ArcSYS, Inc.- Draper, Utah

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ArcBITS Newsletter

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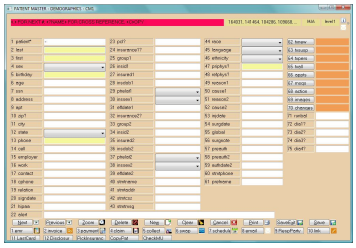
Data Entry Features

All sorts of new enhancements have been implemented into Red Planet.

First, is the feature of auto-saving. This is a philosophical change in how Red Planet handles data entry fields. In order to understand this change, there is a little bit of background that must be understood. There are two types of screens that exist: **Fixed** and **Dynamic**. An example of a **Fixed** screen is like patient registration or charge entry and always has the SaveExit or Save button in the lower right. An example of a **Dynamic** screen is like a medical record template and has the Ok button in the lower left. In both types of screens there are fields that are characterized by a "box". *Whenever you are typing (or dictating) in this type of field, that data will automatically be saved to the server every minute*. You may notice a brief, "spinning wheel" while you are typing. Thus, if your connection with the server dies, you will lose at most 1 minute of work while in a "box" field.



Second, if your connection with the server is ever lost, you will be alerted by the visual display of a bright, red bar. This bar appears at the top in the help message field in the case of a **Fixed** screen or as a vertical bar on the right side of a **Dynamic** screen. If you are in a menu, the Select field will turn red.

Third, numerous changes have been implemented to minimize the occurrence of messages like "value was null" or "ambigiuous condition". Pop-up boxes initially appear about a 1/2 second faster, too.

Menu Features

When the first super user in the practice logs on, a number of system audits are performed to make certain the system is performing properly. One thing that can cripple a system, for instance, is the lack of a good backup. The audit process looks to see if the Sleeper process is running, that the File-Save process is not hung, and that the Incremental-Save process is not hung. These audits are like a gatekeeper watching the other gatekeeper.

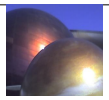
The wording of the message which appears when the super user logs on and needs to be alerted has slight variations so that important messages are not easily ignored due to "alert fatigue".

A super user can re-organize a menu and purge off entries no longer in use. This is done by entering –1 in the Select field and then choosing the option of Purge. One question will appear asking if entries older than 1 year should be deleted. The second question asks if the menu should be "balanced" (one, two, or three even length columns).

ArcSys Hot Tip

CMS made a significant announcement this week stating it plans to make adjustments to the Meaningful Use (MU) reporting period for 2015. Most notably, CMS would shorten the Meaningful Use (MU) reporting period in 2015 to 90 days, similar to what was expected during the first year of Stage 1 for MU attestation.

2014 EDITION Drummond certified ONC-ACB EHR MODULAR



Monitoring

On the menu is a new icon that looks like a tiny bar chart. This allows a user to see what is happening on the system. There are options of seeing which screens are being used by which users, who has been logged on, what records were updated by a user and system wide activity (super user only). Examples of these screens are shown here. The screen in the top left will auto-refresh once a minute. The screen in the lower right refreshes every second.

	AlphaUsers	Screens	Event	AlphaScreens	User
1	CRO	CM1	p langevin	ASF1	KGT
2	JAK	DSF1	07/06/15	ASF1	RHA
3	JBO	DSF1	01/05/15	CM1	JMW
4	JJB	CM1	c carley	CM1	CRO
5	JMA	DSF1	01/05/15	CM1	JJB
6	JMW	CM1	p yeung	CM1	KDC
7	KDC	CM1	a west	CM1	TEH
8	KGT	ASF1***	01/19/15 09:10	CM1	YRL
9	KNL	CM1	b mayo	CM1	KNL
10	LAC	DSF1*	01/07/15	CM1	TCD
11	MLG	TX1	g dominguez	CM1	TML
12	MTJ	DSF1	01/05/15	DSF1	SLS
13	PPSA	TX1	p rosario	DSF1	JMA
14	RHA	ASF1*	01/12/15 10:45	DSF1	MTJ
15	SLS	DSF1	01/06/15	DSF1	JAK
16	TCD	CM1	f davis	DSF1	LAC
17	TEH	CM1	m suer	DSF1	JBO
18	TML	CM1*	n duncan	DSF1	YYW
19	YRL	CM1	p allen	TX1	PPSA
20	YYW	DSF1	03/17/15	TX1	MLG

Select OK Cancel

	User	6	.	+	.	7	.	+	.	8	.	+	.	9	.	+	.	10	.	+	.	11	.	+	.	n	.	+	.	1	.	+	.
1	AMC													o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
2	BCH									o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
3	DAW															o	o	o	o	o	o	o	o	o	o	o	o						
4	EJT				o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
5	ELJ								o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
6	FILE-SAVE																																
7	GAC									o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
8	INCR-SAVE										o			o					o				o				o					o	
9	JKB																													o	o	o	o
10	JKM					o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o											
11	JKO																	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
12	JLA															o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
13	JLC													o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
14	JSW							o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
15	KAE									o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
16	LABCORP									o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
17	LWC															o	o	o	o	o	o	o	o	o	o	o	o	o	o				
18	LXB												o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
19	MDK											o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
20	MJA																					o	o	o	o	o	o	o	o	o	o	o	o
21	MJM								o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o	o
22	MLR													o	o	o	o	o	o	o	o	o	o	o	o	o	o		o	o	o	o	o
23	PKM																															o	
24	RMC									o	o	o	o	o	o		o	o															
25	SLEEPER																																o
26	YHA														o	o	o	o	o	o	o										o	o	o
	users per									1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15min			1	2	2	3	5	9	1	2	5	6	8	8	0	0	9	9	9	8	8	8	8	6	7	8	9	8	9	7		

