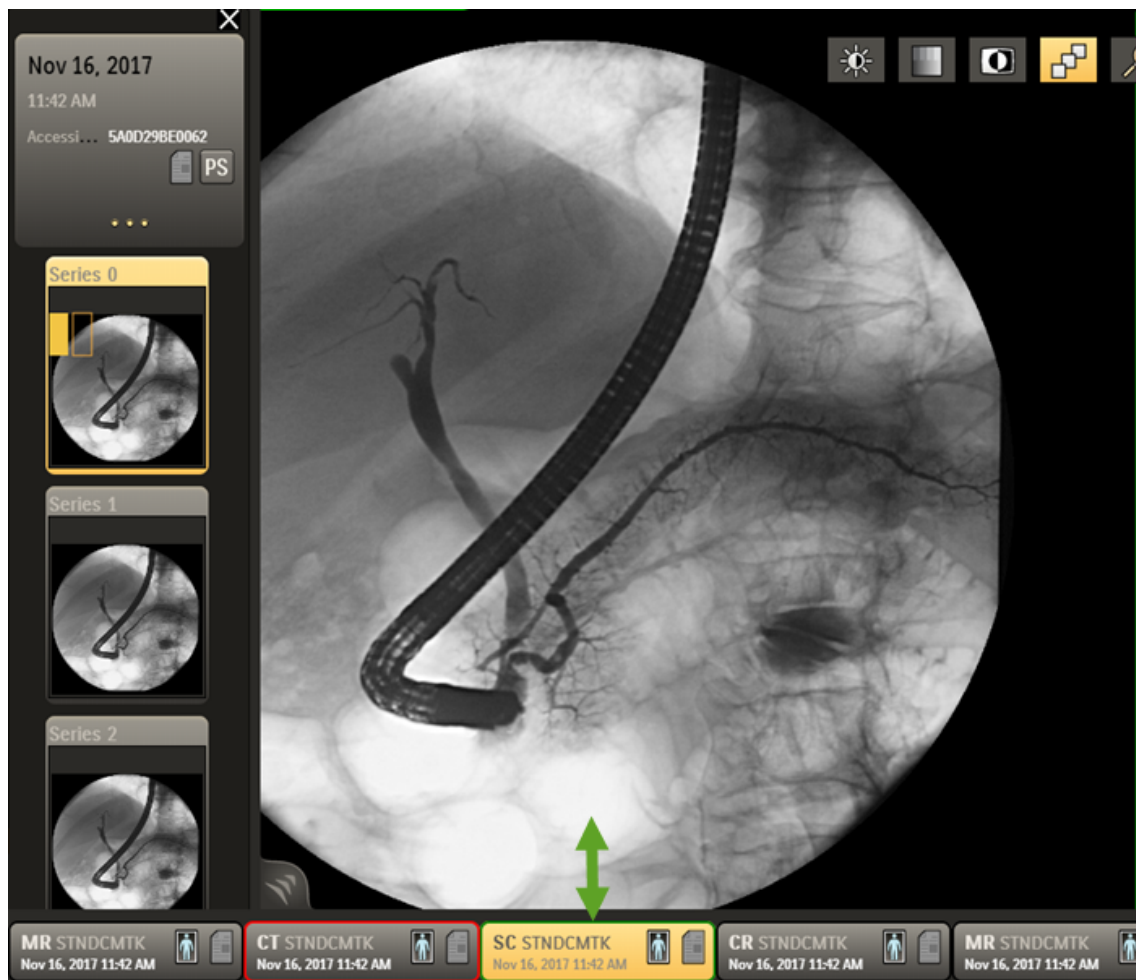


The **Linking**  and **Scout Line**  buttons are displayed.

12. Click the **Linking** button to link all the images displayed in the layout.
13. Click the **Scout Lines** button to automatically display the scout lines on single image or a stack series. Scout lines are displayed only on cross sectional image series like CT, MR, PET, PET/CT and PET/MR.

NOTICE


In the Canvas page the selected series will always have a yellow outline to represent that it has been selected. To identify the study to which the series belongs to, just unselect the series (select another series in the adjacent layout) and the color of the outline will be visible.



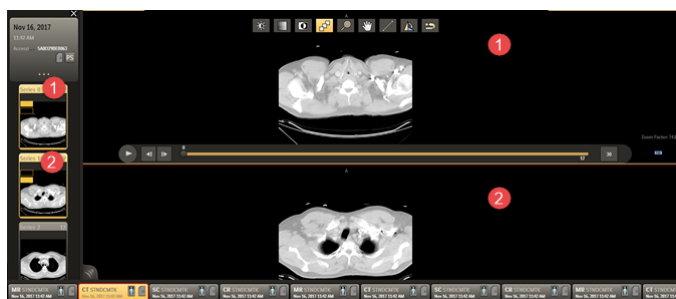
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Double Horizontal Layout

The Double Horizontal Layout displays the images in the layout horizontally.

1. Click the layout button and select the **Double Horizontal Layout**  button.
The Canvas page will be split into two layouts horizontally.
2. By default, **Series 0** and **Series 1** will be displayed in the **quadrant 1** and **quadrant 2** respectively.


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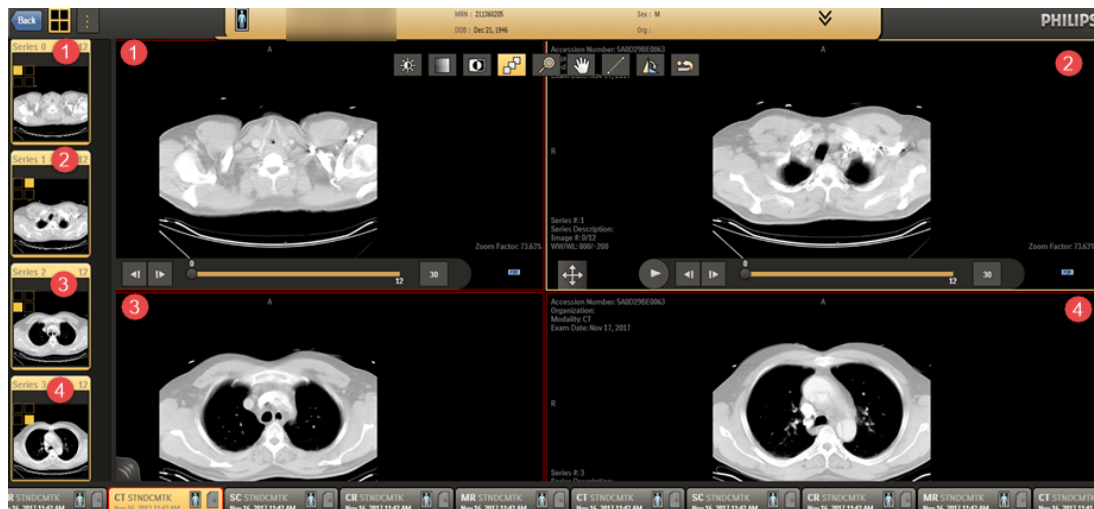


Follow the steps in the "**Double Vertical Layout**" section above to use this layout.

