



RW Tips and Tricks Still Learning after All These Years



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MUSE 2018 Orlando Educational Session

Then and Now..



Meditech Company Picnic Shirt
from stuffed toy August 1991



Save the date June 28 2019

Then and now..



1994 Dell Mechanical Keyboard
RIP 5/10/2018



Agenda – NPR Report Writer

- 1 Report Compare – ExamDiff
- 2 Report Compare w/ utility
- 3 Magic Only – Fake the @.gui
- 4 Edit Elements/Edit Picture Reminder
- 5 Break report run into multiple files
- 6 Magic Only - Append to files

Agenda Report Designer

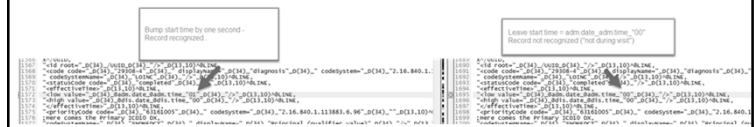
Print Assessments with Template
 Print CDS with field attribute
 Default time for date/time fields
 RD Debugger
 Print Format for Downloads
 Flexible "grid" output via rules
 Programming in rules with lists and nested lists

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Report Compare



ExamDiff Pro (free version available)



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ExamDiff Pro (free version available)



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Report Compare Utility

Magic, C/S
 NPR.REP.zcus.is.muse2018.report.compare
 Main segment fields
 Fields,Selects,Footnotes

RD
 Fields,Selects,Footnotes

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Both reports have computed fields (IG) with report lookup

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So get c.xx.reporta, c.xx.report
- set /urn to one of them in start macro to print 1 record

Magic screen - C/S is same

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Edit Elements ID= Magic Version

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Edit Elements ID= C/S Version

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Ahh.. Now you can run EDM and RXM reports in the colors you love..

ER Dashboard

From ED Registration Date 04/01/2018

Thru ED Registration Date 05/22/2018

Print on: []

Other uses – if central menu for doctors – Nagging!

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Edit Elements (Magic and C/S)
Edit Picture (Magic)

Use CH to provide run options

#	Field Element
1	c.xx.from
2	c.xx.to
3	c.xx.interval
4	c.xx.header
5	c.xx.appl.dict

A)tributes D)escription? [A] <esc> - t

CH=Daily,Weekly,Monthly,Entire

DATE=FREE

DFT2="Entire"

ID.ARG=BR

IFE=1

LEN=30

File Interval

Include Column Headers

Include Application Dicts

Include MIS Dicts

Data Option

Type of Transfer

Root Path for PC Transfer

Choices

Daily

Weekly

Monthly

Entire

Other Attributes

IFE and REQ can be used to make reports more flexible

FCL attributes can error check user input

DFT2 can be used for more flexible defaults

ID (as seen in report compare utility) can call Meditech or your own custom ID program

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Edit Picture (Magic) Edit Elements (C/S)

Allows you to add extra text to screen

Magic - rearrange prompts and responses

This is extra text added via block row header Block Row 2

Extra text added via block header = Y Block Override 1

*Report One

Report Two

NPR (A/LIVE/MIS/586) - IATRC

Enter/Edit Page1

Report DPM ABS.PAT Report Name zcus.is.qrdal.all.smh.2017

Report Title ZABS.PAT.zcus.is.qrdal.all.smh.2017.H.dft(0).1

List of Measures

STK6

STK8

VTE1

eEDH11A

Expand from default number of lines by adding @21 markers

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Break long report into multiple files

Magic – FTP or write to local PC
C/S – file writing utilities

For Magic – set up FTP Remote Host

Enter/Edit FTP Remote Hosts

Mnemonic IAT.FTP1ST Last Edited by IATRIC on 05/22/2018-1322

Active ☒ Name Test FTP to A00

Domain Name Or IP Address 10.16.5.101

Logon/Username iatriicftp

Password *****

Directory Path \MUSETEST\

Suppress FTP Display ☒ Passive Connect ☐

Secure? ☐ Explicit/Implicit? ☐

MAGIC IP Host Segment A

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Magic Screen Interval Options / Output Options

One Report - Multiple Files

From Discharge/Service Date 01/01/17

Thru Discharge/Service Date 12/31/17

File Interval

Output Option

FTP Remote Host to Use

Path for PC Files

Choices: Daily, Weekly, Monthly, Entire

Choices: FTP, PC File, Do Not Divert

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"dates" macro

Write macro that builds array like this
/DATE.INDEX[start.date] = end.date

So if entire, and user picks all of 2017
/DATE.INDEX[20170101] = 20171231

If by month for year

/DATE.INDEX[20170101] = 20170131

/DATE.INDEX[20170201] = 20170228

/DATE.INDEX[20170301] = 20170331

...

