

Supplying Data to Xcelsius

- Problem:

Customers need to supply dashboards with data

– Two ways to do this:

- Live data connection: Can use the XML data connector (LiveOffice, QAAWS, XDS/XDM)
- Static data in dashboard: Data is already contained within dashboard

Data Access Models Pros + Cons

- Live data
 - Can contain real-time data
 - Data updated automatically
 - Must be connected to Intranet or VPN
- Static data
 - Can access dashboard anywhere
 - Must manually add data to dashboard
 - Cannot user specific data

XML Data Cache (XDC)

- If dashboard uses live data:
 - Can access real-time or cached data
 - Can have multiple data sources (Query, Webi, XLS)
 - Must be inside the Intranet
- If dashboard uses static data:
 - Embed data and burst resulting SWF's
 - SWF's can be opened anywhere



BI Report



Database



Excel



BI Report



Database



Excel

Every 10
Minutes

City	Revenue
Phoenix	\$32K
San Jose	\$51K
Albany	\$47K

DATA SOURCE

XML DATA CACHE



BI Report



Database



Excel

Every 10
Minutes

Daily

City	Revenue
Phoenix	\$32K
San Jose	\$51K
Albany	\$47K

State	Units
AZ	250
CA	425
NY	370

DATA SOURCE

XML DATA CACHE



BI Report



Database



Excel

Every 10
Minutes

Daily

When
Database
Values
Change

City	Revenue
Phoenix	\$32K
San Jose	\$51K
Albany	\$47K

State	Units
AZ	250
CA	425
NY	370

Region	Margin
West	\$2K
East	\$6K
North	\$4K

DATA SOURCE

XML DATA CACHE



BI Report

Every 10 Minutes



Database

Daily



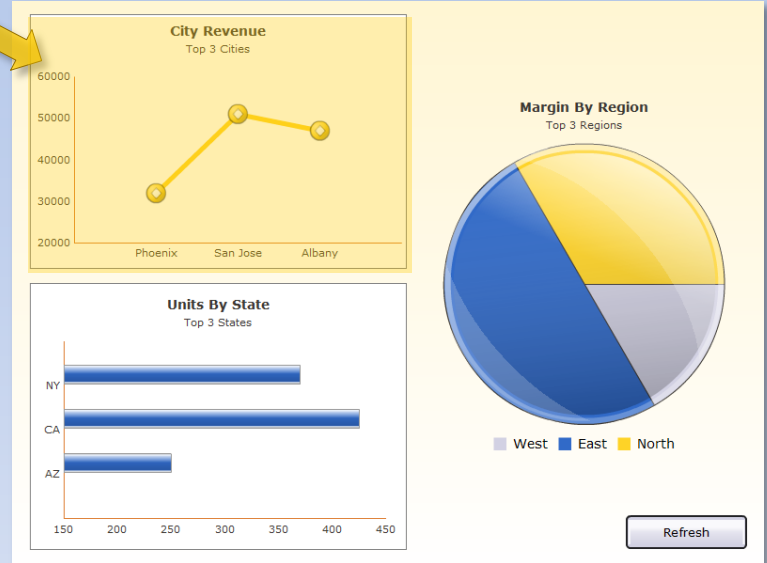
Excel

When Database Values Change

City	Revenue
Phoenix	\$32K
San Jose	\$51K
Albany	\$47K

State	Units
AZ	250
CA	425
NY	370

Region	Margin
West	\$2K
East	\$6K
North	\$4K



DATA SOURCE

XML DATA CACHE

XCELSIUS DASHBOARD



BI Report

Every 10 Minutes



Database

Daily



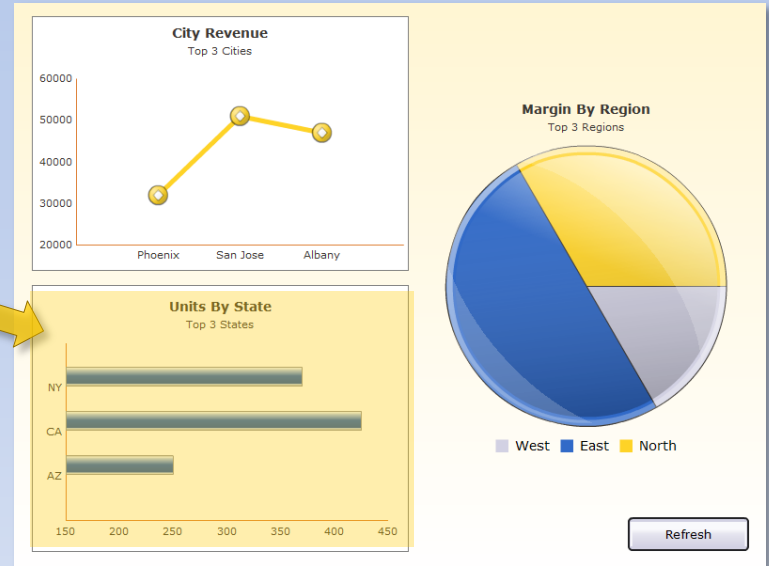
Excel

When Database Values Change

City	Revenue
Phoenix	\$32K
San Jose	\$51K
Albany	\$47K

State	Units
AZ	250
CA	425
NY	370

Region	Margin
West	\$2K
East	\$6K
North	\$4K



DATA SOURCE

XML DATA CACHE

XCELSIUS DASHBOARD



BI Report

Every 10 Minutes

City	Revenue
Phoenix	\$32K
San Jose	\$51K
Albany	\$47K



Database

Daily

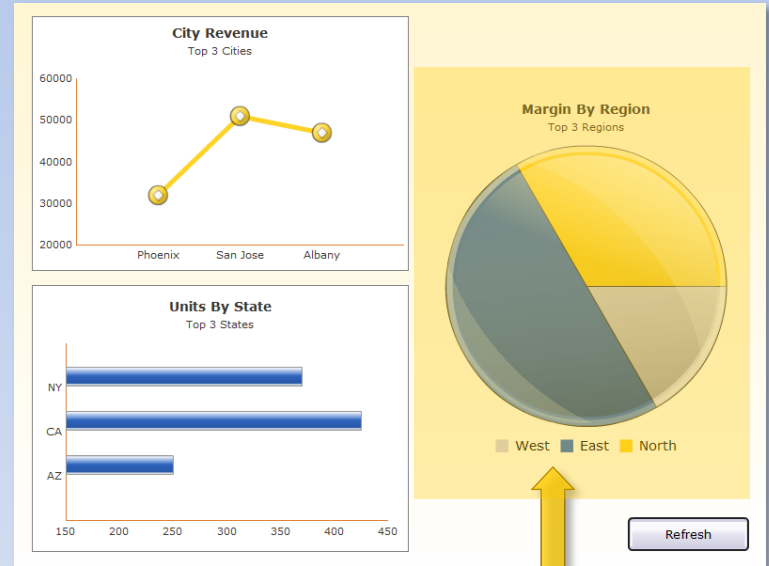
State	Units
AZ	250
CA	425
NY	370



Excel

When Database Values Change

Region	Margin