Four Layout

This section will help you to understand the viewing options in Four Layouts.

1. Click the layout button and select the **Four Layout**  mode.
The Canvas page will be split into Four Layouts.
2. By default, **Series 0**, **Series 1**, **Series 2**, **Series 3** and **Series 4** will be displayed in the **quadrant 1**, **quadrant 2**, **quadrant 3** and **quadrant 4** respectively.



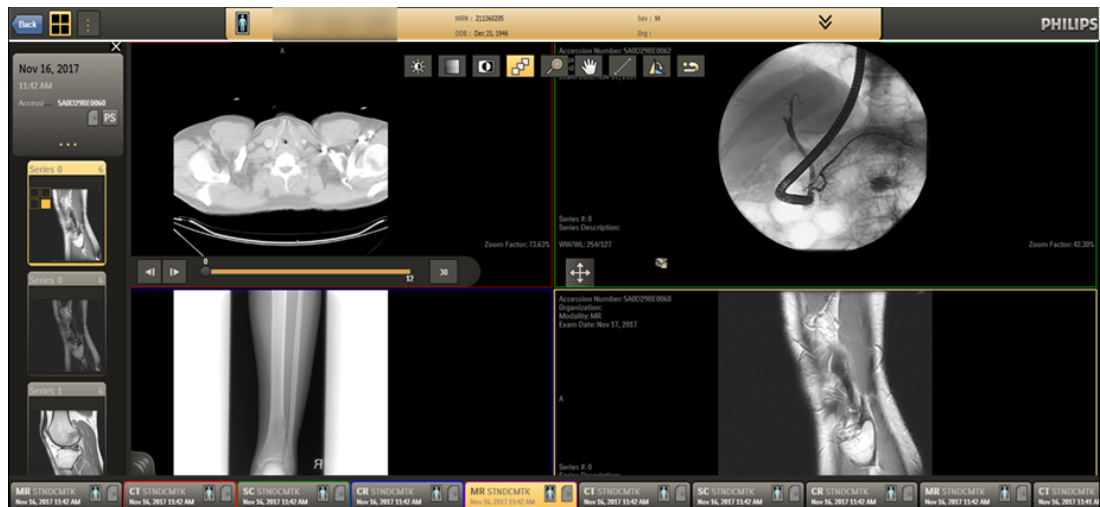
The selected study in the timeline will be highlighted and outlined with a color.



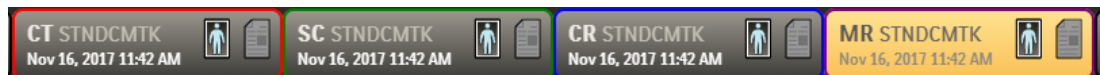
3. The highlight signifies that the study is selected. The color is given to the study to differentiate it from another study.
4. On the Canvas page, the series that is selected will always have a yellow outline and the series that is not selected will have the assigned color.
5. Click on the next study.


The selected study will now be highlighted, and the corresponding series will be displayed on the thumbnail strip.

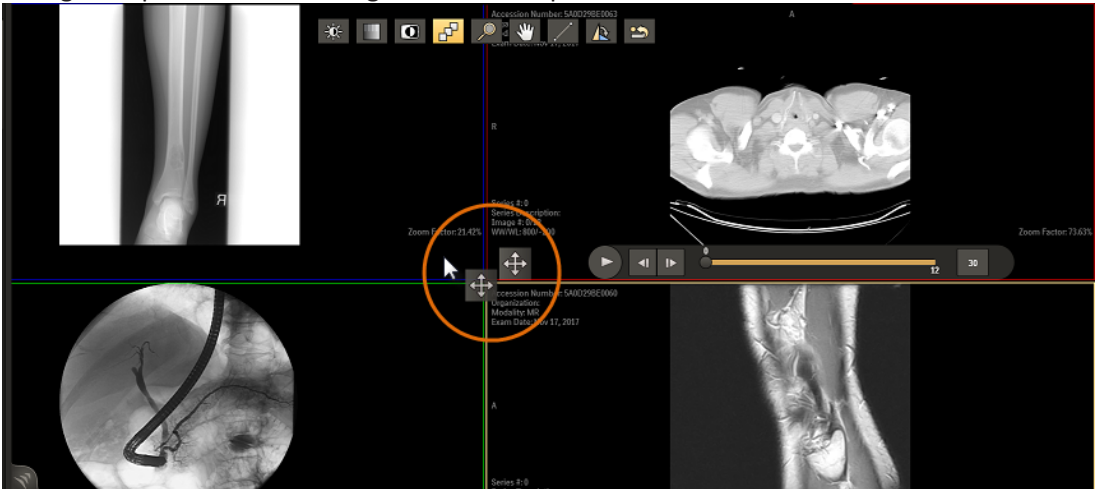
6. Select a series from the thumbnail to be viewed in the Canvas page.
The existing series in the layout that was selected will be replaced with the currently selected series.
7. The selected exam in the timeline will be given another color.
8. Repeat steps "5" to "7" above to select another two different studies and open one series of the two studies to be viewed in the layout.
9. The Canvas page will have four series of four different studies.




The four studies will have four different colors. Also the series displayed in the Canvas page will have the respective colors.



10. Click the Image Swapping  button and drag the button to another quadrant to change the position of the images within the quadrants.



11. Double click on the Canvas page or roll the mouse wheel when on the selected image to hide the thumbnail strip and the image header to view the image in full screen.
12. Double click on the Canvas page again to see the image header.

13. Click the  to see the thumbnail strip again.


14. Click the dotted  button beside the Layout button.

The **Linking**  and **Scout Lines**  buttons are displayed.

