Flex2Crystal™

The future of Crystal Reports for VDF

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Flex2Crystal

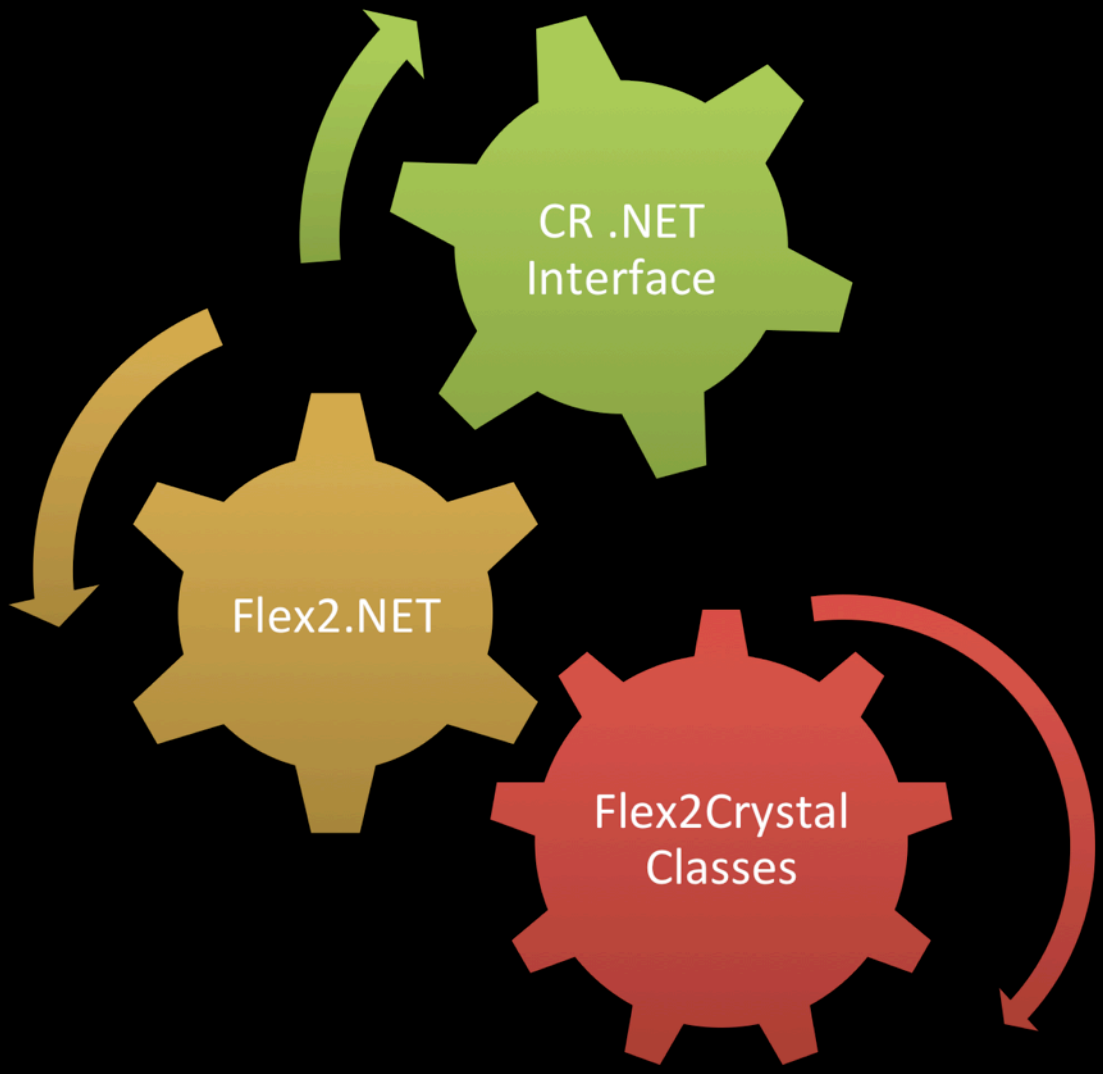
- Will run existing reports with new Crystal
- Will integrate with Visual DataFlex Studio
- Will have an integrated viewer (first)
- Will not support native DataFlex database

Flex2Crystal

- Will have library for VDF 12.1 or later
- Will have packages for older VDF versions
- Will support new Crystal features
- Will be easy to install and distribute

Why

- Developers want it!
- Fits into our business model
- Challenging
- Two birds with one stone!


