PIICiX Service Tools

CMS2024 Module 17

Revision: 20150809

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Objectives

This module will cover the following objectives:

- Explain and demonstrate the purpose of each Service Tool feature and setting option found under the Tools Tab of System Configuration on the Primary Server.
- Introduce remote connections using UltraVNC.



Accessing Service Tools From the Server



- Go to System Configuration
 - Service Tools are accessed within the Tools selection.
 - System Configuration can be accessed either at the Primary Server, or from any Information Center iX.
 - From the Information Center iX, if patient monitoring is running stop the application with ALT+F4, and enter the appropriate User Name and Password.
 - At the Windows desktop press and hold the Shift key then right click the configuration Icon and select "Run as different User" then enter SupportUser & Password.
- After you type in your Biomed Password you will see the following menu inside your window, we will now be focusing on the Tools screen.

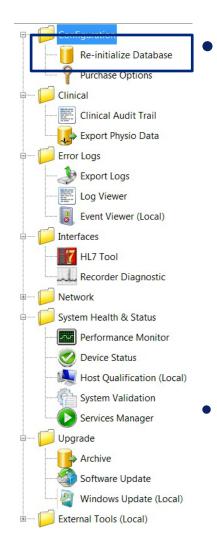
Configure | Tools

PHILIPS

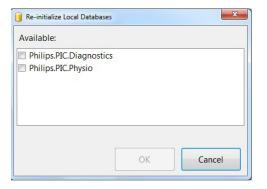
alidate Archive

Stop Services

Configuration: Re-Initialize Database



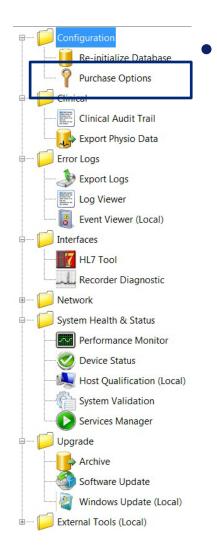
Permits re-initialization of local databases.



- Philips.PIC.Diagnostics database contains Diagnostics used by Log Viewer, performance values used by System Performance Monitor, and Device Statistics.
- Philips.PIC.Physio database contains Physiological data.
- If you must re-initialize the entire Primary Server database you must run System Setup and click "Install" on the System setup screen, it isn't available in System Configuration.

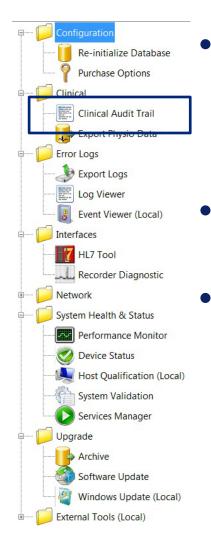


Configuration: Purchase Options



This page permits viewing Feature Option
Assignment and Feature Option Details included
in the Servers and Hosts

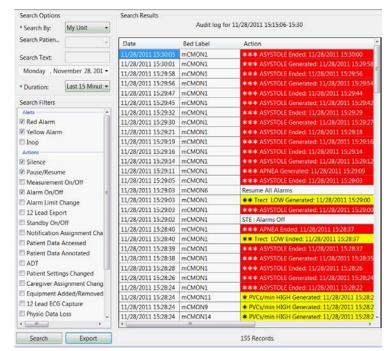
Clinical: Clinical Audit Trail



The Clinical Audit Trail provides search options to produce a chronological record of Alerts and Actions preformed within a unit regarding patient management and the ability for the data's export.