15. Click the Linking button to view the linked images.
16. Click the Scout Lines button to automatically display the scout lines on single images or a stack series. Scout lines are displayed only on cross sectional image series like CT, MR, PET, PET/CT and PET/MR.



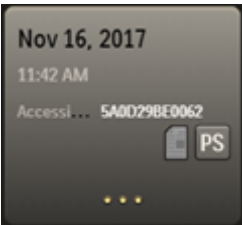


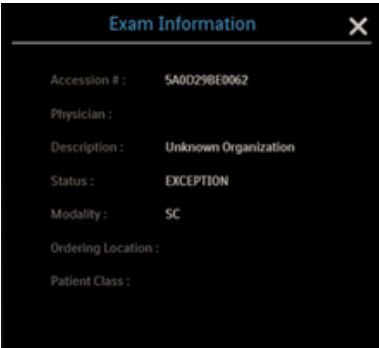

User Interface Enhancements

The following new icons are used in IntelliSpace PACS Anywhere:

Icon	Description
	Frame of Reference (FOR)- Images with same frame of reference will have this icon in their layouts.

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Philips

Icon	Description
For information purposes only and not intended for diagnostic use	<p>This message is displayed in all the screens of the application.</p> <p>NOTE: The Show warning when viewing exam menu is removed from the Settings screen.</p>
	<p>Click this button to close the shelf and exam timeline. NOTE: This button is only displayed on the devices.</p>
	<p>Click this button to view the image in full screen. NOTE: This button is only displayed on the devices.</p>
	<p>Study Information Header</p>
	<p>Click the Report to view the Patient Information, Exam Information, Reports, Exam Notes and Clinical Information.</p>
<p>Click this  button to view the Exam Information window. The Exam Information window displays the Modality, Accession Number, Exam Description, Referring Physician, Exam Status, Patient Class and Ordering Location.</p>	
	<p>Layout Selection button. See for more information.</p>

Network Deployment Updates (North America only)

This section details the information related to the deployments performed in the North America as detailed in the section .

- Support and Customer Service personnel should ensure that the default password for the username **administrator** is changed immediately on any site where AWV is accessible via public network, and they shall be asked to upgrade to IntelliSpace PACS 4.4.551 version.
- Using the AWV via VPN and Citrix setup is recommended as it will provide an additional level of security before accessing the applications/services.

NOTICE

IntelliSpace PACS 4.4.551 and above should be used for deployments as detailed in the section .

New Features in IntelliSpace PACS Anywhere 1.3.5.0

There are no updates other than defect fixes.

New Features in IntelliSpace PACS Anywhere 1.3.4.0

The following feature is added in this release of IntelliSpace PACS Anywhere.

Common Access Card (CAC)

In the **Logon Mode** field, select the configured Logon Mode. **Password** is selected by default. If the selected external authentication source is configured with both Password and Certificate Supported Credentials, then both **Password** and **Certificate** will be available.

PHILIPS

IntelliSpace PACS

IntelliSpace PACS Anywhere 1.3.4.0

User Name

Password

Log on to

Logon Mode ☒ Password ☐ Certificate

Languages ☒ Password ☐ Certificate

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[View the End-User License Agreement](#)

[View the Privacy Notice](#)

For detailed instructions, refer to the **Logging In** section of **IntelliSpace PACS Anywhere 1.3.4.0 Instructions For Use**.

New Features in IntelliSpace PACS Anywhere 1.3.3.0

The following feature is added in this release of IntelliSpace PACS Anywhere.

DICOM 6000 Overlays

The Canvas page of the IntelliSpace PACS Anywhere provides the users with the option to view the DICOM 6000 Overlays associated with the studies. For the studies that have the DICOM 6000 Overlays, the Study information header comes with a toggle button to view/hide the DICOM 6000 Overlays. Also, the 16 groups (DICOM standard) are color coded for easy identification of the overlay categories.

To view DICOM 6000 Overlays and its instructions refer to *IntelliSpace PACS Anywhere User Guide*.

New Features in IntelliSpace PACS Anywhere 1.3.2.0

The following features have been added in this release of IntelliSpace PACS Anywhere. This release is in sync with the adaptation to IntelliSpace PACS 4.4.550.0.

- [“Login Banner” on page 31](#)
- [“Session Management Validation Messages” on page 31](#)
- [“Viewing Login Details” on page 33](#)
- [“Hyperlinks in Mail messages will be restricted” on page 33](#)

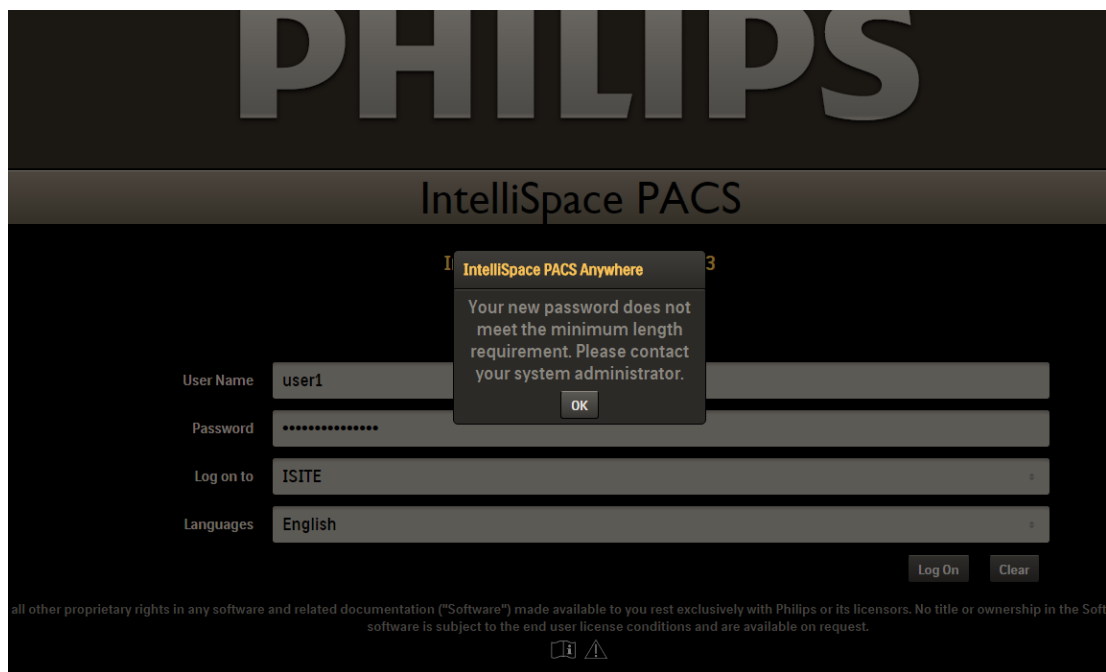
Login Banner

On opening the IntelliSpace PACS Anywhere, you will see a Login Banner. The login banner is an electronic message that provides Notice of legal rights to users of computer networks and warn about unauthorized access to the application.

