



15+ years of Meditech Expertise

Updates!

e-Newsletter from Iatric Systems, Inc.

September, 2007

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1. Message from Senior Management

Because We Care

Joel Berman, President



I know it sounds corny, but all of us at Iatric Systems care what you think about our products and services. In fact, we're passionate about it.

Some companies sell only one product, so after you buy it, they may not be concerned about future sales. We have a large array of software applications, interfaces and services. This works to your benefit. If you aren't happy with one of our products or services, then you aren't likely to buy anything else from us in the future. So, we have to care, and we do.

We are committed to providing exceptional customer service. If we screw up, we take it personally. We're professionally and personally embarrassed. iAlert is an internal software application that we built to try to make sure that we find out about problems before you do so we can correct problems fast. I'm not sure any other vendor in our market, including Meditech, does this. We recently established a physical (vs. virtual) support center to monitor iAlert information and correct problems that arise. That was a big step for us, and I'm pleased to report we're seeing benefits.

Another tidbit about our commitment to what we do is that there are many late nights when our staff members are online discussing and resolving problems, development issues and how to make our software better. Many times our staff instant message me after hours and let me know how challenges are being overcome, how goals are being achieved, or to tell me how happy they are to be paid to do what they love to do.

We think this kind of passion for what we do makes a difference. I hope you think so, too.

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2. Halton Healthcare Services Improves Patient Safety with MobiLab



Halton Healthcare Services (HHS) is a modern and progressive healthcare organization comprised of three community hospitals - Georgetown Hospital, Milton District Hospital and Oakville-Trafalgar Memorial Hospital. Together these hospitals provide quality healthcare services to over 275,000 residents in the rapidly growing communities of Halton Hills, Milton and Oakville in southwestern Ontario.

The following article originally appeared in Halton Healthcare's "For the Health of Our Community" newsletter, and is being reprinted herein with permission:

*Halton Healthcare Services' Laboratory at Oakville-Trafalgar Memorial Hospital (OTMH) was the first in Canada to pilot a new electronic patient identification system called **MobiLab** in the spring of 2007.*

This positive patient identification (PPID) and labeling system improves patient safety by reducing patient and specimen identification errors. For phlebotomists or laboratory staff who travel throughout the hospital drawing blood specimens for laboratory testing, this system helps organize their day and streamlines their workload.

Based on barcode technology, the PPID system consists of a wireless handheld computer with a fully integrated scanner and a portable barcode label printer. When tests are ordered for a patient, the request is transmitted by a wireless connection to the handheld computer of one of the OTMH phlebotomists within seconds.

At the bedside, the phlebotomist scans the patient's barcode identification on the hospital wristband to make sure that the barcode on the wristband matches that of the patient requiring the tests.

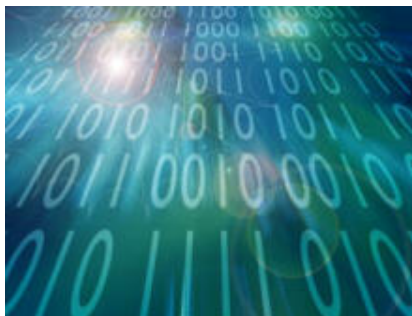
"This technology helps us make significant safety advancements in patient identification and specimen labeling. It is an invaluable tool to improve patient safety," explains Kathryn Snell, HHS Laboratory Services Technical Director. "It ensures that specimens are collected from the right patient, at the right time, into the right container – and all are accurately labeled at the patient's bedside."

To see MobiLab in action, please join us via webcast as we demonstrate the software on the following dates in October:

Webcast Date	Day	Time
<u>October 18, 2007</u>	Thursday	2:00pm Eastern
<u>October 23, 2007</u>	Tuesday	2:00pm Eastern
<u>October 30, 2007</u>	Tuesday	2:00pm Eastern

To register, simply select the session date, and please be sure to include your **name, phone number and hospital name**. We'll promptly send you registration confirmation and instructions on how to participate. Webcasts are open to staff at any hospital operating the Meditech HCIS.