West	\$2K
East	\$6K
North	\$4K



DATA SOURCE

XML DATA CACHE

XCELSIUS DASHBOARD



BI Report

Every 10 Minutes

City	Revenue
Phoenix	\$41K
San Jose	\$65K
Albany	\$32K



Database

Daily

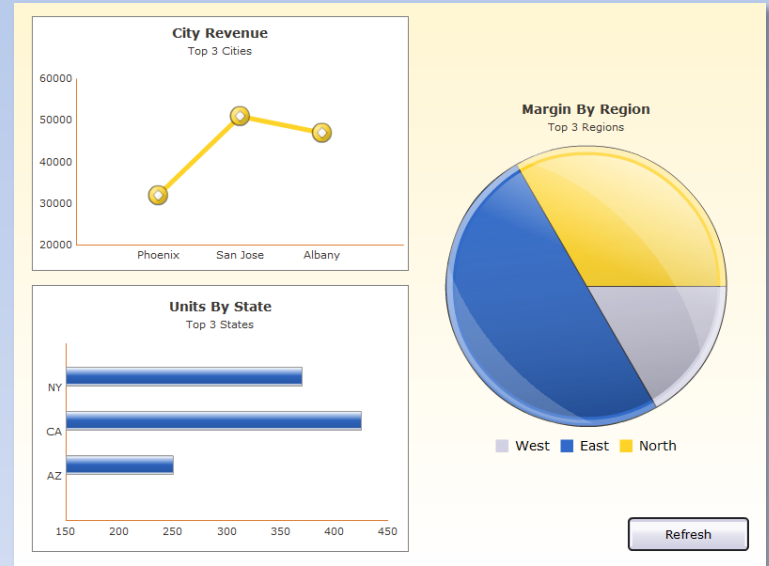
State	Units
AZ	250
CA	425
NY	370



Excel

When Database Values Change

Region	Margin
West	\$2K
East	\$6K
North	\$4K



DATA SOURCE

XML DATA CACHE

XCELSIUS DASHBOARD



BI Report

Every 10 Minutes



Database

Daily



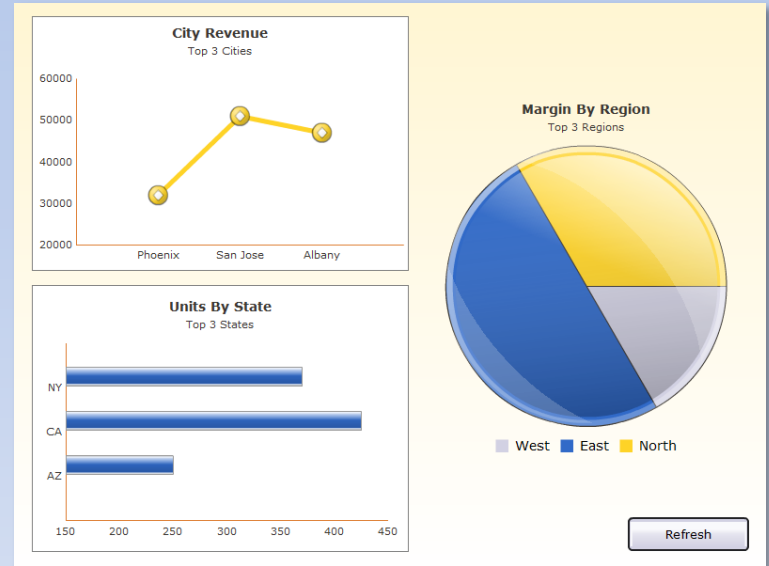
Excel

When Database Values Change

City	Revenue
Phoenix	\$41K
San Jose	\$65K
Albany	\$32K

State	Units
AZ	320
CA	710
NY	480

Region	Margin
West	\$2K
East	\$6K
North	\$4K



DATA SOURCE

XML DATA CACHE

XCELSIUS DASHBOARD



BI Report

Every 10 Minutes

City	Revenue
Phoenix	\$41K
San Jose	\$65K
Albany	\$32K



Database

Daily

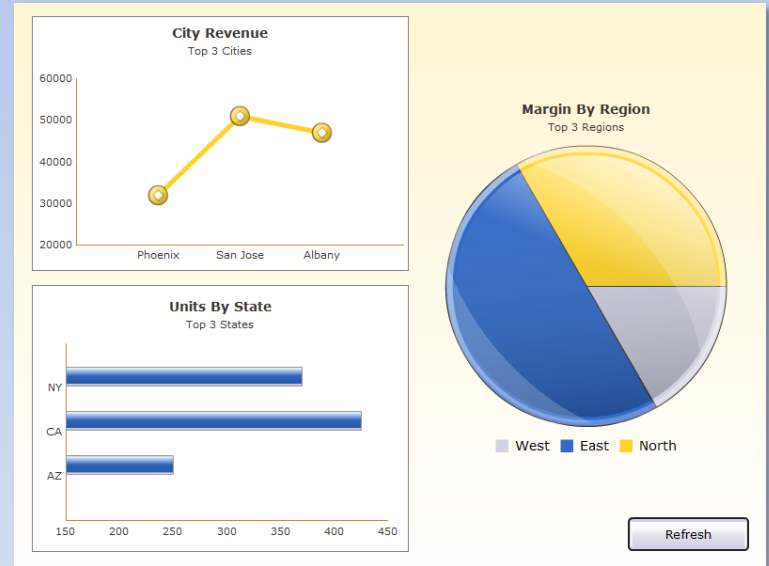
State	Units
AZ	320
CA	710
NY	480



Excel

When Database Values Change

Region	Margin
West	\$4K
East	\$9K
North	\$3K



DATA SOURCE

XML DATA CACHE

XCELSIUS DASHBOARD



BI Report

Every 10 Minutes



Database

Daily



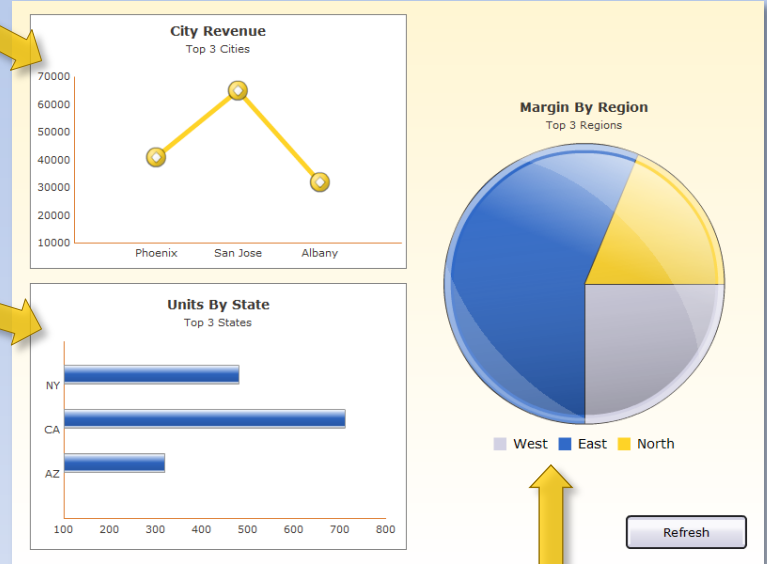
Excel

