REPORT BUILDER

GRASP DATA

State of the Art Web-based Management Reporting Product

Recommended screen resolution 1024 x 768

(Locate on desktop under Control Panel / Display Settings)
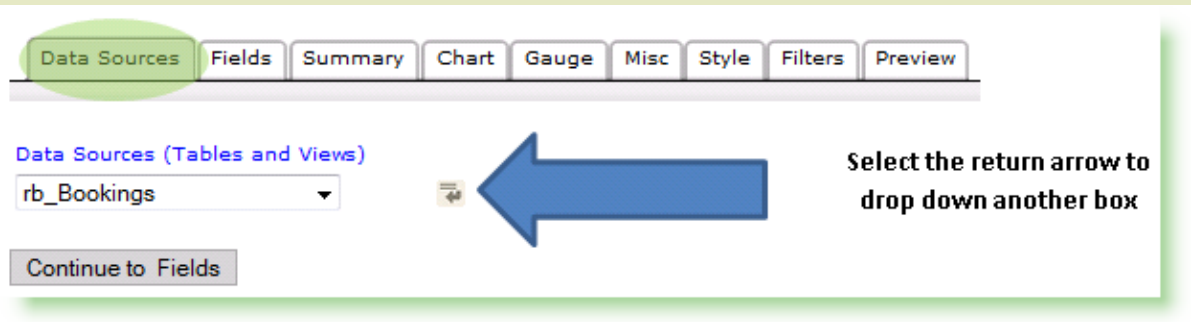
Website: **www.graspdata.com**

Report Builder Advanced

UDID's Over 100 – Column Grouping – Field Value – Expressions

Recommended Prerequisite Course: Report Builder – Designing A Report

- ❖ **Adding UDID's Over 100**
    - o Data Sources Tab
    - o Open New Data Source
    - o Select 'rb_UDIDs' From Drop Down List
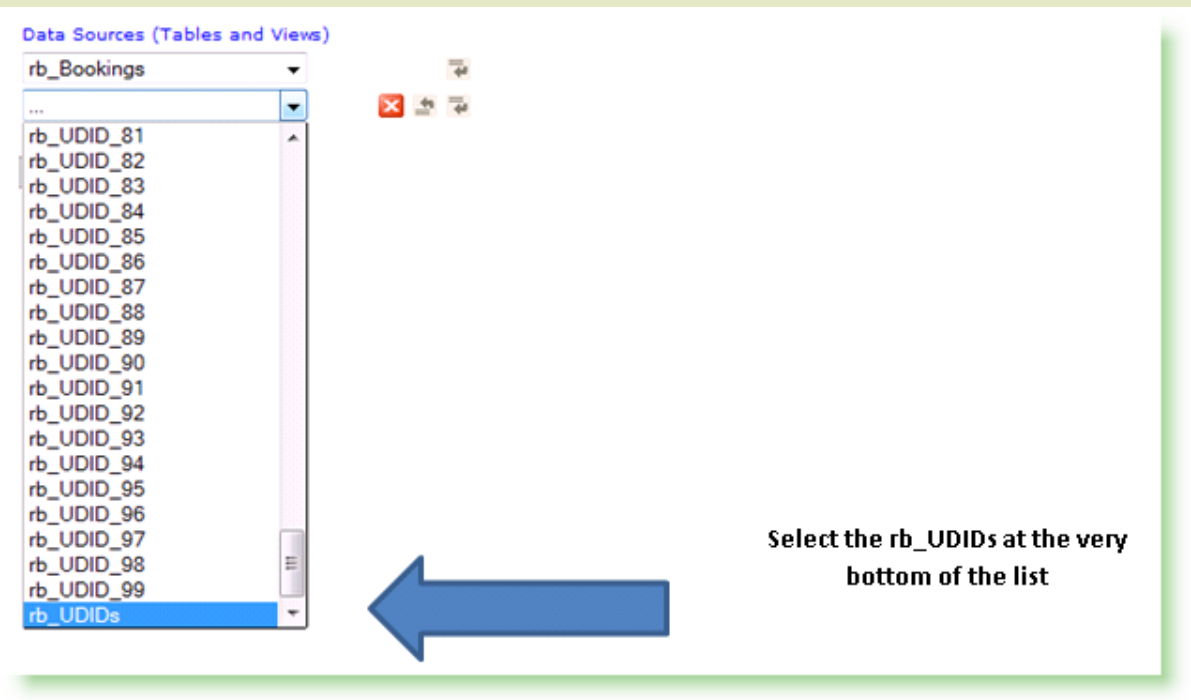   - o Select One For Each UDID Over 100