CR .NET
Interface
Flex2.NET
Flex2Crystal
Classes

Flex2.NET

- An engine to consume .NET controls
- Generates COM from .NET assemblies
- Crystal is first test
- Topic for another webinar

CTP: Dec 15th!

Beta: February 2012

Release: March 2012

What's next

- Your feedback suggestions
- Over to Oliver

Upgrading a report
As easy as C-C-C

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Code Time!

1. Change Includes

Change "`Use Crystal\CheckForCrystal.dg`"

to

"`Use CheckForFlex2Crystal.dg`"

2. Connect to F2C

Replace "`cCrystal`" with "`cFlex2Crystal`"

3. Compile!

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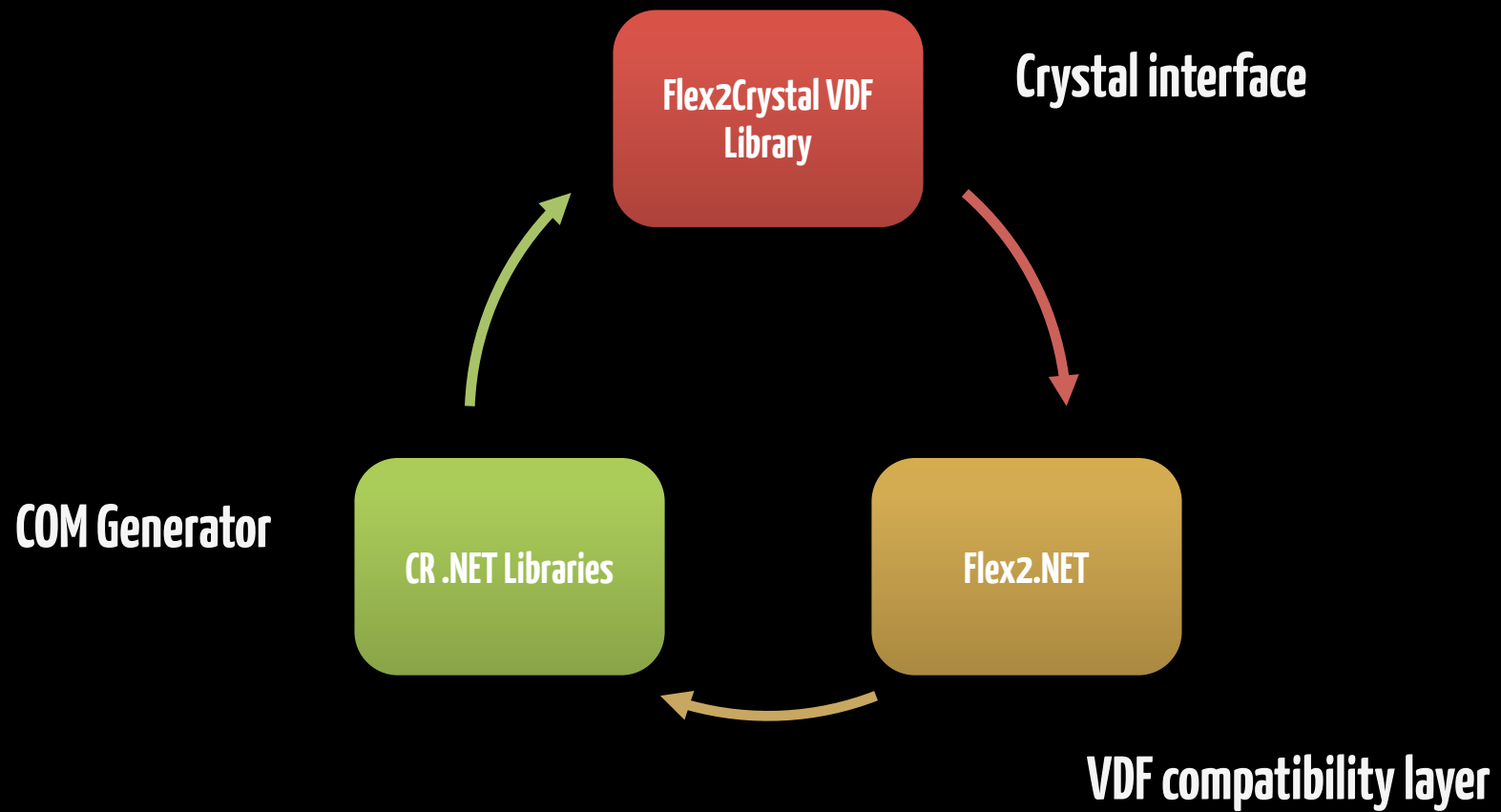
Flex2Crystal Components