When Database Values Change

City	Revenue
Phoenix	\$41K
San Jose	\$65K
Albany	\$32K

State	Units
AZ	320
CA	710
NY	480

Region	Margin
West	\$4K
East	\$9K
North	\$3K



DATA SOURCE

XML DATA CACHE

XCELSIUS DASHBOARD



BI Report

Every 10 Minutes



Database

Daily



Excel

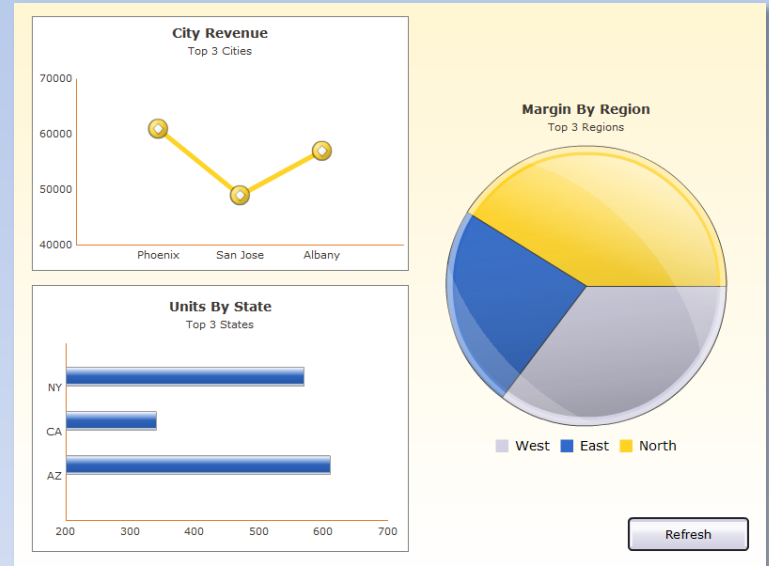
When Database Values Change

City	Revenue
Phoenix	\$61K
San Jose	\$49K
Albany	\$57K

State	Units
AZ	610
CA	340
NY	570

Region	Margin
West	\$6K
East	\$4K
North	\$7K

Query XDC cache based on user selections or views



DATA SOURCE

XML DATA CACHE

XCELSIUS DASHBOARD



BI Report

Every 10 Minutes

City	Revenue
Phoenix	\$41K
San Jose	\$53K
Albany	\$61K



Database

Daily

State	Units
AZ	400
CA	530
NY	630



Excel

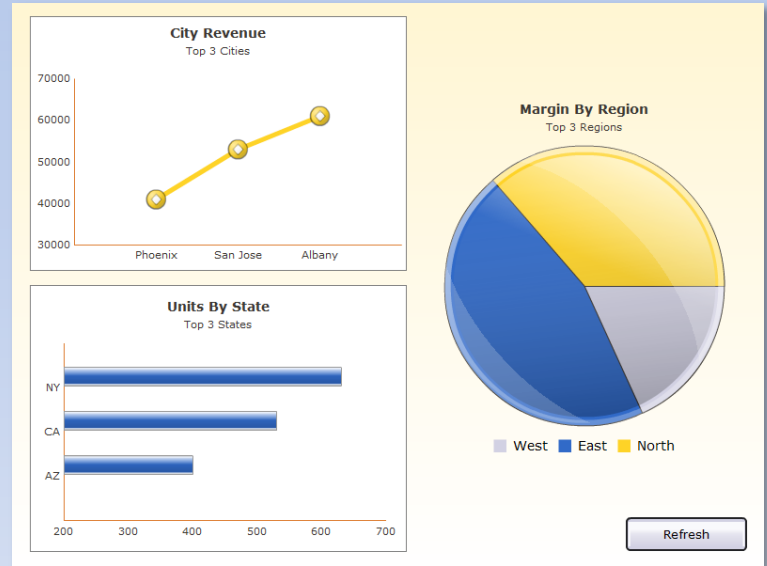
When Database Values Change

Region	Margin
West	\$2K
East	\$5K
North	\$4K

DATA SOURCE

XML DATA CACHE

Query XDC cache based on user selections or views

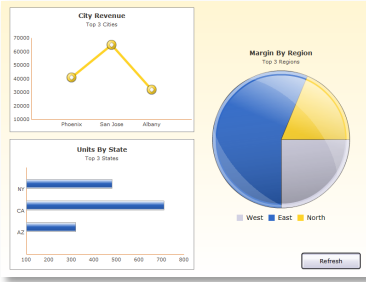


Improve performance by retrieving only relevant data

XCELSIUS DASHBOARD

Embedded Data in Dashboards

AZ Data

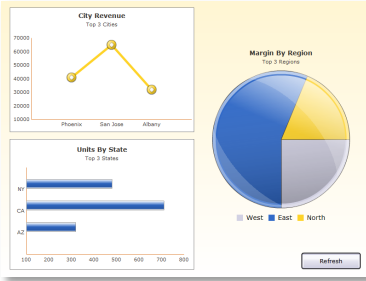


Email To:



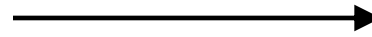
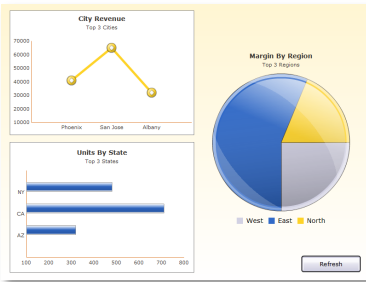
AZ Manager

CA Data



CA Manager

CO Data



CO Manager

Embedded Data in Dashboards

Query



Database

```
Select * From Table  
Where State='@State'  
and Year='2009'
```



Database

```
Select * From Table  
Where State='@State'  
and Year='2008'
```



Database

```
Select * From Table  
Where State='@State'  
and Year='2007'
```

XML Data Cache



Database

```
Select Distinct State  
From Table
```

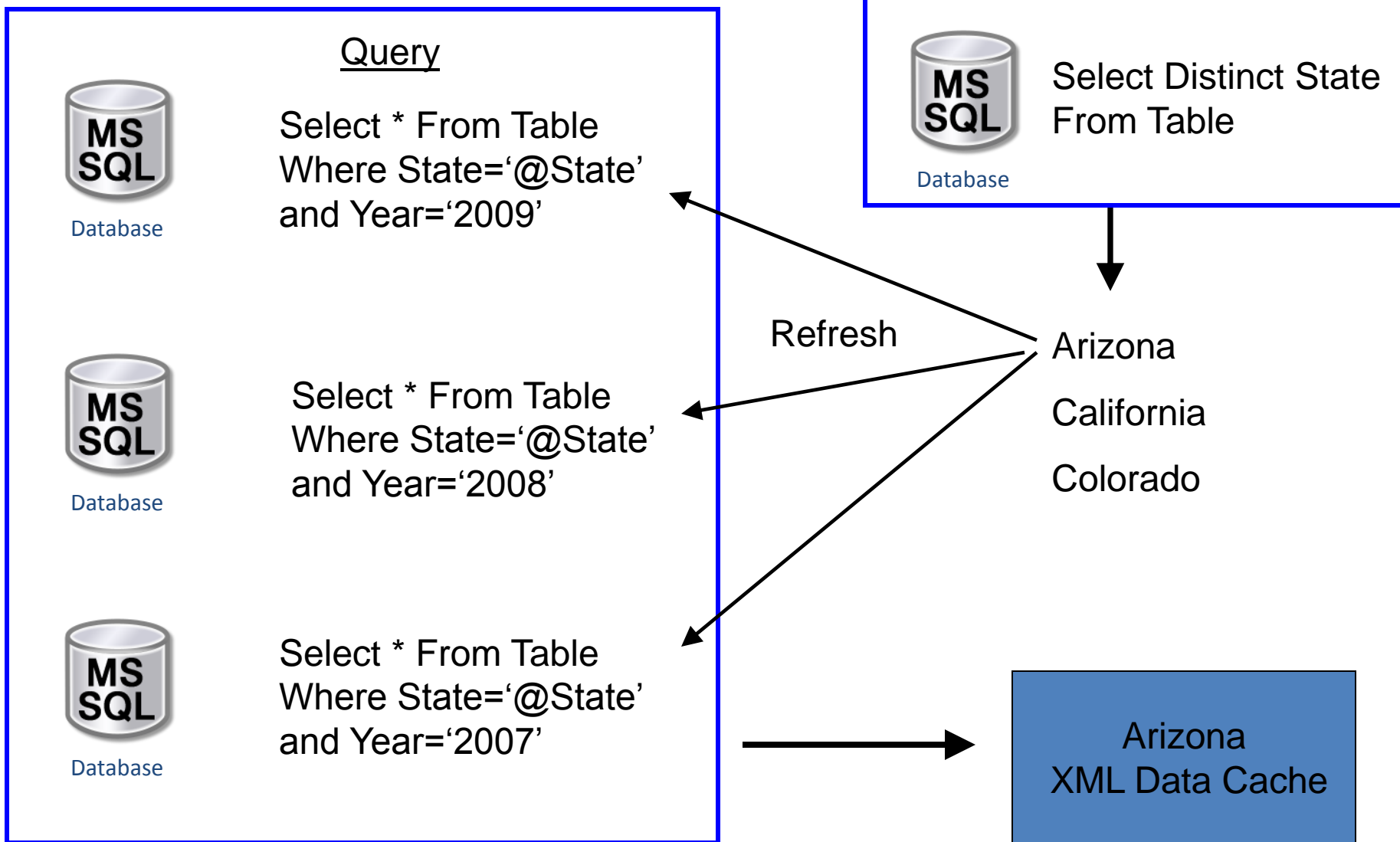


Arizona

California

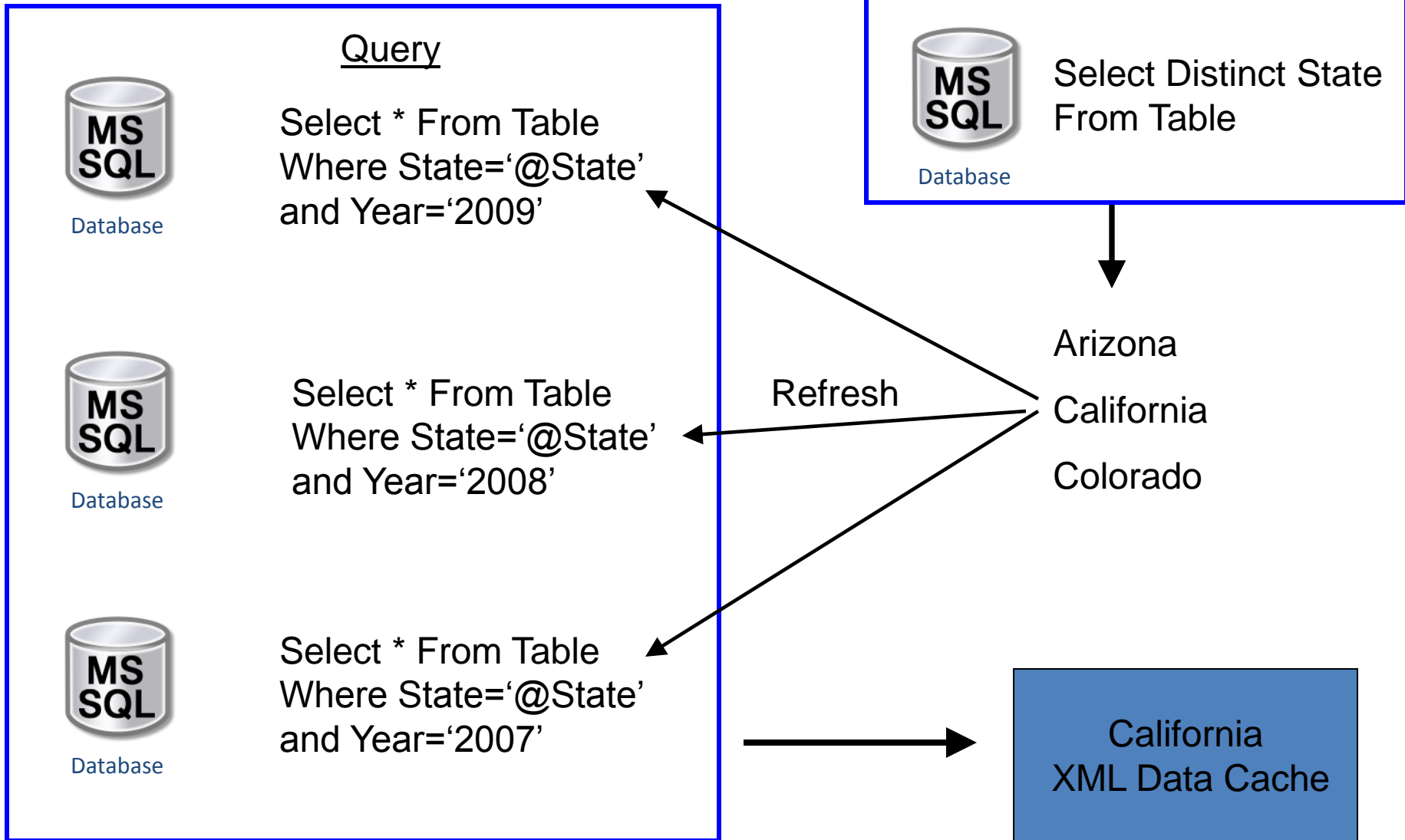
Colorado

Embedded Data in Dashboards