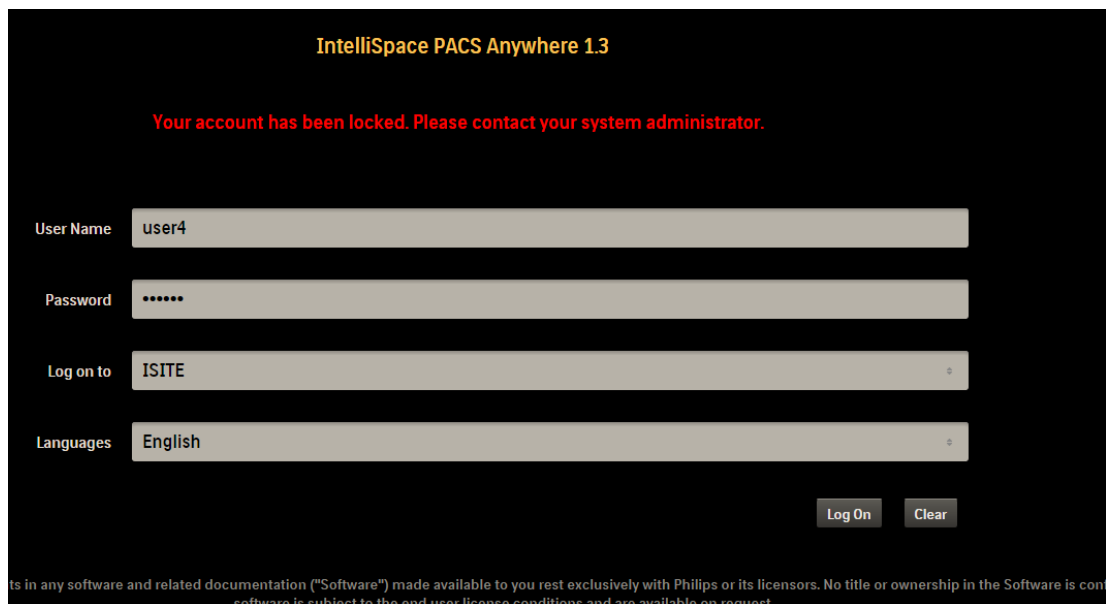


Session Management Validation Messages

- If your user account is configured to change the password during your next login, then a message window displays prompting you to change the password. Click **OK**.
- If your new password does not meet the password policy, then the appropriate messages displays:



- “Your new password does not meet the minimum length requirement. Please contact your system administrator”.

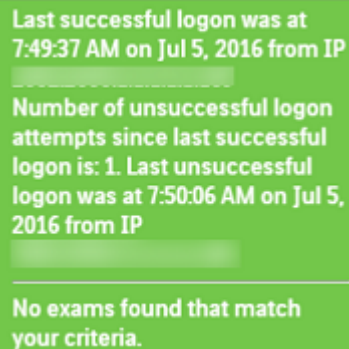


- “Your new password does not meet the complexity requirement. Please contact your system administrator”.
- On entering wrong password in the “Current Password” field, the user account will get locked on exceeding the attempts as configured.
- If the user account is locked, and if you try to login or change password during account lockout time, you will be informed with a message stating that, “Your account has been locked. Please contact your system administrator”.

Viewing Login Details

Users can view/monitor the number of successful/unsuccessful log in attempts along with the date, time and the IP address of the Client system from where the login was attempted.

- Login to the IntelliSpace PACS Anywhere.
- A toaster message will be displayed.



Last successful logon was at
7:49:37 AM on Jul 5, 2016 from IP
[REDACTED]

Number of unsuccessful logon
attempts since last successful
logon is: 1. Last unsuccessful
logon was at 7:50:06 AM on Jul 5,
2016 from IP
[REDACTED]

No exams found that match
your criteria.

Hyperlinks in Mail messages will be restricted

The IntelliSpace PACS Anywhere does not support sending hyper-links in emails. An toaster message will be displayed when you try to send a mail with a hyper-link:



Invalid Mail Subject or Mail
Content.

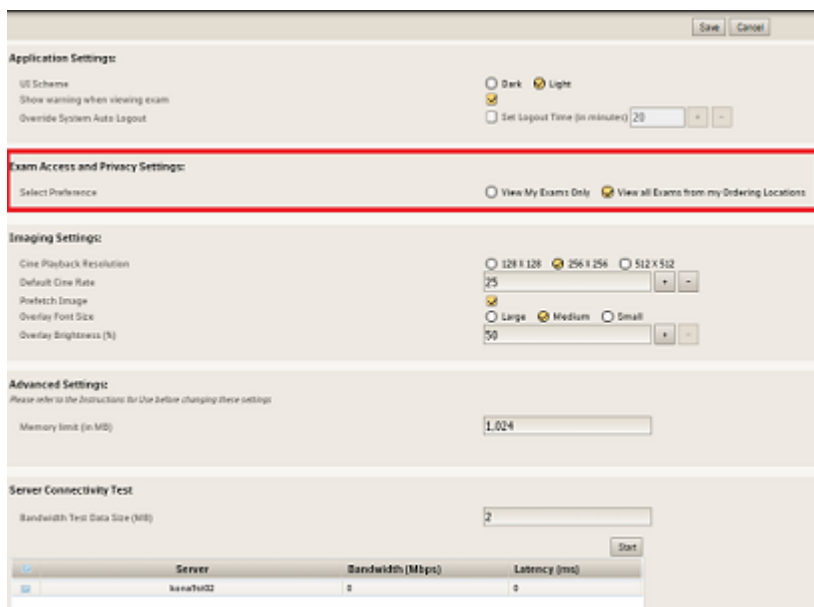
New Features in IntelliSpace PACS Anywhere 1.3.1

The following features have been added in this release of IntelliSpace PACS Anywhere:

- [“Exam Privacy and Access” on page 33](#)
- [“IntelliSpace PACS AdminTool Configuration for Exam Privacy and Access” on page 34](#)
- [“No Filter Defined Message” on page 34](#)
- [“Exams with Images Only Setting” on page 35](#)
- [“French Language Support Added” on page 35](#)
- [“Swedish Language Support Removed” on page 35](#)

Exam Privacy and Access

Certain users can be given permission to select in the **Settings** panel whether to view only their own exams or all the exams in the ordering location to which they are assigned.