3. Introducing Scriptlink+ at No Cost to Hospital Users



Iatric Systems is pleased to announce the release of [Scriptlink+](#), its 3rd generation scripting tool for MEDITECH Magic and Client/Server customers. Perhaps more importantly, we are pleased to announce that we are making the Standard Edition of ScriptLink+ available to hospital users at no cost.

We want to make this perfectly clear - the Standard Edition of ScriptLink+ is available without a license fee and with no maintenance contract required.

Joel Berman, President and founder of Iatric Systems, indicates "Our internal scripting professionals have estimated that the Standard Edition of Scriptlink+ will likely meet the needs of up to 90% of hospital users." For those with stronger programming skills looking to develop more complex scripts, the Professional Edition will also be available for a reasonable site license fee. However, you might be surprised at how much we packed into the Standard Edition.

We have also scheduled several free Scriptlink+ Webcasts where we will demonstrate the product and even provide an introductory tutorial to get you started. Simply click on one of the links below to sign up for the Webcast of your choice. Please include your name, phone number and hospital affiliation in order to complete the registration process.

Webcast Date	Day	Time
10/09/2007	Tuesday	2:00 PM Eastern
10/24/2007	Wednesday	11:00 AM Eastern
11/06/2007	Tuesday	11:00 AM Eastern
11/19/2007	Monday	2:00 PM Eastern

On September 17, 2007, Scriptlink+ entered an "Open Beta" period. We have been using Scriptlink+ in our own interfaces and Day End scripts for months. We even have some hospital users putting it to the test. Now we really want to see how Scriptlink+ performs, so we are making the Standard and Professional editions available to any hospital users that want to give it a try. The "Open Beta" period will conclude on January 2, 2008, at which time the Standard Edition will remain free and Professional Edition users will need to make a licensing decision.

[Request a ScriptLink+ license key](#), or [contact us](#) for more information on ScriptLink+ or any of our software products and services.

4. Wireless Network Tips



Periodically, Iatric Systems offers educational sessions in connection with Wireless Networks and Wireless Network Security. This month, we'd like to give you three tips past attendees have found particularly useful. These tips have evoked those scratch-your-head, "Wow! How come I didn't think of that?" types of reaction. Enjoy!

Wireless Surveys

Ensure that wireless surveys are performed where devices will actually be installed. For example, if surveying with a laptop and signal strength meter, or another laptop held on carts, 3.5-4 ft from ground level, a cinderblock wall is 1ft thick. However, put one laptop on the ceiling where the access point would be installed, and hold the other

3.5-4ft high. Now the cinderblock wall is 2ft thick because of the angle the radio waves travel through the wall.

Obtain Equipment to Perform Access Point Surveys

Experience has shown that policies and training are insufficient to prevent users from deciding to help themselves. Hospital network administrators are sometimes surprised to find that someone with marginal or no network coverage has purchased a \$29.95 access point and plugged it in under the desk. To detect unauthorized access, simply equip a laptop with a survey software (Like NetStumbler, Kismet, or AirSnort), and preferably utilize a wireless adapter with an external antenna port and directional antenna (typically under \$100). This will allow personnel to make weekly surveys of the facility for rogue access points, and the directional antenna makes finding it much easier. This same small investment will also allow for fairly accurate wireless signal strength surveys when the external antenna is detached.

Antenna Choices

Some access points come with multiple antenna connectors. Be sure to check with the manufacturer for specifications for their use. While some access points are beginning to appear which have MIMO (multiple-in, multiple-out) technology where both are active, most access points use diversity antennas. Diversity antennas switch between the two, choosing the antenna with the best signal from the client. When there are multiple antennas widely spaced, and multiple users, this can sometimes result in users being left without a signal, while the other antenna is in use.