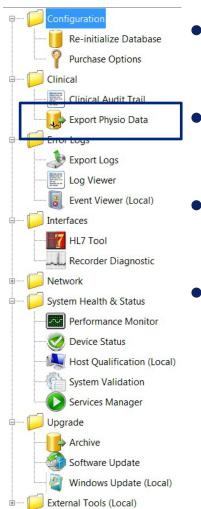
- Data is stored for 90 days
 - Searchable options include the alerts, patient, where alerts went, and what actions staff took as a result of an alert.
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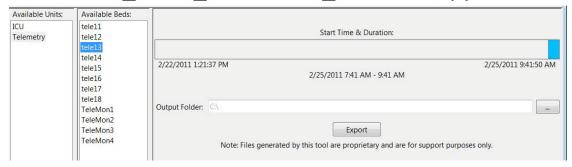


Clinical:

Export Physio Data



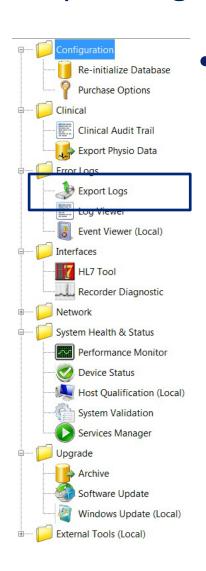
- This page allows for the export of data for a selected bed.
 - Select a desired Unit and Bed, then drag the slider to adjust desired Start Time & Duration.
- Enter a desired location for the file in the Output folder text box or click the ellipse to select one.
- Click export, the file name format is:
 - [host]_[bed]_[starttime]_[endtime].ppd





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Error Logs: Export Logs

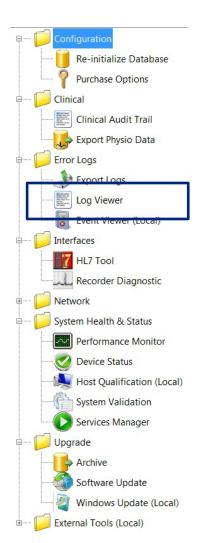


- This tool allows the user to save & export a compressed file of the following logs for a selected system;
 - All PIICiX logs including System Validation results
 - Application & System event logs
 - Philips PIC Setup logs
 - Operating System Network Settings
 - PIICiX Archive
 - Network Statistics Alerts
 - All log files in C:\Stardate
 - KaVoom logs
 - Windows update

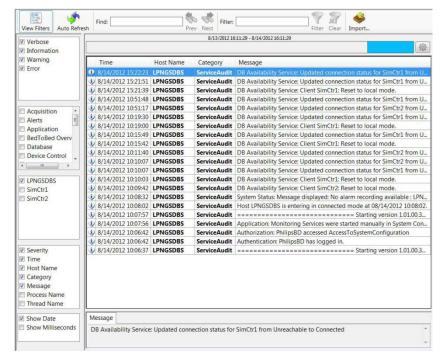




Error Logs: Log Viewer

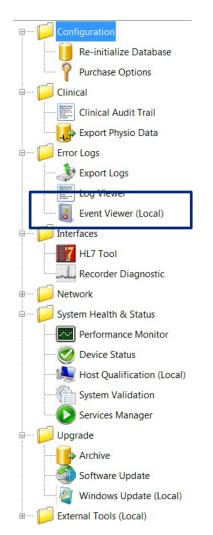


- This provides a viewer for troubleshooting and helps to expose system problems.
- Filter for specific logs from the local database.





Error Logs: Event Viewer (Local)



- Event Viewer is a windows application that permits viewing of monitoring and troubleshooting messages.
- The Windows Event Viewer application will open and show events from the local host machine that the tool is being run on.

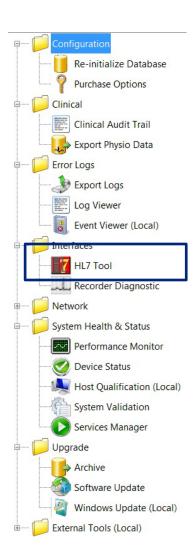




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Interfaces: HL7 Tool



- The HL7 Tool permits data capture from various HL7 sources for troubleshooting.
- This was covered extensively in Module 15.





Interfaces: Recorder Diagnostic



- The Recorder Diagnostic tool permits testing a recorder that is locally connected to the Central.
 - ServiceHost must be running on the local PIICiX
 - No Recording jobs are in the Queue
 - Paper Out, Door Open, USB Unplugged, and Power Unplugged conditions may not exist and will fail the diagnostic recording.
- When the tool is running all recording from monitored beds is suspended.