Application Settings:

UI Scheme: ☐ Dark ☒ Light

Show warning when viewing exam: ☒

Override System Auto Logout: ☐ Set Logout Time (in minutes): 20

Exam Access and Privacy Settings:

Select Preference: ☐ View My Exams Only ☒ View all Exams from my Ordering Locations

Imaging Settings:

Cine Playback Resolution: ☐ 128 x 128 ☒ 256 x 256 ☐ 512 x 512

Default Cine Rate: 25

Refresh Image: ☒

Overlay Font Size: ☐ Large ☒ Medium ☐ Small

Overlay Brightness (%): 50

Advanced Settings:

Please refer to the Instructions for Use before changing these settings.

Memory limit (in MB): 1,024

Server Connectivity Test

Bandwidth Test Data Size (MB): 2

Start

Server	Bandwidth (Mbps)	Latency (ms)
localhost	0	0

The following **Exam Access and Privacy Settings** are available:

- **View my Exams Only** to view only exams ordered by you (the exams where you are the Referring Physician or the provider).
- **View all Exams from My Ordering Locations** to view all the exams in the ordering location(s) you are currently assigned to. This includes exams from other providers in your ordering location as well.

For users with the proper permission, the **Full Access** button displays at the top of the application. This allows users with the proper permission to access all exams. All actions are audited when the **Full Access** button has been selected.



Refer to the *IntelliSpace PACS Anywhere 1.3 User Guide* for more information.

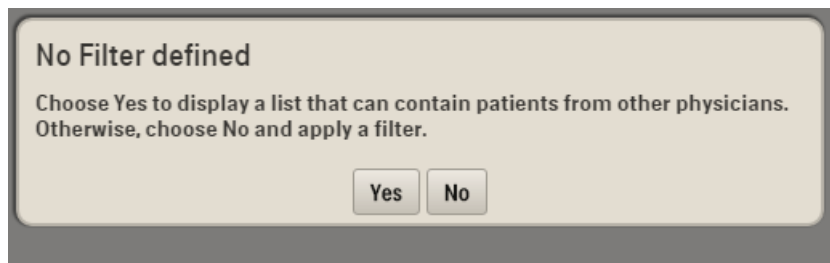
IntelliSpace PACS AdminTool Configuration for Exam Privacy and Access

The **Exam Access and Privacy Settings** feature is configured in the IntelliSpace AdminTool. The **Security/ Users/ Select and Edit User/Advanced** option on the **Users** page and the **Security/ Group/ Advanced** option on the **Groups** page enable an administrator to link providers and manage the location assignments for an internal user. Users can be linked to multiple providers across organizations and assigned to multiple locations for each provider.

Refer to the *IntelliSpace PACS AdminTool User Guide* for more information.

No Filter Defined Message

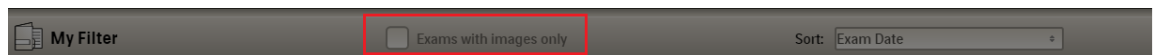
If no filter has been defined when you first log in, the following message displays.



Click **Yes** to display a list of patients with exams from the last 24 hours. Click **No** to define a new filter.

Exams with Images Only Setting

The **Exams with images only** check box has been added, allowing you to choose whether you only want to find patients with exams that have images.



French Language Support Added

Support for French language has been added to this release.

Swedish Language Support Removed

Support for Swedish language has been removed from this release.

New Features in IntelliSpace PACS Anywhere 1.2.0.0

The IntelliSpace PACS Anywhere 1.2.0.0 release included the following new features:

- [“Presentation State Support” on page 36](#)
- [“JPEG Image Support” on page 36](#)
- [“Measurements Display” on page 36](#)
- [“Adding Measurement on Touch Devices” on page 36](#)
- [“Filter Icon” on page 36](#)
- [“Retrieving Archived Images” on page 37](#)
- [“Overriding System Auto Logout” on page 37](#)
- [“Testing Server Connectivity” on page 37](#)
- [“Remembering Authentication Source” on page 37](#)
- [“Swedish Language Support” on page 37](#)
- [“Custom Configuration File for SUBI” on page 37](#)

Presentation State Support

IntelliSpace PACS Anywhere now supports the display of measurement and annotation Presentation States that were created in iSite PACS 3.x (proprietary) and IntelliSpace PACS 4.4 (DICOM GSPPS). You can view the Key images for the corresponding Presentation State. Pressing the PS icon displays a list of Presentation States.

You can display Presentation States that include the following: Line, Arrow, Triangle, Circle, Ellipse, Text, and Freehand ROI. You can add Line and Angle measurement annotations to displayed Presentation States. (Note that you cannot save these added annotations back to the loaded Presentation State.)

IntelliSpace PACS Anywhere uses the same logic as IntelliSpace PACS when determining the initial presentation state of an exam. The following types of presentation states are available:

- Original DICOM
- Technologist
- Pre-read
- User
- 3rd party GSPPS

JPEG Image Support

IntelliSpace PACS Anywhere now supports the display of JPEG/JPEG 2000 (visible light) images and color and black-and-white 8- and 16-bit images. The following image manipulation actions are available:

- All images: pan & zoom
- Black-and-white images: WW/WL and invert

Measurements Display

Measurements that have been added in IntelliSpace PACS Anywhere and can be changed are displayed in blue; existing measurements (view only) are displayed in white.

Adding Measurement on Touch Devices

On a touch device, you can tap the first and last endpoints to add a line or angle.

Filter Icon

The Filter icon on the Canvas Page now changes to show the following:



No filter is applied – all exams are shown in the timeline



Filter is applied— a subset of all exams is shown in the timeline

Retrieving Archived Images

You can now retrieve images that are stored on a remote archive or VNA from IntelliSpace PACS Anywhere. You can launch a Job Status page from the Dashboard to view the image retrieval status.