Select OK Cancel

	Time	Filename	Itemid	Event	Who
1	06:42	CM	149	had 1 change	sumko-bitner orthopaedics sum
2	06:42	CM	571	had 1 change	brigham medical clinic inc. b
3	06:44	TK	65321	new record	sumko-bitner orthopaedics
4	06:44	TK	65322	new record	brigham medical clinic inc.
5	06:44	TK	65323	new record	urology of greater atlanta
6	07:03	TK	65324	new record	physician medical billing
7	07:03	CM	1430	had 1 change	physician medical billing
8	07:11	CM	381	had 1 change	joseph d. hillam, md
9	07:16	CM	961	had 1 change	nephrology of northern utah,
10	07:34	CM	127	had 1 change	cottonwood ob gyn
11	07:34	CM	486	had 1 change	brent j. bowen, m.d. p.c.
12	07:36	CM	14	had 1 change	faisel zaman md
13	09:16	QMS	273	new record	
14	09:17	QMS	272	new record	
15	10:13	QMS	276	new record	
16	10:59	QMS	277	new record	
17	11:06	QMS	278	new record	
18	11:29	CM	199	had 2 changes	utah orthofacial surgery
19	11:32	BH	1784	new record	
20	11:32	TX	30917	new record	
21	11:39	CM	551	had 1 change	carolina eye center
22	11:46	CM	143	had 1 change	alan abdulla m.d.
23	11:48	CM	369	had 1 change	millcreek women's center
24	11:54	CM	125	had 1 change	murray pediatrics
25	11:55	CM	126	had 1 change	mountain orthopedics
26	12:33	CM	196	had 1 change	rodney merrill md pc
27	12:55	CM	1576	had 1 change	hani m. annabi, m.d.
28	12:57	CM	551	had 1 change	carolina eye center

Select OK Cancel

Update by: Kelly Lewis
Time: 15:56:36
Change:
TRANSACTIONS 2706146
DATE 12/22/14
ICODE 4
AMOUNT -3.83
BATCH 30257
REF 29419

Lookup by: Tonyetta Hatcher
Time: 15:56:28
Screen:
date:01/16/15 doc:7 LEE day:FRIDAY notes:LEE Surgery GARCIAS Out (Sorted by ascending TIME)

#	time	end	loc	typ	patient	last	first	reason	phone	arr	doc	key
1	07:00AM			SU						7		1454243
2	07:30AM			SU						7		1454247
3	08:00AM			SU						7		1454248
4	08:10AM		78	FU	269396	[redacted]		ANNETTE 6 MONTH FOLLOW UP	[redacted]	7		1454255
5	08:15AM		78	NP	275578	[redacted]		ROGER NP- HEMATURIA. DR. REEVE [redacted]		7		1454256
6	08:20AM		78							7		1454257
7	08:30AM		78							7		1454258
8	08:40AM		78							7		1454259

Counter: 15:56:37 -- 5 of 60
MsgBoxLog:
<> <You must now search for an Open time slot. Once found, click the Reschedule button to fill in the detail.> <RESCHEDULE> <RSCH> <30 LAC> <15:55:58 05 JAN 2015>
<JumpMARS> <DO YOU WANT TO CLOSE THE SESSION AND LOG OFF?> <JUMP.0> <JUMP.0> <36 TEH> <15:53:12 05 JAN 2015>
<> <You must now search for an Open time slot. Once found, click the Reschedule button to fill in the detail.> <RESCHEDULE> <RSCH> <31 RHA> <15:52:47 05 JAN 2015>
<ASF1> <NOT A VALID APPOINTMENT TYPE FOR THIS PROVIDER> <ASFTYPE> <ASFTYPE> <44 JMW> <15:47:24 05 JAN 2015>
<ASF1> <NOT A VALID APPOINTMENT TYPE FOR THIS PROVIDER> <ASFTYPE> <ASFTYPE> <44 JMW> <15:47:13 05 JAN 2015>
<ASF1> <NOT A VALID APPOINTMENT TYPE FOR THIS PROVIDER> <ASFTYPE> <ASFTYPE> <44 JMW> <15:46:56 05 JAN 2015>

ErrorLog:
NULL ITEM IN FILE ICB 14:34:40 05 JAN 2015
It has been over 31 days since the last end of cycle was completed. MJA 07:52:03 05 JAN 2015
The Sleeper process appears to be stalled?? MJA 01:27:10 04 JAN 2015
There were 25 illegal logon attempts in the past 3 days. MJA 08:45:16 03 JAN 2015
REOPEN DISCONNECTED PORT 15 16:19:17 02 JAN 2015
REOPEN DISCONNECTED PORT 20 13:39:08 02 JAN 2015
There were 39 illegal logon attempts in the past 3 days. KNL 08:47:22 02 JAN 2015
There were 48 illegal logon attempts in the past 3 days. MJA 10:19:39 01 JAN 2015

The screen shot on the right shows an example of ArcSys monitoring the activity of 3 separate clients concurrently. It is a useful way for us to spot potential problems from turning into disasters.