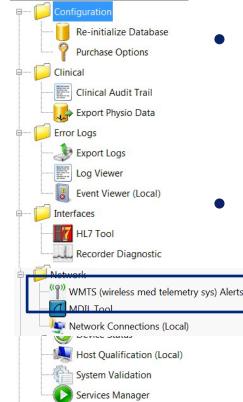




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Network:

WMTS (Wireless Med Telemetry Sys) Alerts



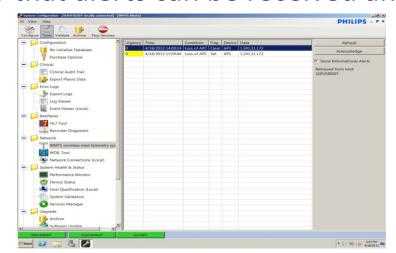
Software Update Windows Update (Local)

External Tools (Local)

This tool allows for configuration and viewing of alert data received from the telemetry system's Access Points and Access Point Controllers when problems occur in the infrastructure.

APCs must be configured with the PIICiX Server IP Address so that alerts can be received and

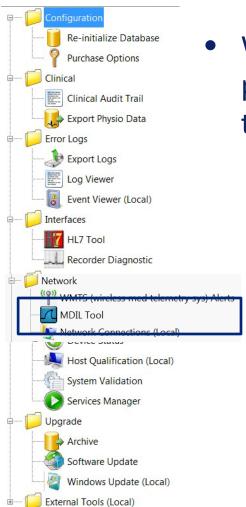
displayed.



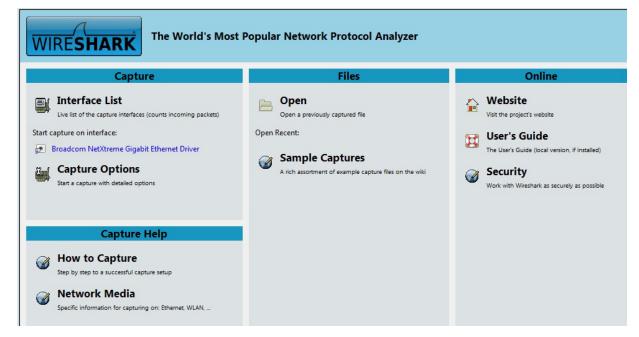


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Network: MDIL Tool (Wireshark)



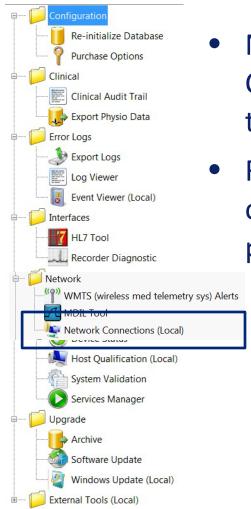
Wireshark is a network packet analyzer. It provides a type of measuring device to examine the activity inside a network cable.



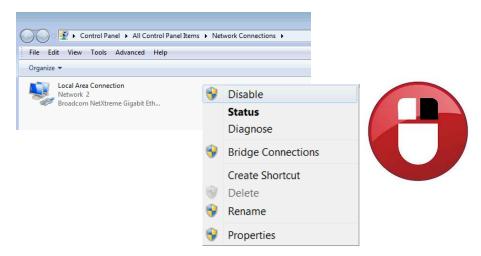


Network:

Network Connections (Local)



- Network Connections is a short-cut to open the Control Panel's Network Connections window on the local host that is running the tool.
 - From inside this window you can permit configuration of Network Interface Connection properties.