Features

- ✓ Sort Fields
- ✓ Parameters
  (More on this later)
- ✓ Formula Fields
- ✓ CDOs
- ✓ Sub Reports
- ✓ Export Formats
- ✓ Selection Formulae
- ✓ ADO.NET

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Why should I UPGRADE?

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- Use Crystal 2011 in VDF 12.1-16.1
- Support from SAP for CR 2011
- New Features!

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New Features

Built-in barcodes
Read-only Viewer
Parameter Panel
Interactive Viewer
Portrait/Landscape!

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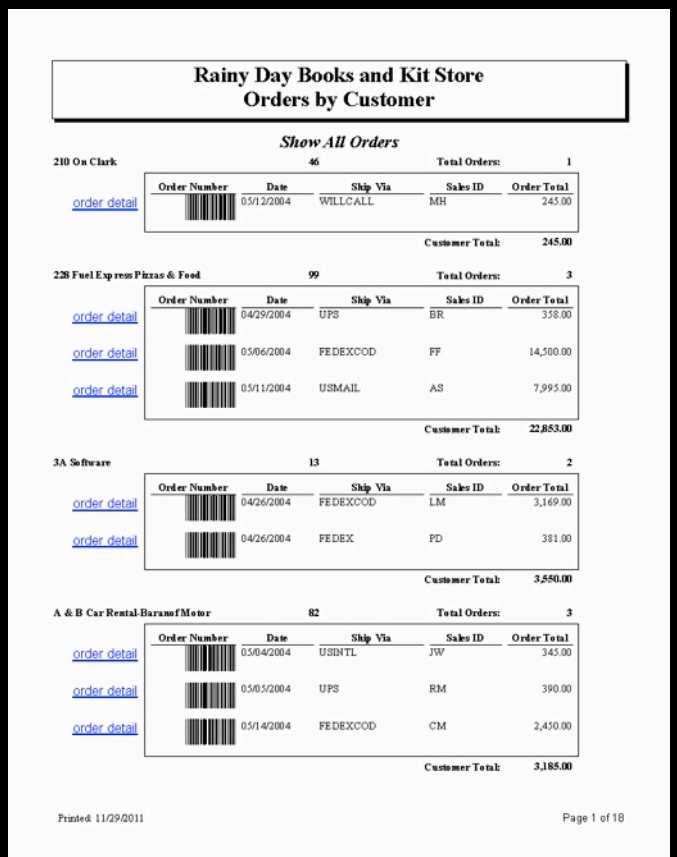
(*BARCODES* in code 39)



Rainy Day Books and Kit Store
Orders by Customer

Show All Orders

210 On Clark — 46 — Total Orders: 1

	Order Number	Date	Ship Via	Sales ID	Order Total
order detail		05/12/2004	WILLCALL	MH	245.00

Customer Total: 245.00

228 Fuel Express Pizzas & Food — 99 — Total Orders: 3

	Order Number	Date	Ship Via	Sales ID	Order Total
order detail		04/29/2004	UPS	BR	358.00
order detail		05/06/2004	FEDEXCOD	FF	14,500.00
order detail		05/11/2004	USMAIL	AS	7,995.00