Select the return arrow to drop down another box

Select the rb_UDIDs at the very bottom of the list

Grasp Data Report Builder Instructions Page 1 – Continues on Page 2

REPORT BUILDER

Data Sources (Tables and Views)

rb_Bookings						
rb_UDIDs	. 0_LINK_BookingID	= rb_Bookings	. 0_LINK_BookingID	Inner (Direct ▼)		
rb_UDIDs	. 0_LINK_BookingID	= rb_UDIDs	. 0_LINK_BookingID	Inner (Direct ▼)		

- o Building A Detail Report
  - ▪ Fields Tab
  - ▪ Field Selection = UDID Value
  - ▪ Multiple UDID's Over 100 = Repeat Adding the Field
  - ▪ Description is Free Form To Describe The UDID

Data Sources	Fields	Summary	Chart	Gauge	Misc	Style	Filters	Preview

UDID Value

- Unused E-Ticket Expiration Date
- Unused E-Ticket GDS
- Unused E-Ticket Used Date
- Vendor Address
- Vendor City
- Vendor Code
- Vendor Country Code
- Vendor InterfaceID
- Vendor Name
- Vendor Payment Date
- Vendor Payment Status
- Vendor Phone
- Vendor Remarks
- Vendor State
- Vendor Zip

rb_UDIDs
- 0_LINK_BookingID
- AccountID
- UDID Number
- **UDID Value**

Summary   Preview

If you want to pull the value of a UDID then select UDID Value.

UDID Value | Airline LF

- ▪ Define UDID's For Your Report
  - • Filters Tab

Data Sources	Fields	Summary	Chart	Gauge	Misc	Style	Filters	Preview

REPORT BUILDER

UDID Number | Equals (Select)
- Vendor Code
- Vendor Country Code
- Vendor InterfaceID
- Vendor Name
- Vendor Payment Date
- Vendor Payment Status
- Vendor Phone
- Vendor Remarks
- Vendor State
- Vendor Zip

rb_UDIDs
- 0_LINK_BookingID
- AccountID
- UDID Number
- UDID Value

rb_UDIDs2
- 0_LINK_BookingID
- AccountID
- UDID Number
- UDID Value

Please note as the additional UDID is labeled as UDIDs2, then select UDID Number

1	UDID Number	Equals (Popup)	...	☐	☑
2	UDID Number	Doesn't Equal (Popup)	...	☐	☑
3	...	...		☐	☑

☐ Show Filters In Report Description

Require [...] Parameters in Viewer

Filter Logic [Ex (1 OR 2) AND (3 OR 4)]

☐1 ☐2 ☐3
☐4 ☐6 ☐15
☐19 ☐20 ☐21
☐22

[OK] [Cancel]

- Select UDID Number From Drop Down Box
- Operator – Example of Equals Popup
- Select From Popup Box

❖ **Column Grouping**

		Transactions		Sales	
Account Name	**Trans Type**	**# of Trans**	**% of Trans**	**Sales**	**% of Sales**
ABC Company 178	Exchange	25	1.1%	$4,144.33	0.6%
ABC Company 18223	Exchange	28	1.2%	$5,895.04	0.8%
ABC Company 18228	Exchange	14	0.6%	$2,292.67	0.3%
ABC Company 178	Refund	5	0.2%	($2,731.44)	-0.4%
ABC Company 18754	Refund	2	0.1%	($731.60)	-0.1%
ABC Company 178	Sale	929	39.8%	$340,720.47	47.6%
ABC Company 18223	Sale	928	39.7%	$228,728.46	31.9%
ABC Company 18228	Sale	396	17.0%	$134,914.99	18.8%
ABC Company 18754	Sale	9	0.4%	$3,216.67	0.4%
		2,336	100%	$716,449.59	100%