/DATE.INDEX[20171201] = 20171231

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Magic FTP or PC Download

Per each interval

- Divert output to saf in ftp root directory
 - Send header if desired
 - Send data
 - Transmit file – FTP.GHT or \$COPY2DOS
- Repeat for next interval until done

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Basic Loop

```

NPR (A/TEST.5.67MSS/74) - JATRC *** TEST ***
Enter/Edit Macro Logic BAR.PAT.zcus.is.muse2018.multiple.files.M.d.(A.)
/BAR.PAT.zcus.is.muse2018.multiple.files.M.date.index(0),
D(9)>>TAB,
SC"J">>JOB,
#MAC>SSS,
IF(L(c.xx.path)>>LEND 0 1,
    IF(c.xx.path(LEN-1)= "\";c.xx.path_">c.xx.path)),
DO(+C/DATE.INDEX(FROM),THRU)>>FROM 1,
    EDIVERT_OUTPUT,
    EWRITE_HEADER,
    ESEND_RECORDS,
    ETRANSMIT_FILE,
EXIT;

SEND.RECORDS
FROM-1>bar.dis.ser,
DO{ENext(bar.dis.ser,@discharge.x)'>THRU 1,
DO{ENext(account,@discharge.x) 1,
DO{ENext(txn.class) 1,
DO{ENext(txn.urn) 1,
IF(L("CRAP",@txn.type)<4 @SEND.EACH}}}}

```

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Build Array of Dates Many ways .. %Z.date.add

```
%BAR.PAT.zcus.is.muse2018.multiple.files.M.date.index(0)
```

If entire then end^/DATE.INDEX[start]

Daily go by 1's and build date pairs

If weekly, go by day, when DOW=7 file week
saturday^/DATE.INDEX[sunday]

If monthly add 1 to month, if 13, go to next
year 01, then subtract one day
end.month^/DATE.INDEX[start.month]

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Example - Monthly

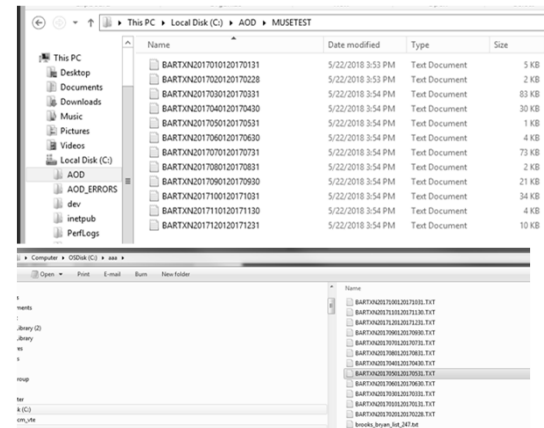
```

MONTHLY
c.xx.from$4>YEAR,
c.xx.from$3$2>MON,
YEAR_MON_01>c.xx.from>DATE,
DO{DATE'>c.xx.to 1,
    DATE$4>YEAR,
    DATE$3$2>MON,
    MON+1>MON, IF{MON>12 "01">MON, YEAR+1>YEAR},
    IF{L(MON)=1 "0"_"MON">MON},
    YEAR_MON_"01">NDATE,
    %Z.date.add(NDATE,0-1)>END,
    END>/DATE.INDEX[DATE],NDATE>DATE}

```

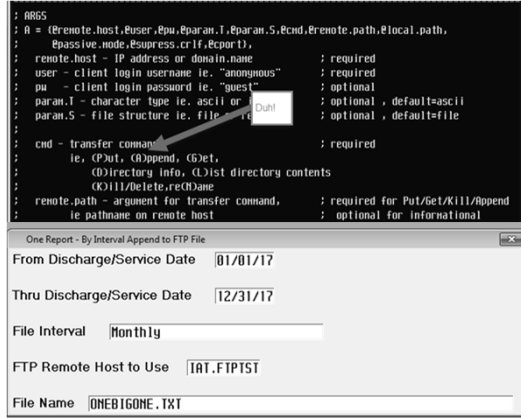
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FTP / or Download..to...Local Drive



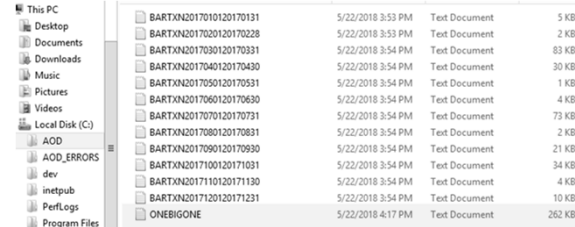
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Magic FTP with APPEND



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Sends 1 file per interval



```

IF (LEN>0 IF (FTPDIR\$(LEN)=1;"\";FTPDIR\_"\>FTPDIR)),
FTPDIR\_FNAME=FNAME,
$(FTP.GHT"$(IP,USER,PW,"I", "", "P", FNAME, SNAME, "", ""), 120, 0)X>RESULT
  
```

```

IF (LEN>0 IF (FTPDIR\$(LEN)=1;"\";FTPDIR\_"\>FTPDIR)),
FTPDIR\_c.xx.path=FNAME,
$(FTP.GHT"$(IP,USER,PW,"I", "", "A", FNAME, SNAME, "", ""), 120, 0)X>RESULT
  