If you've found these tips helpful, keep your eye out in future issues of our Updates newsletter for the announcement of upcoming Wireless Network educational session webcasts.

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5. NPR Report Writing Tips

Listing Device Table information with an NPR report (Magic only)

Meditech \$T dictionaries and data are not available to the NPR report writer via DPM's. An NPR report can, however, open a prefix to the file and load the information into an MV array for convenient downloading or reformatted printing, or to provide customized selection or sorting.

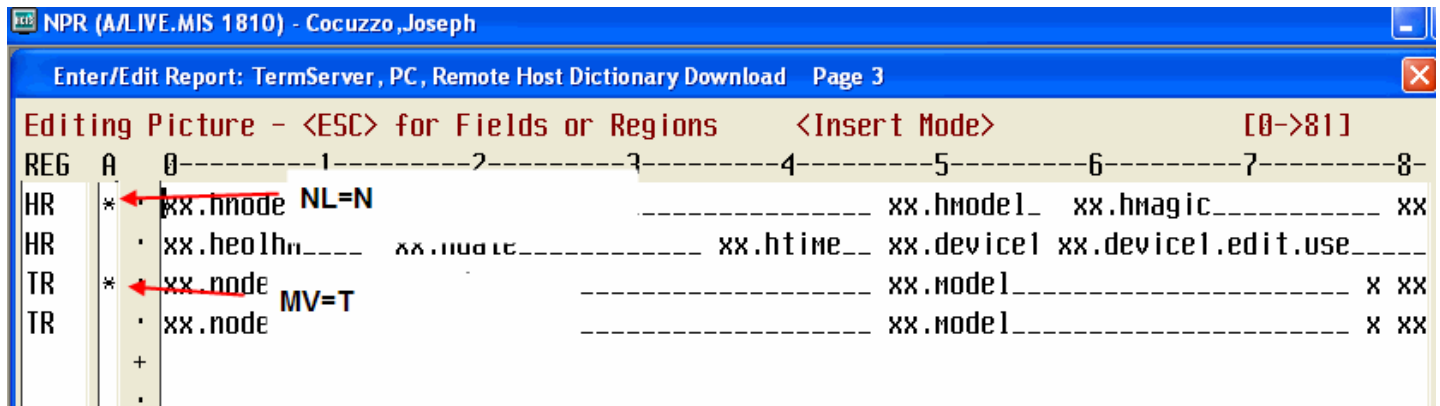
This month, we will show how an NPR report written in MIS.USER can list term servers and pc's from the device dictionary.

The report is set up to select just one record, as follows:

	Select Field/Prompt or Value	Oper/Default or Keyword
1	initials	EQ
	@.user	

The report has an HR (report header) and a TR (report trailer) and no detail region.

We build computed fields for the headers and a set of MV array fields in the trailer to print the data:



You can see that the header fields took up more than 200 characters of space on the picture, so we added a NL=N attribute to the first of the two lines (and therefore need a RL 400 footnote).

It is not possible, as far as we know, to wrap an MV array across more than 1 line, so we just shortened one of the MV fields in the TR region to 1 character, but added TRUNC=N. This way, we can fit the fields left to right on 1 line, but fit more than 200 characters.

```

Edit Field Attributes: xx.dev1 usr
DAT=FREE
JFY=L
LEN=1
TRUNC=N
    
```

The termserver / remote host dictionary is actually kept in an raf called "files" in the ".SYS" directory. We could use SEG to get to that directory and then open the file, but Meditech keeps a "pointer" to the file in the \$ data. Therefore, it is easier to just open the prefix to that pointer as follows:

```
ZZ%O(*S,$["util.files"])
```

This is really an obscured version of the following line of code:

```
O(*S,$util.files)
```

Adding the ZZ%O gets the Open command past the syntax checker.

Moving the file name into square brackets keeps the translator from trying to find it in the data definition and reporting an error.