Summary Example Above
Detail Example Next Page

REPORT BUILDER

ABC Company 178

Invoice	Tck / Conf	Vendor ▲	# of Trans	% of Trans	Sales	% of Sales
		Airline		Transactions		Sales
176853	4733932535	AMERICAN AIRLINES	1	4.5%	$431.51	4.8%
176835	4733932534	AMERICAN AIRLINES	1	4.5%	$318.50	3.5%
176406	4713013171	AMERICAN AIRLINES	1	4.5%	$868.94	9.7%
176381	4713013170	AMERICAN AIRLINES	1	4.5%	$317.00	3.5%
176019	4713013159	AMERICAN AIRLINES	1	4.5%	$450.00	5.0%
176017	4713013159	AMERICAN AIRLINES	1	4.5%	$646.00	7.2%
175941	4713013155	AMERICAN AIRLINES	1	4.5%	$129.50	1.4%
175458	4712884883	AMERICAN AIRLINES	1	4.5%	$273.00	3.0%
175431	4712884881	AMERICAN AIRLINES	1	4.5%	$423.00	4.7%
174665	4712744900	AMERICAN AIRLINES	1	4.5%	$459.00	5.1%
571172	4474060866	AMERICAN AIRLINES	1	4.5%	$393.46	4.4%
174236	4712598055	AMERICAN AIRLINES	1	4.5%	$340.00	3.8%
174220	4712598054	AMERICAN AIRLINES	1	4.5%	$345.50	3.8%
174124	4712598050	AMERICAN AIRLINES	1	4.5%	$330.00	3.7%
174349	4712598062	AMERICAN AIRLINES	1	4.5%	$224.00	2.5%
176994	4733932539	AMERICAN AIRLINES	1	4.5%	$553.00	6.1%
176553	4713168553	AMERICAN AIRLINES	1	4.5%	$328.00	3.6%
177228	4812689902	AMERICAN AIRLINES	1	4.5%	$0.00	0.0%
177174	4733932545	AMERICAN AIRLINES	1	4.5%	$553.00	6.1%
177331	4734275752	AMERICAN AIRLINES	1	4.5%	$644.46	7.2%
177244	4733932549	AMERICAN AIRLINES	1	4.5%	$623.00	6.9%
174059	4712447446	AMERICAN AIRLINES	1	4.5%	$345.50	3.8%
4264690			22	100%	$8,996.37	100%

- Allows For Common Labeling On Single And Multiple Columns
- Cannot Be Used In Pivot Tables
- Design Report In Fields or Summary Tab
- Create Report

Field	Description	Sort	✓	X	Function	Format	
Account Name	Account Name	☑	☑	☐	...	...	❌
Invoice Number	Invoice	☐	☐	☐	...	...	❌
Document Number	Tck / Conf	☐	☐	☐	...	...	❌
Vendor Name	Vendor	☑	☐	☐	...	...	❌
NetTransactionCount	# of Trans	☐	☐	☐	...	0,000	❌
NetTransactionCount	% of Trans	☐	☐	☐	...	% of Group (with rounding)	❌
Total Paid	Sales	☐	☐	☐	...	$0.00	❌
Total Paid	% of Sales	☐	☐	☐	...	% of Group (with rounding)	❌
...		☐	☐	☐	...	...	❌

☑ Add Subtotals

[Quick Add] [Add Pivot] [Continue to Summary] [Preview]

- o Open Advanced Tab For Field Needing Column Header
  - • Name In Column Group

Column Group	Transactions
Hide this field	☐
Sort (z-a)	☐
Italic	☐
Bold	☐
Width	
Label Justification	M
Value Justification	☐
Subreport	... ▼
Drill-Down Style	... ▼
Url	example:Page.aspx?id={0}&value={1}
Subtotal Function	(Default) ▼
Gradient Cells Shading	☐
Expression	example:COUNT(A) + SUM(B)

OK

- • Ok
- • Repeat In Advance Tab For Each Field Applicable

Hint: Best To Use Copy & Paste When Using Column Header In More Than One Field

- ❖ **Field Value**
  - o Allows You To Create 1, 2, 3 and 4 Columns In Your Report
  - o Located In The Style Tab
  - o Create Report

Field	Description	Sort	Va	X	Function	Format					
Account Name	Account Name	☑	☑	☐	... ▼	... ▼	❌	⬆	⬇	⚙	↕
Invoice Number	Invoice	☐	☐	☐	... ▼	... ▼	❌	⬆	⬇	⚙	↕
Document Number	Tck / Conf	☐	☐	☐	... ▼	... ▼	❌	⬆	⬇	⚙	↕
Vendor Name	Vendor	☑	☐	☐	... ▼	... ▼	❌	⬆	⬇	⚙	↕
NetTransactionCount	# of Trans	☐	☐	☐	... ▼	0,000 ▼	❌	⬆	⬇	⚙	↕
NetTransactionCount	% of Trans	☐	☐	☐	... ▼	% of Group (with rounding) ▼	❌	⬆	⬇	⚙	↕
Total Paid	Sales	☐	☐	☐	... ▼	$0.00 ▼	❌	⬆	⬇	⚙	↕
Total Paid	% of Sales	☐	☐	☐	... ▼	% of Group (with rounding) ▼	❌	⬆	⬇	⚙	↕
...		☐	☐	☐	... ▼	... ▼	❌	⬆	⬇	⚙	↕