```

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Client Server

Create File @File.create
 Write Records @File.open, @File.write
 Close File @File.close

Different syntax for "three tier" vs "two tier"

Since in C/S you write files natively, no need for a "write data in pieces to one big file"

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Three tier – what do you mean by the path..

```

CREATE FILE
FNAME@File.create
  
```

```

CREATE FILE THREE
@Execute.3tier(@Z.quote_FILE_@Z.quote_@Quote(@File.create))
  
```

```

OPEN FILE
FNAME@File.open
  
```

```

OPEN FILE THREE
@Execute.3tier(@Z.quote_FNAME_@Z.quote_@Quote(@File.open))
  
```

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C/S File Macros (circa 2003)

MagicCS NPR File Macros

Macro	Code
@Close.search.handle	@ZFC
@File.audit.trail	Call to %Z.file.audit
@File.attributes	@Fa
@File.close	@Fc
@File.copy	@FC
@File.create	@FA
@File.date	@Fd
@File.delete	@FD
@File.handle	@Fs
@File.move	@FM
@File.open	@Fo
@File.open.dialog	@FO
@File.open.exclusive	@Fx
@File.open.read.only	@Fi
@File.position.begin	@Fb
@File.position.end	@Fe
@File.position.next	@Fn
@File.position.pos	@Fp
@File.read	@Fr
@File.save.dialog	@FS
@File.size	@Fs
@File.truncate	@Ft
@File.utime.date	@Fu
@File.version	@FV
@File.write	@Fw
@First.file	@ZFF
@Next.file	@ZFN

For New MagicCS Programmers



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From 6.08 Site – Test Ring

Name	Date modified	Type	Size
BART\N2017010120170131	5/23/2018 1:26 PM	Text Document	125 KB
BART\N2017020120170228	5/23/2018 1:26 PM	Text Document	94 KB
BART\N2017030120170331	5/23/2018 1:26 PM	Text Document	3 KB
BART\N2017040120170430	5/23/2018 1:26 PM	Text Document	1 KB
BART\N2017050120170531	5/23/2018 1:27 PM	Text Document	399 KB
BART\N2017060120170630	5/23/2018 1:27 PM	Text Document	19 KB
BART\N2017070120170731	5/23/2018 1:27 PM	Text Document	14 KB
BART\N2017080120170831	5/23/2018 1:27 PM	Text Document	14 KB
BART\N2017090120170930	5/23/2018 1:27 PM	Text Document	70 KB
BART\N2017100120171031	5/23/2018 1:27 PM	Text Document	23 KB
BART\N2017110120171130	5/23/2018 1:27 PM	Text Document	11 KB
BART\N2017120120171231	5/23/2018 1:27 PM	Text Document	33 KB

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Report Designer.



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Print Assessments from Template

This article:

<https://www.meditech.com/meditechmagazine/pages/0612NprRw5.htm>.

This report from archive: #1385

Issues

Only works with PcsAcctAct.IntActivity

Only does 6 multiples

Does not use nested IF/DO

PcsAcctAct slow for more than 1 pt or short date range

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MIS.PRINT.SCREEN but for M/AT

Print an Entire M-AT CDS with query responses, using just one RD custom field and field attributes

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Sample screen – need to pull all responses

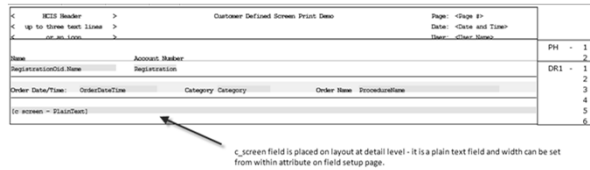
Setting up “c_field”

Add Customer Defined screen attribute
Specify Data Record
Either hard-code screen mnemonic or have rule return it

Rule to return OM procedure screen

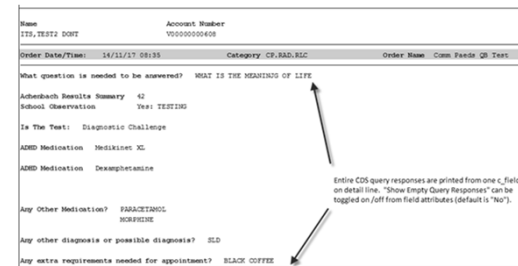
Subscript field “FacilityCustomDataScreen” from the OmOrdDict dictionary with the order procedure and order facility, using the current detail order

C_field is placed in a detail region on layout



c_screen field is placed on layout at detail level - it is a plain text field and width can be set from within attribute on field setup page.

All query responses returned



Entire CDS query responses are printed from one c_field on detail line. "Show Empty Query Responses" can be toggled on/off from field attributes (default is "No").

Quicker input of date/time values

How to prompt user for just a date range and add default values for the time to provide automatic 00:00 and 23:59.

Now users can use T-7 and T just like in the good old days

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Problem with just getting date range

There are times when we really just want to enter a date range when running a Report Designer report, but to have the report run quickly, the only index available to us is using a DateTime field than just Date

If we select on the DateTime field, then we are forced to enter the time range also, or risk missing the final 24 hours of the "thru" date etc.