Here is example code listing termserver and PC/Remote hosts.

```
Enter/Edit Macro Logic: MIS.USER.zcus.is.termserver.remote.host.pc.M.tr (A: )
ZZ%O(*S,$["util.files"]),
DO{+*T[DEV]→DEV 1,
    DEV→/MV["T",DEV,FLD],
    *T[DEV]ID→/MV["T",DEV,FLD+1],
    *T[DEV]M→/MV["T",DEV,FLD+2],
    IF{*T[DEV]O="S" "Y"→/MV["T",DEV,FLD+3]},
    *T[DEV]IP!1→/MV["T",DEV,FLD+4],
    *T[DEV]CD→/MV["T",DEV,FLD+5],
    *T[DEV]O→/MV["T",DEV,FLD+6],
    *T[DEV]RR→/MV["T",DEV,FLD+7],
    *T[DEV]E→/MV["T",DEV,FLD+8],
```

Open and stack * to the pointer to the device table kept in \$util.files

Loop on device entries and load data into MV array columns

At the end of the report, we close and unstack the prefix. This restores it to its prior state.

```
Edit Footnotes
RL 400
AL TR tr
AL CLOSE.UP C(*U)
```

Rather than guess about what is stored where, a little poking around in the macros in the .SYS directory brings us to

"util.subs" and we see how fields are defined. The macro uses : instead of * for the prefix.

```

terminal.server.tables      :T
terminal.server.table      :T[ts]
terminal.server.mode.info  :T[ts]BM
terminal.server.device.code :T[ts]CD
terminal.server.description :T[ts]ID
terminal.server.ip.info    :T[ts]IP
terminal.server.ip.address.int :T[ts]IP!0
terminal.server.ip.address :T[ts]IP!1
terminal.server.ip.net.name :T[ts]IP!2
terminal.server.model      :T[ts]M
terminal.server.node       :T[ts]N
terminal.server.os         :T[ts]O
terminal.server.remote     :T[ts]R
;terminal.server.remote    :T[ts]R = nil if a magic svr and non-nil if a remote svr
terminal.server.rread.enabled :T[ts]RR
;terminal.server.rread.enabled :T[ts]RR = non-nil if remote.read should be negotiated
terminal.server.encryption  :T[ts]E

terminal.server.device.code.index :TI
terminal.server.node.index       :TNI

```

Terminal Servers / Remote Hosts

```

device.table      :D[dv]
device.machine    :D[dv]A!0
device.port       :D[dv]A!1
device.mux.characteristics :D[dv]C
device.baud.rate  :D[dv]C!0
device.stop.bits  :D[dv]C!1
device.data.bits  :D[dv]C!2
device.parity     :D[dv]C!3
device.loopback   :D[dv]C!4
device.auto.halt  :D[dv]C!5
device.dialup.security :D[dv]D
device.fastack    :D[dv]FA
device.description :D[dv]ID
device.model      :D[dv]M
device.remote     :D[dv]R
device.segment    :D[dv]S!1
device.directory  :D[dv]S!2
device.program    :D[dv]S!3
device.display.signon :D[dv]S!4
device.alt.segment :D[dv]SX!1
device.alt.directory :D[dv]SX!2
device.alt.program :D[dv]SX!3

```

Devices

device.type	:D[dv]T
device.last.filed.by	:D[dv]U
device.node.index	:DNI

A sample report: MIS.USER.zcus.is.termserver.remote.host.pc has been uploaded to our report Library.

You can find additional NPR Tips on our website at <http://www.iatric.com/information/npr-tips.asp>, as well as information about our [on-site NPR Report Writer Training](#) and [NPR Report Writing Services](#).

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7. Newsletter Sign-Up/Contact Us

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You may also request to discontinue receiving our newsletter by sending an e-mail at info@iatric.com.

If you've received this newsletter via e-mail, you may give us feedback by simply replying to the e-mail. However, if you would like to reach someone directly, please feel free to contact one of the individuals listed below.

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