Customer Total: 22,853.00

3A Software — 13 — Total Orders: 2

	Order Number	Date	Ship Via	Sales ID	Order Total
order detail		04/26/2004	FEDEXCOD	LM	3,169.00
order detail		04/26/2004	FEDEX	PD	381.00

Customer Total: 3,550.00

A & B Car Rental-Baranof Motor — 82 — Total Orders: 3

	Order Number	Date	Ship Via	Sales ID	Order Total
order detail		05/04/2004	USINTL	JW	345.00
order detail		05/05/2004	UPS	RM	390.00
order detail		05/14/2004	FEDEXCOD	CM	2,450.00

Customer Total: 3,185.00

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- Code 39 Built-in
- Others available at:

azalea.com/crystal-reports

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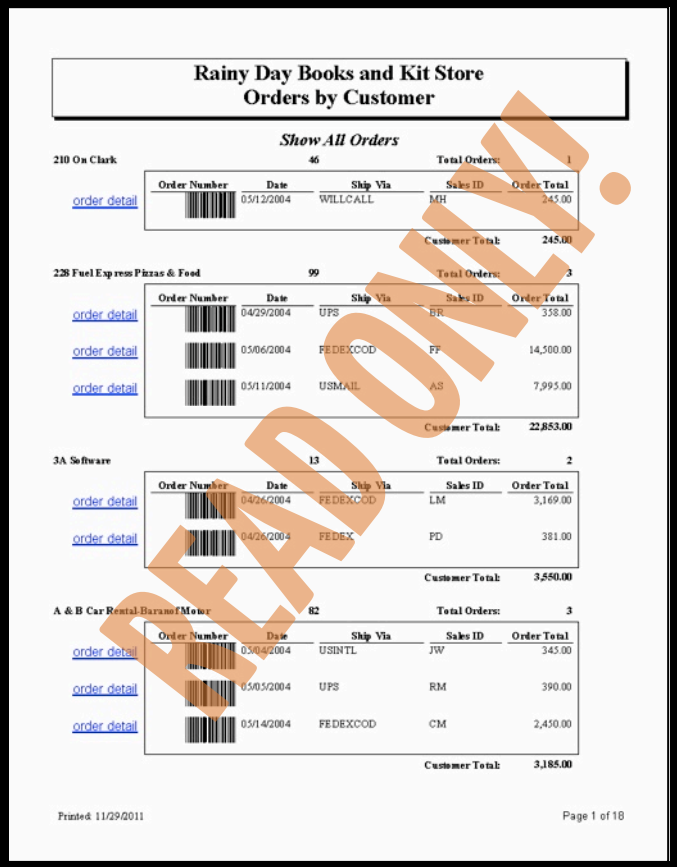
Read Only Reports



Quid Pro Quo

Data source location can't be set

– Can't create Formula Fields programmatically

– Can't set selection formula programmatically

You must edit existing sorts and use Parameters instead of formula fields & Selection Formulae

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Code Time!

New Features mean NEW INTERFACE

(that's a good thing, I promise)

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Legacy "Parameter" Method:

```
 Send AssignFormula of hoReport "CustomerState"
'"CA"'
```

New Method:

```
Handle hoParam
Get GetParamObjectByName of hoReport "CustomerState“ ;
    to hoParam
If (hoParam) Send ComAddCurrentValue of hoReport "CA"
```

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Legacy Sort Method:

```
 Send AppendSortField of hoReport "Customer" "Name"
iSortDirection
```

New Method:

```
Handle hoSortField
Get GetSortFieldByName of hoReport "{Customer.Name}" to hoSortField
If (hoSortField) Begin
    OLEF2CSortDirection iSort
    If (bDesc) Move OLEF2CSortDirection_DescendingOrder to iSort
    Else Move OLEF2CSortDirection_AscendingOrder to iSort
    Set ComSortDirection of hoSortField to iSort
End
```

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Portrait/Landscape Support

Deprecated!

CDO Support

CDO = Crystal Data Objects

A means to pass data from a programmatically Generated in-memory array

TTX files describe the format of the data.

ADO.NET Support

New flavor of the decade...

ADO.NET is the primary means of connecting to data sources nowadays in MS products.

XSD files describe the data sources.

Q/A

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