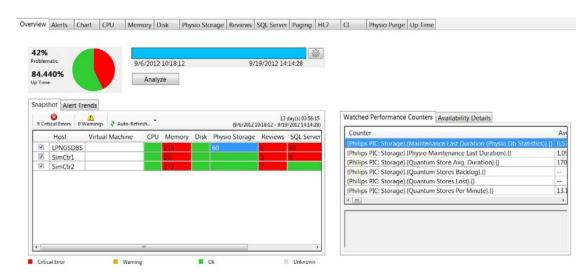




System Health & Status: Performance Monitor



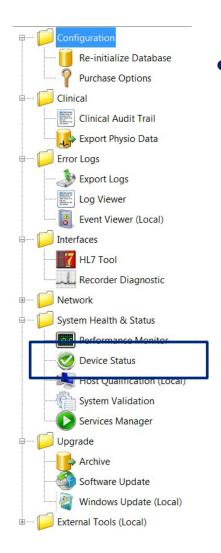
- This is a distributed service and a suite of Applications that examines retrospective system and software performance counters and metrics.
- It measures overall System Performance, health, and reliability and generate alerts.



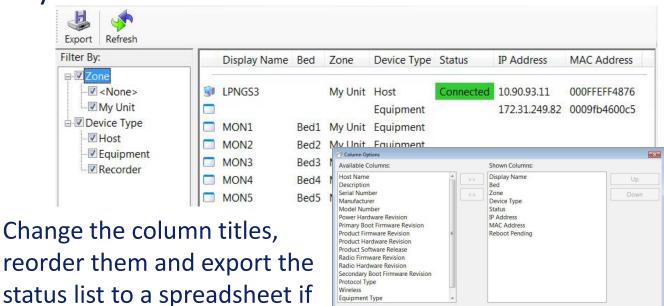


System Health & Status: **Device Status**

wanted.



This tool permits on-site or remote identification of the state of hosts, bedsides, telemetry and network infrastructure devices connected to the system.



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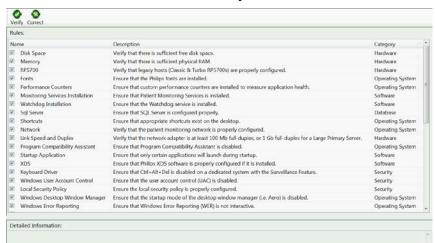
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Cancel

System Health & Status: Host Qualification (Local)



- Host Qualification feature provides a postinstallation assessment of rules for the local host it is run on. Each item in the list is a rule that must be satisfied.
 - If a rule is not satisfied there is an opportunity to correct a rule failure if possible.

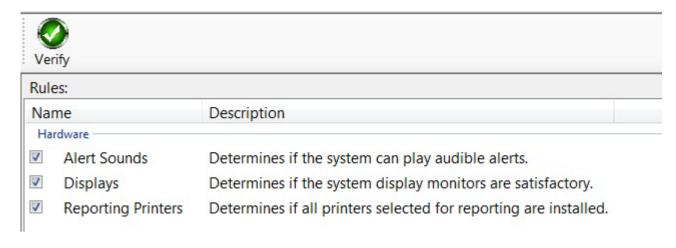




System Health & Status: System Validation

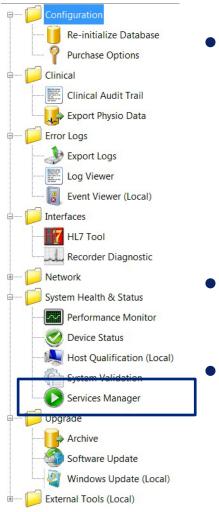


 System Validation provides a post-installation assessment of a customized configuration of hardware and software for the entire system.





System Health & Status: Services Manager

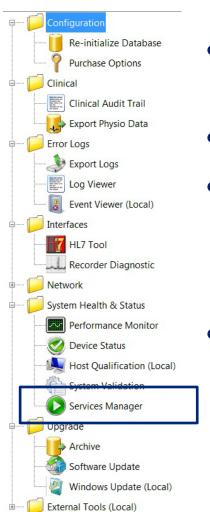


- Services Manager is a READ-ONLY list of all available services running on the hosts and the server in the system.
- Red indicates that a service is stopped.
 - If a host is not connected there are no available services listed.





System Health & Status: Services Manager



- If you must restart all services click the top menu item.
- If it is RED services are running,
- If it is GREEN services are stopped.