Overriding System Auto Logout

The Settings page now includes an option for overriding the logout time value defined in the IntelliSpace PACS group policy. Enable the check box to specify the number of minutes of inactivity after which you will be logged out of IntelliSpace PACS Anywhere. The range is 1 to 60 minutes; the default is 20 minutes.

Testing Server Connectivity

The Settings page now includes a server connectivity test that can be used by PACS Administrators or Philips Technical Support to troubleshoot latency issues.

Remembering Authentication Source

The last authentication source is now remembered when you log into IntelliSpace PACS Anywhere.

Swedish Language Support

Swedish has been added as a supported language in this release.

Custom Configuration File for SUBI

A custom configuration file (for example, custom.config) can be created on the IntelliSpace PACS Anywhere server that controls whether the IntelliSpace PACS Anywhere EMR specific parameters, such as acc, mrn, org, mnem and UseExpirationTimeStamp can be passed in the SUBI URL. See [“IntelliSpace PACS Anywhere EMR Integration with SUBI” on page 47](#).

New Features in IntelliSpace PACS Anywhere 1.3.0.0

The IntelliSpace PACS Anywhere 1.3.0.0 release included the following new features:

- A link to upload a captured video from iOS and view it in IntelliSpace PACS.
- The ability to view body part annotations that were added to images captured using IntelliSpace VL Capture (iOS app or Web application)

- The ability to play videos captured using IntelliSpace VL Capture (iOS app only)

8 Resolved Issues

IntelliSpace PACS Anywhere 1.4.53.0

Defect Number	OneEMS #	Description
EII00086618	0125459552, 0125458715	AnyWhere: Printing report the text is truncated or cut off.

IntelliSpace PACS Anywhere 1.4.50.0

IntelliSpace PACS Anywhere 1.4.50.0 only has internal issue fixes.

IntelliSpace PACS Anywhere 1.4.1.3

Defect Number	OneEMS #	Description
EII00081434	0115618839	FRC06 - Spinning circle defect persists after upgrade to IntelliSpace PACS Anywhere 1.4.1.2- due to handling of legacy PS
EII00082003	0115805510, 0115816996	IntelliSpace PACS Anywhere 1.4.0.0 VOI LUTs Support or NOT supported documentation
EII00082073	0115420828	Correction for IntelliSpace PACS Anywhere 1.4.1.1 Configuration Guide - remove extra space character in Appendix B example

IntelliSpace PACS Anywhere 1.4.1.2

Defect Number	OneEMS #	Description
EII00080695	0114882882	Anywhere: Images stop loading when you start scrolling
EII00080696	0114882882	Anywhere: Report icon on timeline tile on canvas page does not open report
EII00080698	0114882851	Anywhere: Default log in authentication source is always iSite for first launch
EII00080020	0114882785	Series description with long is being truncated text on thumbnails

IntelliSpace PACS Anywhere 1.4.1.1

Defect Number	OneEMS #	Description
EII00078595	0113710839, 0113999087, 0113762181	Anywhere Viewer 1.4: Ultrasound Measurements in Pixels
EII00079728	0114266797, 0114310605	FOK- Incorrect Bone Window for CT in Anywhere Viewer

IntelliSpace PACS Anywhere 1.4.1.0

Defect Number	OneEMS #	Description
EII00073905	0111050439	Anywhere's URL's displays when performing a search in Google.
EII00072736	0110309344	SUBI for PACS Anywhere not working when using NAT.
EII00063395	0105696058, 0112677596	Anywhere SUBI user authentication fails when DNS name is used.
EII00077227	0112800266/ PR case 0113156012	Some MR studies images are not stacking even though they are available in IntelliSpace Radiology / IntelliSpace Enterprise
EII00074601	0111408448	Anywhere Viewer SUBI: When searching a patient with MRN, the search might return incorrect entries, when a longer MRN starts with same values as a shorter MRN.
EII00074136	0111046172	Unable to open exams in Anywhere 1.2.11.2.
EII00064006	0106005544	Unable to print a Report In Anywhere Viewer.
EII00078846	0113849548	Security Warning displayed while opening some of the images.

IntelliSpace PACS Anywhere 1.4.0.0

OneEMS #	Defect Number	Description of Fix
0108996720	EII00068267	An error in the German translation was corrected from "Anfordernde Stell" to "Anfordernde Stelle"

9 Open Issues

OneEMS #	Defect Number	Description
NA	EII00086740	AWV - Visible Light option to be removed.
0124717212	EII00086280	Texas Children Anywhere Viewer Angle Measurement tool line cannot be moved individually.
0124505256	EII00086204	1.4.50 Anywhere viewer does not display graphic 6000s DICOM Tag for Anatomical marker.
0122819436	EII00085535	AWV: Anywhere viewer is displaying an incorrect study Date/Time for exams around Daylight Savings Time change.
NA	EII00083663	US images not shown correctly on AW.
0117863103	EII00083420	BAX00 - Anywhere1.4.0 -Exception studies in Anywhere Viewer does not have the correct Study date/time.

10 Usage Notes

- IntelliSpace PACS Anywhere does not support Federated exams.
- IntelliSpace PACS Anywhere does not auto populate an exam when new images arrive. Exam must be closed and reopened to see images added or in progress.
- IntelliSpace PACS Anywhere cannot launch IntelliSpace PACS clinical applications or Volume Vision.
- For some types of high resolution images (for example, MG and CR) there may be wasted space in the IntelliSpace PACS Anywhere and the images may look small.
- IntelliSpace PACS Anywhere is not installed on the PICS (Philips Image Continuity Service). This means that IntelliSpace PACS Anywhere will not be available if a backup server needs to be used. In this case, the customer would need to use IntelliSpace PACS Enterprise or IntelliSpace PACS Radiology.
- IntelliSpace PACS Workflow Layer 2.0 may have performance issues if a high number of IntelliSpace PACS Anywhere users access the Mail and Critical Findings modules. If this occurs, limit the number of users who have permission to use these Workflow Layer modules.
- As a best practice, you should clear the cache (cookies and data) when you first use IntelliSpace PACS Anywhere or if you observe IntelliSpace PACS Anywhere crashing or freezing.
- For optimal performance on the iPad 2, we recommend that you set the memory limit to less than 50 MB and set the Logout Time to less than 10 minutes.