If we select on the DATE version of the field, then the index does not use this and the report will not run any quicker than using no, or just as index-irrelevant, data fields as selection criteria.

Eg. I want all orders over a certain date range

I use the OmOrd.OrderDtTmX index and select on OrderDateTime

Pesky "Time" prompt is nagging me...

I entered T-7 for last 7 days, but then would have to enter a time as well, 0000 if I want to start at the very start of 7 days ago.

Default Time attribute to the rescue

I can actually default a time (in this case 0000 and 2359) using the attributes on each of my Date/Time range selections

New user prompt – only need to enter dates

Now, just entering "T-7" thru "T" will default these times in for me

RD Debugger

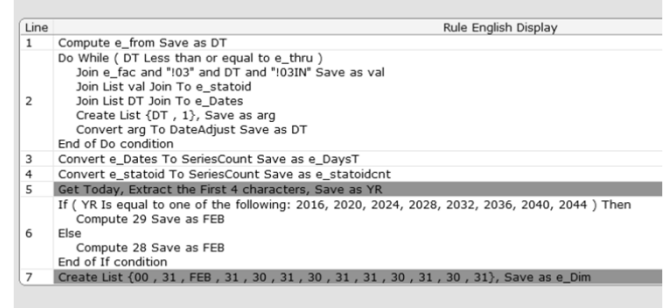
Save Rule as Draft

Then go into rule – highlight line for break and click debug – symbol will appear to right



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Then click on line again so it turns red.
You can then add break on multiple lines



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A few (Ugh) more steps..

File rule as draft

File report as draft

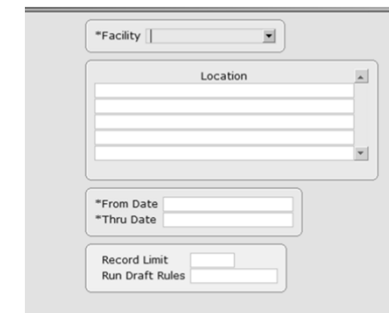
On general page – add attribute Diagnostic Mode Yes



File report as draft again

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Finally – when you run draft rule
you have extra options:



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Instead

Use print rules to control whether a print line or a download line prints

Use some math on printable characters to get a quote and tab into a download string

Now you have an "all in one" report that can be delimited download or print version.

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Build delimited header in rule

IsRwZmuseQuotesAndTabs - Is Rw Z MUSE Quotes And Tabs Last Edit: 02/09/18 16:16

Fields General Selects Sorts Regions Layout Rules Notes

Rule Name Used on Pages

Rule Name	Used on Pages
IsRw.MUSE.AddressLine	Fields (fdu)
IsRw.MUSE.DelimitedS...	Layout (Row-level) (fdu)
IsRw.MUSE.DelimitedN...	Layout (Row-level) (fdu)
IsRw.MUSE.HeaderLine	Fields (fdu)
IsRw.MUSE.PrintHeader	Regions (fdu)

(Hide Rule Logic)

Rule English Display

Line	Rule English Display
1	Compute "=" Save as SPACE
2	Compute "!" Save as TEMP
3	Compute TEMP + 1 Save as QUOTE
4	Compute "!" Save as TEMP
5	Compute TEMP + SPACE + SPACE Save as TAB
6	Join QUOTE and "NAME" and QUOTE Save as NAME
7	Join QUOTE and "ADDR1" and QUOTE Save as ADDR1
8	Join QUOTE and "ADDR2" and QUOTE Save as ADDR2
9	Join QUOTE and "CITY" and QUOTE Save as CITY
10	Join QUOTE and "STATE" and QUOTE Save as STATE
11	Join QUOTE and "ZIP" and QUOTE Save as ZIP
12	Join NAME and TAB and ADDR1 and TAB and ADDR2 and TAB and CITY and TAB and STATE and TAB and ZIP Save as TEMP

Similar technique to make delimited detail line (record)

IsRwZmuseQuotesAndTabs - Is Rw Z MUSE Quotes And Tabs Report Last Edit: 02/09/18 16:16 Rule Last Edit: 01/18/18 10:03

Main Fields Rule

New Undo Back Space Cancel Line Accept

Rule English Display

Line	Rule English Display
1	Compute "=" Save as SPACE
2	Compute "!" Save as TEMP
3	Compute TEMP + 1 Save as QUOTE
4	Compute "!" Save as TEMP
5	Compute TEMP + SPACE + SPACE Save as TAB
6	Join QUOTE and RegAct.Patient(V0) and QUOTE Save as NAME
7	Join QUOTE and RegAct.NameFull(V0) and QUOTE Save as ADDR1
8	Join QUOTE and HimRec.Address1(PAT) and QUOTE Save as ADDR2
9	Join QUOTE and HimRec.Address2(PAT) and QUOTE Save as ADDR2
10	Join QUOTE and HimRec.City(PAT) and QUOTE Save as CITY
11	Join QUOTE and HimRec.StateMnemonic(PAT) and QUOTE Save as STATE
12	Join QUOTE and HimRec.Zip(PAT) and QUOTE Save as ZIP
13	Join NAME and TAB and ADDR1 and TAB and ADDR2 and TAB and CITY and TAB and STATE and TAB and ZIP Save as TEMP