☑ Add Subtotals

Quick Add | Add Pivot | Continue to Summary | Preview

REPORT BUILDER

REPORT BUILDER

| Data Sources | Fields | Summary | Chart | Gauge | Misc | **Style** | Filters | Preview |

Report order
Detail
Chart
Gauges
Summary

Field|Value column pairs
4
☑ Show main report in Field | Value style
☐ Show summary report in Field | Value style

Continue to Filters   Preview

- Select Number of Columns To Appear In Report
- Select If You Want Columns In Your Field Tab And / Or Summary Tab
- Example Selected 4 Columns

Field Value
Demo, Inc.

Transaction Type =
Exchange,Refund,Sale
Issued Date Between 10/1/2014
10/31/2014

Account Name	ABC Company 178	Trans Type	Exchange	# of Trans	25	% of Trans	1.1%
Sales	$4,144.33	% of Sales	0.6%				
Account Name	ABC Company 18223	Trans Type	Exchange	# of Trans	28	% of Trans	1.2%
Sales	**1** $5,895.04	% of Sales	**2** 0.8%	**3**		**4**	
Account Name	ABC Company 18228	Trans Type	Exchange	# of Trans	14	% of Trans	0.6%
Sales	$2,292.67	% of Sales	0.3%				
Account Name	ABC Company 178	Trans Type	Refund	# of Trans	5	% of Trans	0.2%
Sales	($2,731.44)	% of Sales	-0.4%				

REPORTS

- ❖ **Expressions**
  - o Allows You To Alter Field Results
  - o Uses Data Source Tables
  - o Located In The Fields Advanced Tab
  - o Arithmetic Example
    - ▪ Data Source: rb_bookings
    - ▪ Field: Booking Duration
    - ▪ Pre-calculated field = End Date – Start Date
  - o Client would like (End Date – Start Date) + 1 day

Expressions 1
Demo, Inc.

Issued Date Between 10/1/2014
10/31/2014

Account Type	Passenger	Low Fare	Total Paid	Booking Duration	Duration
C	FULLER/MICHAEL DR	$519.00	$519.00	2	3
C	FULLER/MICHAEL DR	$0.00	$95.00	2	3
C	FULLER/MICHAEL DR	$0.00	$86.00	1	2
C	CRAWFORD/CHRISTY	$0.00	$479.98	2	3
C	BARCHI/DAVID W	$528.00	$527.50	2	3
C	REGO/CLAIRE	$135.50	$159.00	2	3
C	REGO/CLAIRE	$0.00	$82.94	1	2
C	REGO/CLAIRE	$0.00	$76.09	1	2
C	YONEHIRO/HAROLD D	$0.00	$135.00	1	2
C	WRIGHT/TERRI R	$177.00	$177.00	1	2
C	WRIGHT/TERRI R	$0.00	$57.50	1	2

- o Client would like (End Date – Start Date) + 1 day
- o Client would like Cost Per Day

[rb_bookings.Total Paid] / (1 + [rb_bookings.Booking Duration])

Field	Description	Sort			Function	Format		
Account Type	Account Type	□	□	□	...	...		
Traveler Name	Passenger	□	□	□	...	...		
Low Fare	Low Fare	□	□	□	...	$0.00		
Total Paid	Total Paid	□	□	□	...	$0.00		
Booking Duration	Booking Duratic	□	□	□	...	0,000		
Booking Duration	Duration	□	□	□	...	0,000		
Booking Duration	Cost Per Day	□	□	□	...	$0.00		
...		□	□	□	...	...		

□ Add Subtotals

REPORTS

REPORTS

Column Group	
Hide this field	☐
Sort (z-a)	☐
Italic	☐
Bold	☐
Width	
Label Justification	M
Value Justification	M
Subreport	... ▼
Drill-Down Style	... ▼
Url	example:Page.aspx?id={0}&value={1}
Subtotal Function	(Default) ▼
Gradient Cells Shading	☐
Expression	[rb_bookings.Total Paid] / (1 + [rb_booking

OK

Expressions 2
Demo, Inc.