11 Known Limitations

Surface Pro Device

Sometimes key pad pops up even during tap on non-text fields like button. In this case the key pad has to be explicitly closed by user, to continue using the application.

- Sometimes, key pad pops up even during tap on non-text fields like button. In this case the key pad has to be explicitly closed by user, to continue using the application.
- In surface-pro tap and hold works similar to right click in desktops. Hence tap and hold features in anywhere viewer such as hiding of overlays will not work in surface pro.

Certificates required

Safari and IE require a certificate to view videos captured in IntelliSpace VL Capture (http or https connection) in IntelliSpace PACS Anywhere. As a workaround, videos can be viewed on Chrome and Firefox.

Cine Progress Bar

When you go from a stacked image while playing cine to a single image, then back to the stacked image, the cine progress bar returns to the correct location. However, the image number shows as “1” until the cine is started again.

Browser Flashing After Upgrade

After upgrading from IntelliSpace PACS Anywhere 1.0 to IntelliSpace PACS Anywhere 1.1, the browser screen briefly flashes on both Chrome and Safari when you open the browser.

Primary Language in IE10

On Surface tablets with IE10, users can set a primary language for the browser. However, when you log into IntelliSpace PACS Anywhere for the first time or have previously logged in with a different language, the primary language is not displayed on the login page. The following workaround is available:

- On the IntelliSpace PACS Anywhere login page, select the desired language from the **Languages** list. The login page refreshes and the previously set language is displayed and preserved.

On-Screen Keyboard on Surface Tablets

Unlike other tablet devices, the on-screen keyboard must be invoked manually on Microsoft Surface tablets when they are set to Desktop mode.

Scrolling Differences between Apple and Windows

The mouse scroll behaves differently in Apple (Mac) and Microsoft (Windows) environments when using a mouse wheel. On a Mac, when “Move content in the direction of finger movement when scrolling or navigating” is enabled, scrolling down a stack with the mouse scroll wheel increments the stack to a *lower* index. On a Windows machine, scrolling down a stack increments the stack to a *higher* index.

If you want scrolling to work the same way on a Mac as it does in a Windows environment, disable the “Move content in the direction of finger movement when scrolling or navigating” setting.

Cine Performance on Tablets

On tablet devices, cine performance at a resolution of 512x512 is not optimal; a resolution of 256x256 is recommended. Higher resolutions can be used on desktops and laptops.

Logging

Client logs are generated on the IntelliSpace PACS server only for IntelliSpace PACS Anywhere client machines that have their time zone set to behind UTC. (UTC is Coordinated Universal Time, which is the same as Greenwich Mean Time).

Job Status Refresh Issue on Surface Pro Running IE 10/IE 11

Refreshing the job status using the Refresh button or the Job Status icon does not work properly on Surface Pro devices running IE 10/11. As a workaround, clear the cache and log in again.

No Image Display on Firefox Versions 30 and 31

Images do not display when running IntelliSpace PACS Anywhere on Firefox versions 30 and 31. Images display correctly on Firefox versions 16 through 29. This will be resolved in a future release.

12 IntelliSpace PACS Anywhere EMR Integration with SUBI

This chapter contains the following information:

- [“Overview” on page 47](#)
- [“Parameters” on page 48](#)
- [“Exam Query Options” on page 48](#)
- [“Security Options” on page 49](#)
- [“Generating a SUBI URL” on page 50](#)
- [“Using Integration Test Pages” on page 51](#)
- [“Errors” on page 51](#)

For more information, see SUBI Integration with IntelliSpace PACS Enterprise (CRE4.09-218).

Overview

Electronic Medical Record (EMR) systems integrated with image viewers are an industry standard approach for improving the user experience and information efficiency of a medical practice.

SUBI is a Standard URL Based Integration application that helps to integrate third-party application with IntelliSpace PACS Anywhere. SUBI does not create new information nor does it modify any information for the end user; it only allows the EMR user to view exam images in IntelliSpace PACS Anywhere without having to launch the IntelliSpace PACS Anywhere application separately and manually query for the desired exam.

IntelliSpace PACS Anywhere supports URL based EMR integration. The Canvas Page and image viewing and manipulation functions are accessible in the EMR integration mode. The URL parameters are encrypted; the key to decrypt is provided in the server.

The URL based EMR integration for IntelliSpace PACS Anywhere supports the creation of multiple configurations. These configurations can be set up and configured on the IntelliSpace PACS Anywhere server.

The duration a URL is valid is set up in the IntelliSpace PACS Anywhere EMR integration configuration on the server.

NOTE

If SUBI has already been configured for IntelliSpace PACS Enterprise and you want to use SUBI in IntelliSpace PACS Anywhere, you will need to provide the appropriate arguments to the URL. IntelliSpace PACS Anywhere uses an encrypted URL, while IntelliSpace PACS Enterprise can use either an encrypted or unencrypted URL. If you are using an unencrypted URL for IntelliSpace PACS Enterprise, you will have to change this to an encrypted URL for IntelliSpace PACS Anywhere to work.

Parameters

The following table shows the IntelliSpace PACS Anywhere EMR specific parameters that are passed in the SUBI URL. The parameters in bold are required.

Integration Params	ASP Parameter ID
Accession Number	acc
MRN Number	mrn
Organization Code	org
Login User ID	loginid
Login Password	loginpwd
Timestamp	timestamp
UseExpirationTimestamp	timestamp
User ID Mnemonic	mnem
Encryption Type	newarg
Authorization Source	authsource

The “arg” parameter is used to pass an encrypted URL parameter list. The newarg parameter is used to specify the encryption algorithm applied. The default Authorization Source is isite.

Additionally, a custom configuration file (for example, custom.config) can be created on the IntelliSpace PACS Anywhere server that controls whether the IntelliSpace PACS Anywhere EMR specific parameters, such as acc, mrn, org, mnem and UseExpirationTimeStamps, can be passed in the SUBI URL.

Exam Query Options

The integrating EMR has a choice to run the query on the patient

- Medical Record Number (MRN)
- Accession Number (ACC)

- Organization ID (ORG)

NOTE

At least one MRN or ACC is required to run the query.

The following table describes the exam query parameters and descriptions. For the query to succeed, the MRN and ACC passed in the URL must be an exact match for the IntelliSpace PACS values. No wildcard search is performed. If a query yields no results (for example, an incorrect MRN was entered), an error page is displayed in the user's browser.