Two ignore fields Delimited Output / Include Headers

IsRwZmuseQuotesAndTabs - Is Rw Z MUSE Quotes And Tabs Temporary Sort Last Edit: 03/27/18 11:35

Fields General Selects Sorts Regions Layout Rules Notes

Record

Select Field	Screen Label	Operator	New Block	Hide
RegAct.Main	RegistrationDate	From Registration Date	<input type="checkbox"/>	<input type="checkbox"/>
RegAct.Main	RegistrationDate	Thru Registration Date	<input type="checkbox"/>	<input type="checkbox"/>
Ptemp.Temp	c.delimited	Tab-delimited output?	<input type="checkbox"/>	<input type="checkbox"/>
Ptemp.Temp	c.printheader	Print column headers?	<input type="checkbox"/>	<input type="checkbox"/>

prompt similarly whether to print column headers

Attribute Default Value Override Value Rule

Attribute	Default Value	Override Value	Rule
Default Value	Y		
Length	4	none	
Value		RegAct.Main	
With		c.printheader	
External Variable			

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Rule to control header printing

IsRwZmuseQuotesAndTabs - IsRwZ MUSE Quotes And Tabs
Report Last Edit: 03/27/18 11:59
Rule Last Edit: 01/18/18 09:59

Main Fields Rule

New Undo Back Space Cancel Line Accept

Line Rule English Display

If (e_printheader Is equal to "Y") Then
Compute Ok Save as OUT
check whether to print header region
Else
Compute NotOk Save as OUT
End of If condition
Set program result to: OUT
Program Result line not required technically (last statement IS program

Rule to control delimited vs print format

IsRwZmuseQuotesAndTabs - IsRwZ MUSE Quotes And Tabs
Report Last Edit: 03/27/18 11:59
Rule Last Edit: 03/29/18 10:46

Main Fields Rule

New Undo Back Space Cancel Line Accept

Line Rule English Display

If (e_delimited Is equal to "Y") Then
Compute Ok Save as OUT
Else
Compute NotOk Save as OUT
End of If condition
(similar rule constructed to check if e_delimited = "N")

External variable tied to format option

IsRwZmuseQuotesAndTabs - IsRwZ MUSE Quotes And Tabs
Temporary Sort Last Edit: 03/27/18 11:59

Fields General Selects Sorts Regions Layout Rules Notes

Record Select Field Screen Label Operator New Block Hide

RegAcct: Main	RegistrationDate	From Registration Date	Greater than or ...	<input type="checkbox"/>	<input type="checkbox"/>
RegAcct: Main	RegistrationDate	Thru Registration Date	Less than or equ...	<input type="checkbox"/>	<input type="checkbox"/>
Ptemp: Temp	c_delimited	Tab-delimited output?	Ignore	<input type="checkbox"/>	<input type="checkbox"/>
Ptemp: Temp	c_printheader	Print column headers?	Ignore	<input type="checkbox"/>	<input type="checkbox"/>

ask whether to create tab-delimited

associate external variable with select field
(Rule using external variable has to exist FIRST)

Attribute	Default Value	Override Value	Rule
Default Value		Y	
Length	4		
Value		none	
With		RegAcct: Main	
External Variable		c_delimited	

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Layout

Shows regions for delimited vs print lines

IsRwZmuseQuotesAndTabs - KH1 region prints if e_PrintHeader = "Y"
Last Edit: 02/09/18

Name Address Address2 City State Zip KH1 - 1"

NameFull Address1 Address2 City St Zip KH3 - 1"

c_output alternate rows print depending on e_Delimited (Y or N) DBA - 1"