- If you need to start XDS (Services for bedside printing and PDF export) you must open the windows Task Manager
 - Go to the desktop and right-click the task bar then select Start Task Manager.



Upgrade: Archive



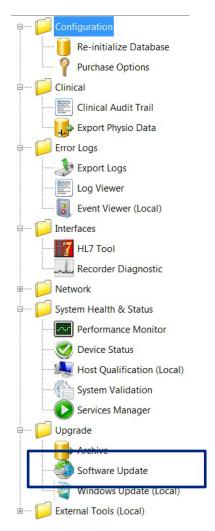
- If you need to make a new Archive of your system double click here.
- Enter a desired filename, or click the ellipse to navigate to a location to save the file.
- Enter a comment about why you're making this for future reference should it be needed.
- Check the include patient information if you expect to have to use the archive soon.



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Upgrade: Software Update

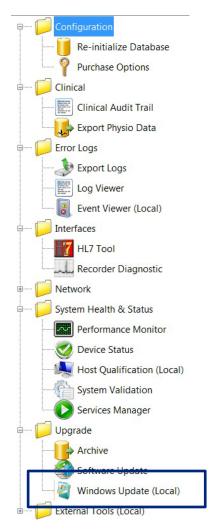


- Software Update permits patch installations.
- The latest available software revision V.U.F. appears in the Software Update screen.
- This was covered extensively in Module 7.

y -0	X					
Update Annou	unce Retract	Refresh				
Latest Available	Software Re	vision: None				
Display Name	Host Name	Zone Name	Software Revision	Build	Install Status	Compatibility Revision
SimCtr1	SimCtr1	PCU	B.00.00	393	Complete	B.00.00
SimCtr2	SimCtr2	Telemetry	B.00.00	393	Complete	B.00.00
LPNGSDBS	LPNGSDBS	Equipment Room	B.00.00	393	Complete	B.00.00



Upgrade: Windows Update (Local)



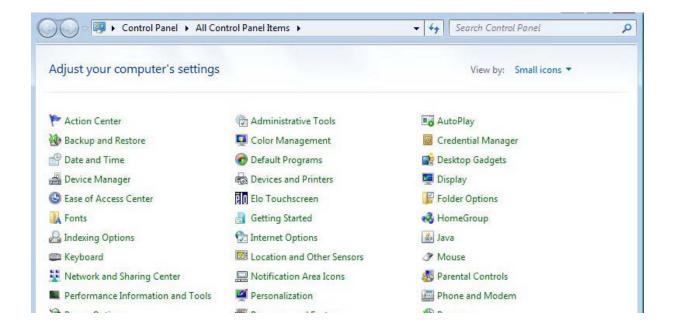
- Windows Update allows for checking for any updates to the local host's Windows Operating System.
- Remember not to install un-validated updates.
- More information on this is available in Module
 8.



External Tools (Local): Control Panel



This is simply a short-cut to the Control Panel in Windows

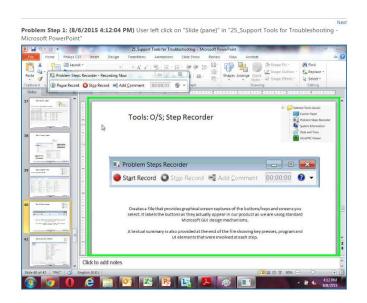




External Tools (Local): Problem Steps Recorder (PSR)



PSR is a windows feature that automatically captures the steps you take on a computer and creates a file with graphics and text of what was done.



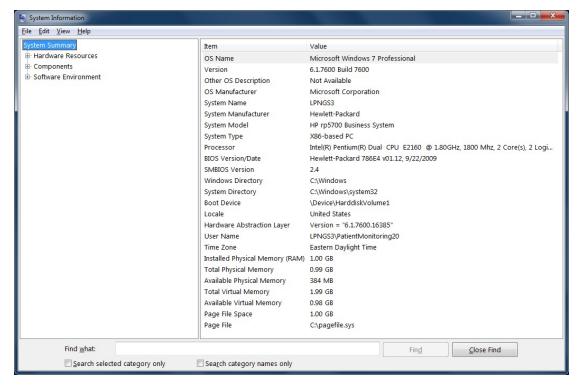




External Tools (Local): System Information



You can expand the system information screen with data about the local machine.