Parameter	Description
MRN only	When using "MRN" as a mode of query, IntelliSpace PACS Anywhere will open up the most recent study with images provided the patient exists.
ACC only:	When using "acc" as a mode of query, SUBI opens up the study if it contains any images. If the study does not have images, there is a setting by which the integration can present the user with an option to select the most recent study (can be any modality) and/or most recent study for the same modality from last request (both of these depend on availability of the study).
MRN and ACC	Works the same as "Acc only" except that both are required parameters and both will be checked to find a match.
Organization ID	Organization ID can be included on any of the Query configurations listed above. If the site is a multi-organization site, then the Org parameter must be included to differentiate between any potential Accession/MRN match from different organizations.

Security Options

To enforce the controlled access to the integration, various check measures are in place that can be enabled or disabled based on the integrating EMR requirements. These changes are controlled in the SUBI configuration file on the SUBI PACS server.

Encrypted URL Parameters

The SUBI package supports fully encrypting the argument parameter string using AES256 encryption and using a shared secret key between the EMR and SUBI. An example of an encrypted URL is:

```
https://<servername>/anywhere/emrapp.html?
arg=rCNQHmQCTh1BZxLVhQ2Lt171GkCVxsOMrcmL6g/aEOYb0Rt5VuGFwsm/
1sxhle1DA94XgoxTlwivtZIRsXJSpf09cIc1M0v5oF7aMTyjMHP9N7pSA7qoNyZ09DR0I
c/ROltkIBds3o1jRs2N6c4PNmJ59grZE4=&newarg=2
```

The value after `arg=` is generated by encrypting the following line (where `*` is the Username and Password, respectively):

```
loginid=*&loginpwd=*&authsource=iSite&acc=4295009&mrn=196666698&org=DE
FAULT&mnem=EMRUserName&timestamp=20140618183822&exptimestamp=201406181
83818
```

Timestamp (required)

The integration validates that the pages being loaded are being accessed within a pre-determined, valid time-window (default is 300 seconds) but this is a configurable parameter. If the link used to launch the integration is expired, the integration will not allow access to IntelliSpace PACS data. The timestamp argument also increases the encryption strength by ensuring that the URL created by the EMR application is unique each time, even if the other arguments have not changed.

The timestamp option is set to use the client time or a synchronized server time. The timestamp can be based on the Universal Time Coordinate (UTC) time system or the local time system. The Timestamp is enabled in the server configuration file. The timestamp format is YYYYMMDDHHMMSS. For example, the timestamp for August 23, 2010 01:11:22 PM is 20100823131122, based upon the above timestamp format.

Expiration Timestamp (optional)

The expiration timestamp specification is similar to the timestamp parameter and is specified in the YYYYMMDDHHMMSS format. For example, the expiration timestamp for August 23, 2010 01:11:22 PM is 20100823131122.

If both an Expiration Timestamp and a Timestamp are defined, the Expiration timestamp value is used. When the time has elapsed, the link used to launch the integration expires.

User ID Mnemonic (optional)

This field is optional, and is only used when UseMnemonic parameter is “true” in the *subi.user.config* file on the IntelliSpace PACS Anywhere server. The default is “false.”

Generating a SUBI URL

Because IntelliSpace PACS Anywhere EMR integration uses an encrypted URL, it requires the EMR integration to generate a URL pointing to `emrapp.html`, a SUBI page on the IntelliSpace PACS server.

The following is an example of an encrypted EMR-generated URL:

```
https://<server>/anywhere/emrapp.html?
arg=rCNQHmQCTHlBZxLVhQ2Lt17lGkCVxsOMrcmL6g/aEOYb0Rt5VuGFwsm/
1sxhle1DA94XgoxTlwivtZIRsXJSpfw5cIc1M0v5oF7aMTyjMHPPr9N7pSA7qoNyZ09DROI
cmQ+r13rFxjF97211JZfpuKJ/RvY9sIB4TRdcnvJuTN8LfUjxVEy8wvg==&newarg=2
```

Using Integration Test Pages

The SUBI package includes a test page that can be used to launch the SUBI image viewer without having to go through an external application. This page will read the configuration file from the server and present the expected input fields to be filled in. This page can be helpful in troubleshooting issues to see if the problem exists in the EMR application or in the SUBI package. This test page is available in the integration package at: **<http://<subiserver>/subi/aw/unittest/aw.test.aspx>**.

The following is an example of an integration test page.

The screenshot displays the SUBI integration test page with the following sections:

- CONNECTION SETTINGS**
 - SUBI URL Page: /subi.aspx
 - Login User Id: Administrator
 - Login Password: *****
 - Authorization Code: iSite
- A dropdown menu set to "custom" and a "Load Custom Configuration" button.
- SUBI URL INPUT PARAMETERS**
 - MRN: 196666698
 - Accession Number: 4295009
 - Organization Code: DEFAULT
 - User ID Mnemonic: EMRUserName
 - Time Stamp (UTC): 20140618183822 ☐ Enable Time Clock
 - Expiration Time Stamp (UTC): 20140618183818
 - User Group ? : ☐
- Buttons: "Generate URL" and "Launch SUBI Page".
- Generated URL: RUsername×tamp=20140618183822&exptimestamp=20140618183818&app=custom
- URL (Encrypted): j8DWzxVESc3vOMNE3MdZ0WMMhF+!+eOi3qRiBG4J8wJX8JYUn41wgdD0b9ms1OzQ==

The login User ID must have the Anywhere Base Policy added to their group.

Known Limitations

When IntelliSpace PACS Anywhere Viewer is launched from SUBI there is no option for logging out, hence the Session Management is required to be disabled.

The URL encrypted must be made to "TRUE" post installation. Since IntelliSpace PACS Anywhere Viewer uses encrypted URL only.

Errors

An error displays if the following occurs:

- IntelliSpace PACS Anywhere can not decrypt the URL
- IntelliSpace PACS Anywhere cannot log into the IntelliSpace PACS Enterprise PACS Server
- A required parameter is missing from the URL

- An invalid timestamp parameter was provided in the URL
- URL expired
- User login failed
- User does not have permission to log in to IntelliSpace PACS Anywhere
- Image view is not authorized
- Invalid organization

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Philips Medical Systems Nederland B.V.
Veenpluis 6, 5684 PC Best, The Netherlands



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