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Output delimited format

TABS - Notepad

NAME	ADDR1	ADDR2	CITY	STATE	ZIP
"TEST FOSTER"	"10 TESTING WAY"	"	"BOSTON"	"MA"	"02052"
"TEST2 GECPN"	"1"	"	"KERRVILLE"	"TX"	"78028"
"BABY GIRL MENCHACA"	"123 MAIN ST"	"	"KERRVILLE"	"TX"	"78028"
"TEST MOM MENCHACA"	"123 MAIN ST"	"	"KERRVILLE"	"TX"	"78028"
"Alice Test Sedona"	"	"	"	"	"
"Ben Test Sedona"	"	"	"	"	"
"Linda Test Sedona"	"	"	"	"	"
"Louis Test Sedona"	"	"	"	"	"
"Mary Sedona"	"	"	"	"	"
"Mary Test Sedona"	"	"	"	"	"
"Richard Test Sedona"	"1234 Main St"	"	"Kerrville"	"TX"	"78028"
"Riley Test Sedona"	"1234 Main St"	"	"Kerrville"	"TX"	"78028"
"Robert Test Sedona"	"	"	"	"	"
"Sam Test Sedona"	"1234 N West"	"	"Kerrville"	"TX"	"78029"
"Sheldon Test Sedona"	"	"	"	"	"
"Revenue Site"	"111 MAIN ST"	"	"KERRVILLE"	"TX"	"78028"
"BABY BOY TEST"	"1"	"	"KERRVILLE"	"TX"	"78028"
"BABYGIRL TEST"	"1"	"	"KERRVILLE"	"TX"	"78028"
"BED1 TEST"	"1"	"	"KERRVILLE"	"TX"	"78028"
"BED2 TEST"	"1"	"	"KERRVILLE"	"TX"	"78028"
"BLDTRANS2 TEST"	"1"	"	"KERRVILLE"	"TX"	"78028"
"CDU TEST"	"1"	"	"KERRVILLE"	"TX"	"78028"
"IN8 TEST"	"1"	"	"INGRAM"	"TX"	"78025"
"Insurance test"	"32 Main St"	"	"BOSTON"	"MA"	"01258"
"LAB TEST"	"1"	"	"Center Point"	"TX"	"78010"
"LAB2 TEST"	"78010"	"	"INGRAM"	"TX"	"78025"
"MOMMY TEST"	"1"	"	"KERRVILLE"	"TX"	"78028"
"PCA TEST"	"1"	"	"KERRVILLE"	"TX"	"78028"
"PHARM TEST"	"132"	"	"KERRVILLE"	"TX"	"78028"
"Rule Test"	"1"	"	"KERRVILLE"	"TX"	"78028"
"SECLOC TEST"	"1"	"	"COMFORT"	"TX"	"78013"
"SECLOC2 TEST"	"1"	"	"Center Point"	"TX"	"78010"
"SECLOC3 TEST"	"1"	"	"INGRAM"	"TX"	"78025"
"TEST TEST"	"123 MAIN"	"	"KERRVILLE"	"TX"	"78028"
"TEST TEST"	"123 TOMATO LANE"	"	"MALIBU"	"TX"	"12844"
"TX TEST"	"22 WALL STREET"	"	"HOUSTON"	"TX"	"78028"
"KEVIN TESTIME"	"555 South Main Street"	"	"KERRVILLE"	"TX"	"78028"
"OSGN TRAINING"	"	"	"	"	"

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Flexible Grid Format of output via rules - Here by 2 hr period

Discharges by Attending Physician
From Discharge Date 05/20/15 Through 02/13/18

Page: 2

	0000 - 0200	0200 - 0400	0400 - 0600	0600 - 0800	0800 - 1000	1000 - 1200	1200 - 1400	1400 - 1600	1600 - 1800	1800 - 2000	2000 - 2200	2200 - 2359
Daugherty, Valerie K	0	0	0	0	1	1	1	0	0	0	0	0
Deager, Sandra L	0	0	0	0	0	0	1	0	0	0	0	0
Elgjo, Frank Ann A	0	0	0	0	0	0	0	1	0	0	0	0
Farmer, Michelle Z	0	0	0	0	0	0	1	0	1	0	0	0
Gimpel, Pam/Jill	0	0	0	0	0	0	1	0	0	0	0	0
Itin, Newell S	0	0	0	0	0	0	1	0	1	0	0	0
Jackson, Rose B	0	0	0	0	1	0	0	0	0	0	0	0
McNEESON	0	0	0	0	0	0	1	0	0	0	0	0
Mitchell, Ricardo A	0	0	0	0	0	0	0	0	0	0	0	0
Moore, Jeffrey F	0	0	0	0	1	1	0	0	0	0	0	0
Nolan, Ralph J	0	0	0	0	0	0	1	0	0	0	0	0
Rodriguez, David A	0	0	0	0	0	1	1	1	0	0	0	0
Walters, Elizabeth R	0	0	0	0	1	1	0	0	0	0	0	0
Young, James A	0	0	0	0	0	1	1	2	0	0	0	0

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Or here by 6 hour periods..

Discharges by Attending Physician
From Discharge Date 05/20/15 Through 02/13/18

	0000 - 0600	0600 - 1200	1200 - 1800	1800 - 2359
Daugherty, Valerie K	0	2	1	0
Deager, Sandra L	0	0	1	0
Elgjo, Frank Ann A	0	0	1	0
Farmer, Michelle Z	0	0	2	0
Gimpel, Pam/Jill	0	0	1	0
Itin, Newell S	0	0	2	0
Jackson, Rose B	0	1	0	0
McNEESON	0	0	1	0
Mitchell, Ricardo A	0	2	0	0
Moore, Jeffrey F	0	2	2	0
Nolan, Ralph J	0	0	1	0
Rodriguez, David A	0	1	2	0
Walters, Elizabeth R	0	2	0	0
Young, James A	0	1	7	0

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On Entry rule to build 2 hour slots x 12

IsRwMuseDischTimeGridByAttending - Is Rw Z MUSE Discharge Time Grid By Attending
Report Last Edit: 03/07/18 10:10
ISKFT000026 - IsRw.MUSE.BuildTimeSlots