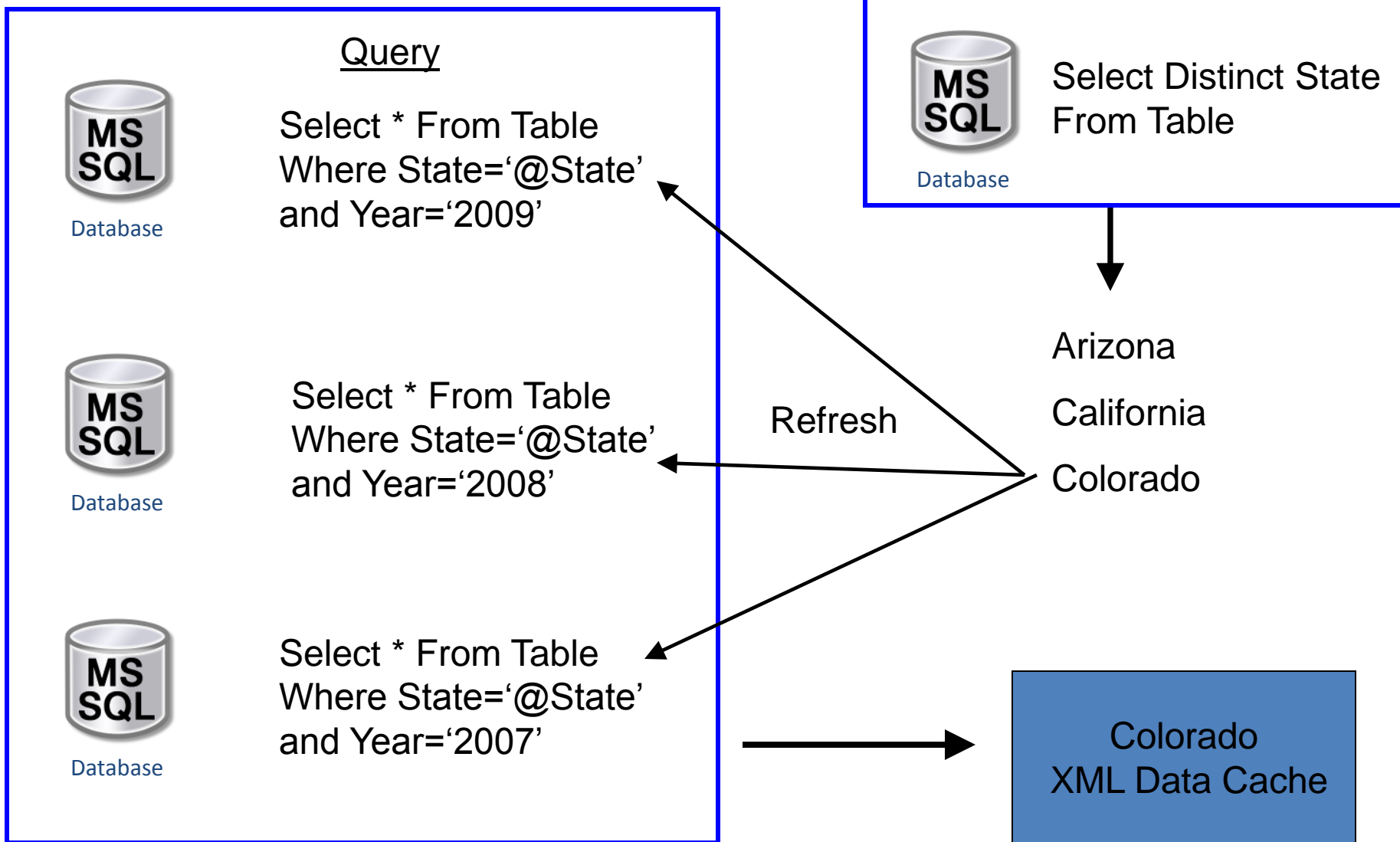
XML Data Cache

Embedded Data in Dashboards



XML Data Cache

Embedded Data in Dashboards



Query

Select * From Table
Where State='@State'
and Year='2009'

Select * From Table
Where State='@State'
and Year='2008'

Select * From Table
Where State='@State'
and Year='2007'