Issued Date Between
10/1/2014 10/31/2014

Account Type	Passenger	Low Fare	Total Paid	Duration	Cost Per Day
C	FULLER/MICHAEL DR	$519.00	$519.00	3	$173.00
C	FULLER/MICHAEL DR	$0.00	$95.00	3	$31.67
C	FULLER/MICHAEL DR	$0.00	$86.00	2	$43.00
C	FULLER/MICHAEL DR	$0.00	$86.00	2	$43.00
C	CRAWFORD/CHRISTY	$0.00	$479.98	3	$159.99
C	BARCHI/DAVID W	$528.00	$527.50	3	$175.83
C	REGO/CLAIRE	$135.50	$159.00	3	$53.00
C	REGO/CLAIRE	$0.00	$82.94	2	$41.47
C	REGO/CLAIRE	$0.00	$76.09	2	$38.05
C	YONEHIRO/HAROLD D	$0.00	$135.00	2	$67.50

- o Example Multiple Fields in One Column
  - ▪ Data Source: rb_bookings
  - ▪ Fields: Vendor City + Vendor State

[rb_bookings.Vendor City] + ', ' + [rb_bookings.Vendor State]

Account Type ▼	Account Type	☐ ☐ ☐	... ▼	... ▼	❌ ⬆ ⬇ ⚙ ↕
Traveler Name ▼	Passenger	☐ ☐ ☐	... ▼	... ▼	❌ ⬆ ⬇ ⚙ ↕
Low Fare ▼	Low Fare	☐ ☐ ☐	... ▼	$0.00 ▼	❌ ⬆ ⬇ ⚙ ↕
Total Paid ▼	Total Paid	☐ ☐ ☐	... ▼	$0.00 ▼	❌ ⬆ ⬇ ⚙ ↕
Booking Duration ▼	Booking Duratic	☐ ☐ ☐	... ▼	0,000 ▼	❌ ⬆ ⬇ ⚙ ↕
Booking Duration ▼	Duration	☐ ☐ ☐	... ▼	0,000 ▼	❌ ⬆ ⬇ ⚙ ↕
Booking Duration ▼	Cost Per Day	☐ ☐ ☐	... ▼	$0.00 ▼	❌ ⬆ ⬇ ⚙ ↕
Vendor City ▼	Vendor Address	☐ ☐ ☐	... ▼	... ▼	❌ ⬆ ⬇ ⚙ ↕
... ▼		☐ ☐ ☐	... ▼	... ▼	❌ ⬆ ⬇ ⚙ ↕

☐ Add Subtotals

Column Group	
Hide this field	☐
Sort (z-a)	☐
Italic	☐
Bold	☐
Width	
Label Justification	Ⓜ
Value Justification	☐
Subreport	... ▼
Drill-Down Style	... ▼
Url	example:Page.aspx?id={0}&value={1}
Subtotal Function	(Default) ▼
Gradient Cells Shading	☐
Expression	[rb_bookings.Vendor City] + ', ' + [rb_booki

OK

Expressions 3
Demo, Inc.

Booking Type = Hotel
Issued Date Between 10/1/2014 10/31/2014

Account Type	Passenger	Low Fare	Total Paid	Booking Duration	Duration	Cost Per Day	Vendor Address
C	CLINTON/THOMAS R	$0.00	$372.00	3	4	$93.00	Covington, KY
C	SANDERS/EDWARD.K	$0.00	$184.00	2	3	$61.33	Dublin, OH
C	BRADY/CORY	$0.00	$184.00	2	3	$61.33	Dublin, OH
C	WOLTERS/JOLYNNE	$0.00	$368.00	4	5	$73.60	Dublin, OH
C	BLANEY/WILLIAM L	$0.00	$97.47	1	2	$48.74	Burlington, WA
C	WEBB/CHRISTIAN CHURCH	$0.00	$101.75	1	2	$50.88	Clarion, PA
C	GODFREY/CHRISTOPHER.W	$0.00	$63.65	1	2	$31.83	Richland Center, WI
C	BENNETT/BRIAN H MR	$0.00	$194.94	2	3	$64.98	Medford, OR
C	BENNETT/BRIAN H MR	$0.00	$264.10	2	3	$88.03	Hollywood, FL
C	GODFREY/CHRISTOPHER.W	$0.00	$63.65	1	2	$31.83	Richland Center, WI

REPORTS