Main Fields Rule

New Undo Back Space Cancel Line Accept

Line

Rule English Display

1 Compute Nil Save as e_Slots

2 Create List ("0000", "0159"), Save as TEMP

3 Join List TEMP Join To e_Slots

4 Create List ("0200", "0359"), Save as TEMP

5 Join List TEMP Join To e_Slots

6 Create List ("0400", "0559"), Save as TEMP

7 Join List TEMP Join To e_Slots

8 Create List ("0600", "0759"), Save as TEMP

9 Join List TEMP Join To e_Slots

10 Create List ("0800", "0959"), Save as TEMP

11 Join List TEMP Join To e_Slots

12 Create List ("1000", "1159"), Save as TEMP

13 Join List TEMP Join To e_Slots

14 Create List ("1200", "1359"), Save as TEMP

15 Join List TEMP Join To e_Slots

16 Create List ("1400", "1559"), Save as TEMP

17 Join List TEMP Join To e_Slots

18 Create List ("1600", "1759"), Save as TEMP

19 Join List TEMP Join To e_Slots

20 Create List ("1800", "1959"), Save as TEMP

21 Join List TEMP Join To e_Slots

22 Create List ("2000", "2159"), Save as TEMP

23 Join List TEMP Join To e_Slots

24 Create List ("2200", "2359"), Save as TEMP

25 Join List TEMP Join To e_Slots

Call this rule on General tab of report (On Entry)

Set up desired time slots (begin/end pairs) in external variable, e_Slots

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On Entry rule to build 6 hour slots x 4

IsRwMuseDischTimeGridByAttending - Is Rw Z MUSE Discharge Time Grid By Attending
Report Last Edit: 03/07/18 10:26
ISKFT00041 - IsRw.MUSE.BuildTimeSlotsAlt

Main Fields Rule

New Undo Back Space Cancel Line Accept

Line

Rule English Display

1 Compute Nil Save as e_Slots

2 Create List ("0000", "0559"), Save as TEMP

3 Join List TEMP Join To e_Slots

4 Create List ("0600", "1159"), Save as TEMP

5 Join List TEMP Join To e_Slots

6 Create List ("1200", "1759"), Save as TEMP

7 Join List TEMP Join To e_Slots

8 Create List ("1800", "2359"), Save as TEMP

9 Join List TEMP Join To e_Slots

alternate setup using 4 time slots

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Detail rule – load the grid per record

IsRw.MUSEDischTimeGridByAttending - IsRw Z MUSE Discharge Time Grid By Attending Report Last Edit: 03/07/18 10:19
IsRw.MUSEDischTimeGridByAttending - IsRw MUSE DischByAttending Rule Last Edit: 03/07/18 10:19

1 Convert e_Slots To SeriesCount Save as COUNT
2 Create List (Repeat AttendingProvider(V0)) Save as SEARCH (a list)
3 From e_PhysList, Locate the starting position of SEARCH, Save as FOUND
4 Compute "Provider has to be saved as a list, to search within e_PhysList, CONTAINING lists that have Providers
5 as first elements" Save as A_COMMENT
6 Convert e_PhysList To SeriesCount Save as PHYSLISTCOUNT
7 Compute "create entry for PHYS if not already in e_PhysList" Save as A_COMMENT
8 Compute "insert as many zeroes as there are time slots in e_Slots" Save as A_COMMENT
9 Compute Nil Save as LIST1
10 Compute 0 Save as I
11 Do While (I Less than COUNT And ((e_PhysList Does not exist) Or (FOUND Is equal to PHYSLISTCOUNT)))
12 Join List 0 Join To LIST1
13 Compute I + 1 Save as I
14 End of Do condition
15 If (e_PhysList Does not exist) Or (FOUND Is equal to PHYSLISTCOUNT) Then
16 Insert List RepeatAttendingProvider(V0) Infront To LIST1
17 Join List LIST1 Join To e_PhysList
18 End of If condition
19 Compute Nil Save as SLOT
20 Compute 0 Save as I
21 Compute "Find correct slot for discharge time" Save as A_COMMENT
22 Compute RepeatDischargeTime(V0) Save as DISTM
23 Do While (I Less than COUNT And (SLOT Does not exist))
24 Compute e_Slots Offset I Save as BEG
25 Compute LIST1 Offset 0 Save as END
26 If (BEG Less than END) And (DISTM Greater than or equal to BEG) And (DISTM Less than or equal to END)
27 Then
28 Compute I Save as SLOT
29 End of If condition
30 If (BEG Greater than END) And ((DISTM Greater than or equal to BEG) Or (DISTM Less than or equal to
31 END)) Then
32 Compute I Save as SLOT
33 End of If condition
34 Compute I + 1 Save as I
35 End of Do condition
36 Convert e_PhysList To SeriesCount Save as PHYSLISTCOUNT
37 From e_PhysList, Locate the starting position of SEARCH, Save as FOUND
38 Compute "guaranteed to be found, because if it wasn't found before, we added it to e_PhysList" Save as
39 A_COMMENT
40 Compute e_PhysList Offset FOUND Save as LIST1
41 Compute "SLOT + 1 Save as DISPOS
42 Compute LIST1 Offset DISPOS Save as DISCHARGES
43 Compute "then rewrite e_PhysList save for 'FOUND' position -- rewrite new LIST2 in its place" Save as
44 A_COMMENT
45 Compute Nil Save as NEWPHYSLIST
46 Do While (I Less than PHYSLISTCOUNT)
47 If (I Is not equal to FOUND) Then
48 Compute e_PhysList Offset I Save as TEMP
49 Join List TEMP Join To NEWPHYSLIST
50 Else
51 Join List LIST2 Join To NEWPHYSLIST
52 End of If condition
53 Compute I + 1 Save as I
54 End of Do condition
55 Compute NEWPHYSLIST Save as e_PhysList