Select Distinct State
From Table

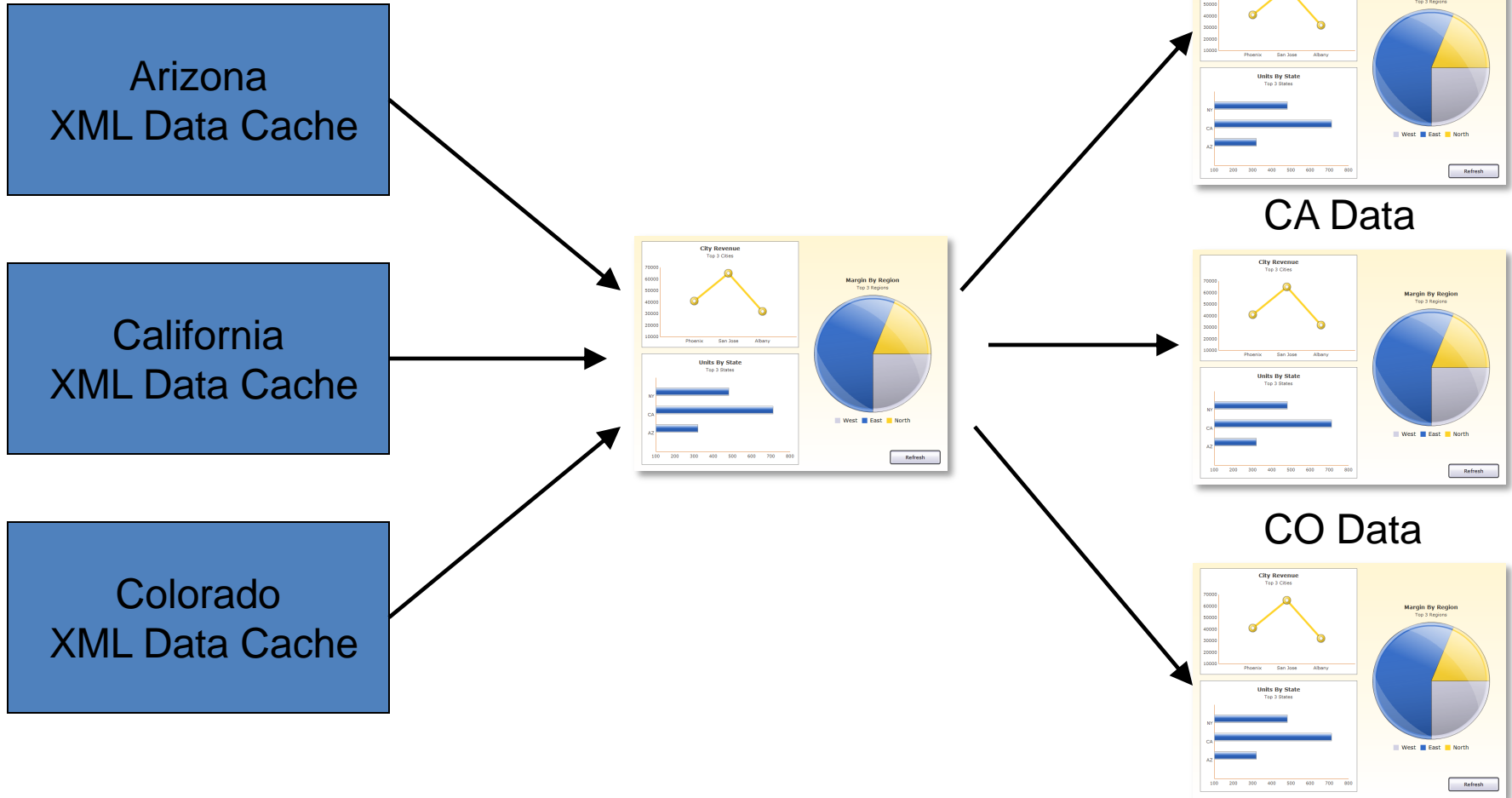
Arizona
California
Colorado

Refresh

Colorado
XML Data Cache

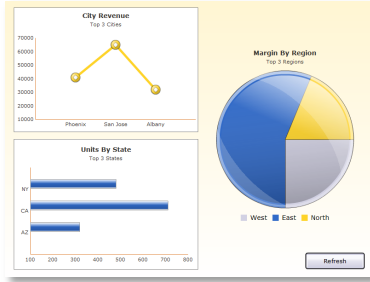
XML Data Cache

Embedded Data in Dashboards

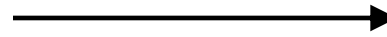


Embedded Data in Dashboards

AZ Data

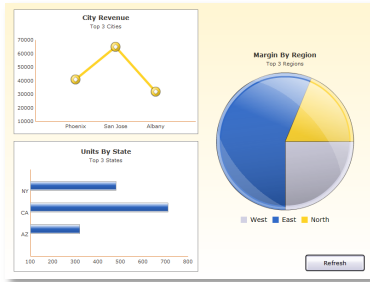


Email To:



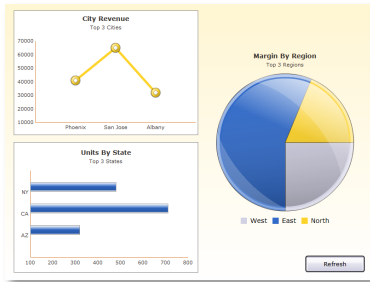
AZ Manager

CA Data



CA Manager

CO Data



CO Manager

Customer Solution

- Customer solution
 - Will contain 10 data sources
 - Each query has 5 parameters
 - Over 500 personalized dashboards will be created
 - Delivered to network share/portal

Q & A