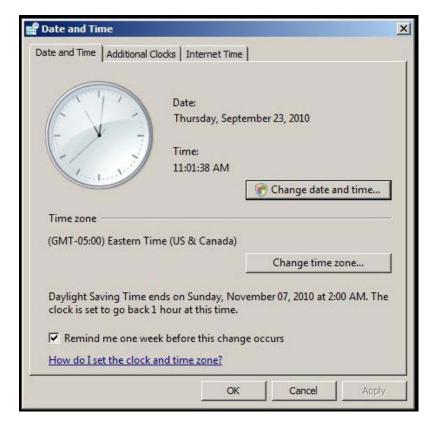




External Tools (Local): Date and Time



Short-cut to Windows Date and Time dialogue.



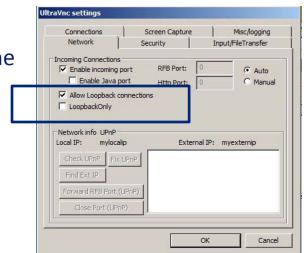


External Tools (Local): Other

- Command Prompt is a shortcut to the Windows CMD.exe application.
- Ultra VNC is a link to the Viewer which is an application that you can use for remote support for a PIICiX host.
 - Configuration information available at:
 http://www.uvnc.com/install/viewerconfig.html

To connect to a PIICiX from within your hospital the LoopBackOnly checkbox must be clear.

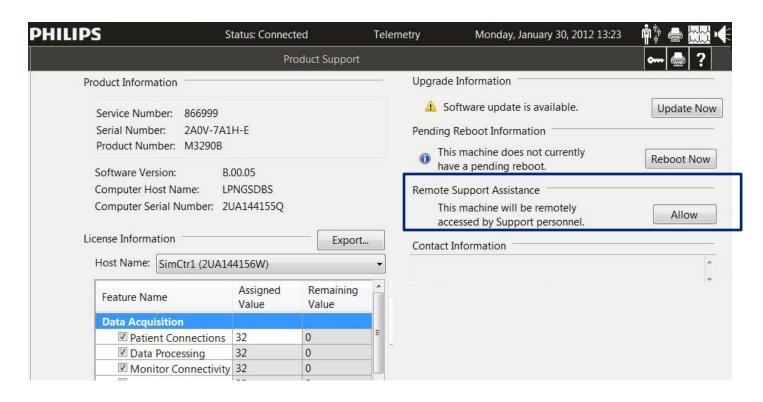
If you clear this checkbox you are responsible for meeting security, privacy and auditing polices for internal remote access.





If you want to access a PIICiX Host from your Server

 The Clinical User must permit the remote connection at the PIICiX through the Product Support page.





UltraVNC Viewer-Connection

- Clicking on the UltraVNC Viewer will open this page
- Enter the hostname or IP Address of the PIICiX you wish to remotely access in the VNC Server box



When the connection has been allowed the dialogue opens



Enter your password in the box and click Log On.





Adding New Tools to the External Tools (Local) Folder

- If you want to add additional tools to the folder:
 - Right-click the External Tools (Local) folder and select "Add"
 - Click the elipse button next to the command text box.
 - Locate the executable file for the new tool in the Open window
 - Enter a display name in the text box
 - If necessary, add appropriate Arguments for the tool.
 - Click OK.

To Delete:

 Right-click the desired tool and select "Delete" from the drop down menu.



Log Out!

 Whenever you are in a password protected function please make sure that you sign out to prevent un-authorized access and changes.

Summary

- Access Tools under the Systems Configuration while logged in as the appropriate user.
- There are a variety of tools, some of which run locally on the machine others are for the entire PIICiX System.
- UltraVNC can be used to remote into a PIICiX Host device from the Primary Server.
- Local tools can be added to the list.