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Detail rule continued..

22 Compute LIST1 Offset DISPOS Save as DISCHARGES
23 Compute DISCHARGES + 1 Save as DISCHARGES
24 Compute "next, rebuild first this Provider's entry (LIST1) with updated DISCHARGES number" Save as A_COMMENT
25 Convert LIST1 To SeriesCount Save as COUNT
26 Compute Nil Save as LIST2
27 Compute 0 Save as I
28 Do While (I Less than COUNT)
29 If (I Is equal to DISPOS) Then
30 Join List DISCHARGES Join To LIST2
31 Else
32 Compute LIST1 Offset I Save as TEMP
33 Join List TEMP Join To LIST2
34 End of If condition
35 Compute I + 1 Save as I
36 End of Do condition
37 Compute "then rewrite e_PhysList save for 'FOUND' position -- rewrite new LIST2 in its place" Save as
38 A_COMMENT
39 Compute Nil Save as NEWPHYSLIST
40 Do While (I Less than PHYSLISTCOUNT)
41 If (I Is not equal to FOUND) Then
42 Compute e_PhysList Offset I Save as TEMP
43 Join List TEMP Join To NEWPHYSLIST
44 Else
45 Join List LIST2 Join To NEWPHYSLIST
46 End of If condition
47 Compute I + 1 Save as I
48 End of Do condition
49 Compute NEWPHYSLIST Save as e_PhysList

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Now build output in trailer rule

IsRw.MUSEDischTimeGridByAttending - IsRw Z MUSE Discharge Time Grid By Attending Report Last Edit: 03/07/18 10:19
IsRw.MUSEDischTimeGridByAttending - IsRw MUSE DischByAttending Rule Last Edit: 02/13/18 12:12

1 Line
2 Convert e_Slots To SeriesCount Save as COUNT
3 Compute "Count how many time slots we have set up" Save as A_COMMENT
4 Convert e_PhysList To SeriesCount Save as PHYSLISTCOUNT
5 Compute " Save as SPACES
6 Compute "reserve 30 spaces for physician names" Save as A_COMMENT
7 Compute SPACES Save as e_Header
8 Compute 0 Save as I
9 Do While (I Less than COUNT)
10 Compute "Set up column headers for each time slot" Save as A_COMMENT
11 Compute e_Slots Offset I Save as LIST1
12 Compute LIST1 Offset 0 Save as BEG
13 Compute LIST1 Offset 1 Save as END
14 Join " " and BEG and " " and END Save as TEMP
15 Join e_Header and TEMP Save as e_Header
16 Compute I + 1 Save as I
17 End of Do condition
18 Compute 0 Save as I
19 Do While (I Less than PHYSLISTCOUNT)
20 Compute "For each sublist, format the accumulated counts per time slot." Save as A_COMMENT
21 Compute e_PhysList Offset I Save as LIST1
22 Compute LIST1 Offset 0 Save as PROV
23 If (MIPersonName(PROV) Exists) Then
24 Compute MIPersonName(PROV) Save as PROV
25 End of If condition
26 Join PROV and SPACES Save as TEMP
27 Get TEMP, Extract the First 30 characters, Save as TEMP
28 Join TEMP and " " Save as TEMP
29 Compute 0 Save as J
30 Do While (J Less than COUNT)
31 Compute J + 1 Save as SLOT
32 Compute LIST1 Offset SLOT Save as DISCHARGES
33 Join SPACES and DISCHARGES Save as DISCHARGES
34 Get DISCHARGES, Extract the Last 11 characters, Save as DISCHARGES
35 Join TEMP and " " and DISCHARGES and " " Save as TEMP
36 Compute J + 1 Save as J
37 End of Do condition
38 Join List TEMP Join To e_Detail
39 Compute I + 1 Save as I
40 End of Do condition

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Tips for lists and loops in RD
See Word Document on our web site
with this presentation..



Thank You!

This Powerpoint, all report files (NPR/RD), and the Word document with information on RD loops and lists all on our web site here..

<https://new.iatric.com/muse-info>

If you forget, just search for "muse" on our main website www.iatric.com



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x

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