

IBM Client Center

Business Solution Center

Global Industry Solution Center La Gaude European IBM Innovation Center



The IBM PureApplication System The Modern way to deploy Business Solutions

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Agenda

- 1. Benefits of the IBM PureApplication Patterns
- 2. A pattern for the IBM Customer Profitability Analytics solution
- 3. Demonstration
- 4. A pattern for an IBM Customer Centricity solution for Insurance

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The growing IT complexity is unsustainable



Specify/Design: Takes 30 days for an IT

infrastructure system

Procure: Software and hardware ordered

separately taking 5-20 days

Integrate: Components arrive as "bag of parts" to

be assembled and integrated on site

Test: Takes 30-60 days for a dev & test environment

Deploy: Can take weeks to months

Customize/Tune: Meeting SLAs requires customization

and ongoing tuning

Manage: Managing assets, development, provisioning,

and monitoring with multiple tools is time consuming

Scale: Lack of dynamic elasticity results in cumbersome re-allocation or resource addition

Maintain: Separate updates/fixes require separate testing

Upgrade: Months to plan, procure, test; potential

days of downtime

Decommit: Complex impact analysis, months to

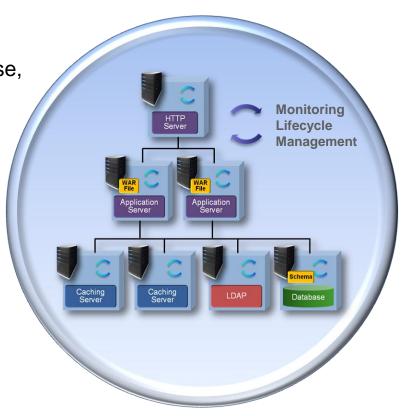
plan, and execute



Patterns of Expertise: Proven and Deployable packaging of applications and entire solutions.

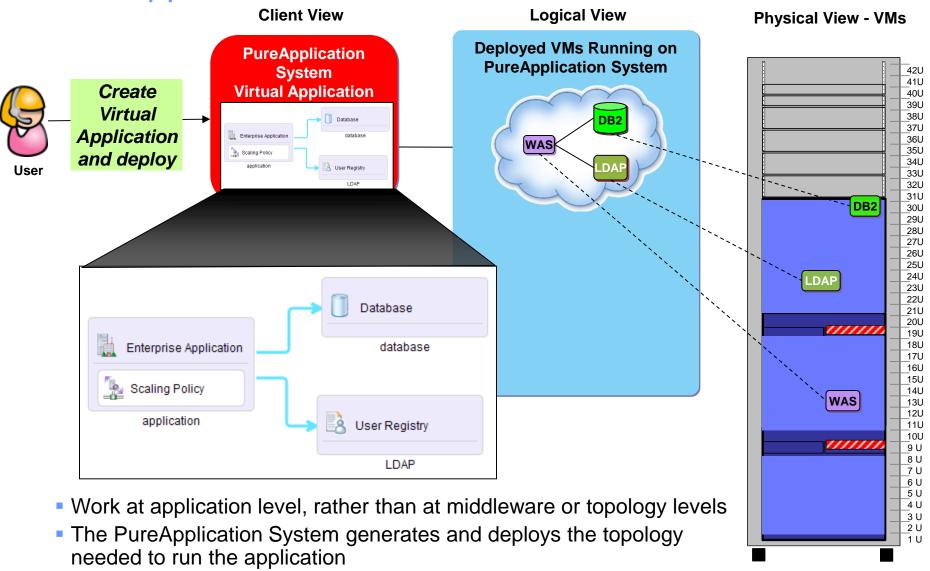
What is a Pattern?

- The pre-defined architecture of an application
- For each component of the application (i.e. database, web server, etc)
 - Pre-installation on an operating system
 - Pre-integration across components
 - Pre-configured & tuned
 - Pre-configured Monitoring
 - Pre-configured Security
 - Lifecycle Management
- In a deployable form, resulting in repeatable deployment with full lifecycle management
 - Configurable parameters to integrate within your applications and databases



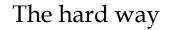


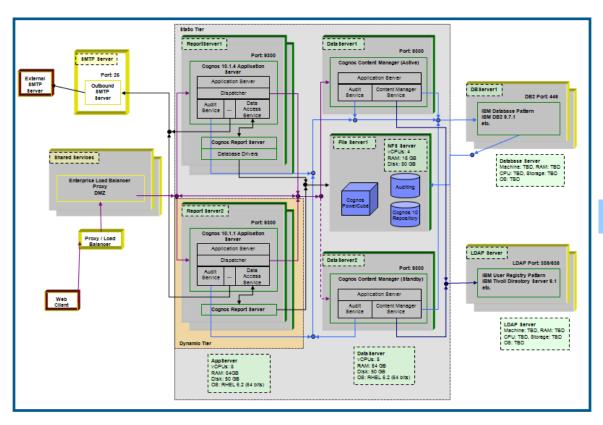
Virtual Application Patterns





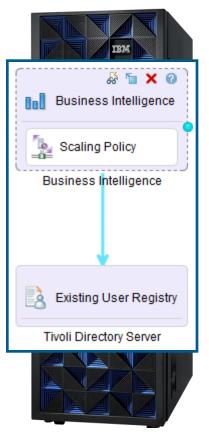
Example: PureApplication System + IBM BI Pattern





Weeks of manual effort 250+ opportunities for errors

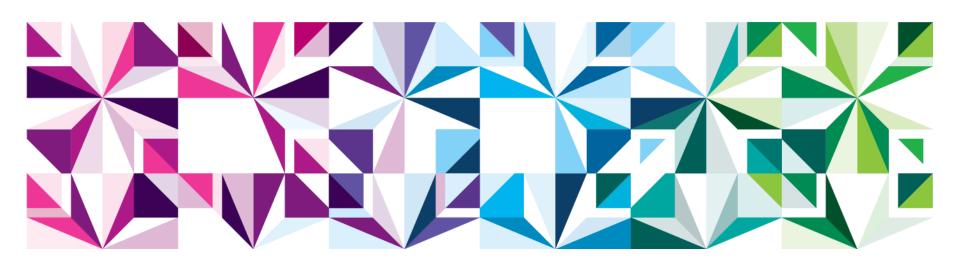
The new Way



30 minutes with Pattern: 0 Errors



I - The Customer Profitability Solution Pattern





Agenda

- Customer Profitability Analytics (CPA) Solution
 - Solution overview
 - Demonstration
 - Functional architecture

CPA Solution pattern on IBM PureApplication System

- Deployment Demonstration
- Technical architecture
- Business benefits and value



IBM Solution: IBM Customer Profitability Analytics



Analyze historical information (finance, marketing, sales) and customer attribute data to:

- Predict customer propensity to buy
- Develop lifetime value models
- Create account retention strategies
- Predict behavior patterns

Business Outcomes

- Increase profitable growth by 15-20% for Mass Market/ Retail customer base
- Improve retention & increase wallet share of profitable customers
- Reduced servicing costs by matching service levels to customer value

Product Components

IBM Cognos BI	IBM Cognos TM1	IBM SPSS	IBM Data Warehouse
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Let's see that Business Solution in Action

Demonstration Screenshots

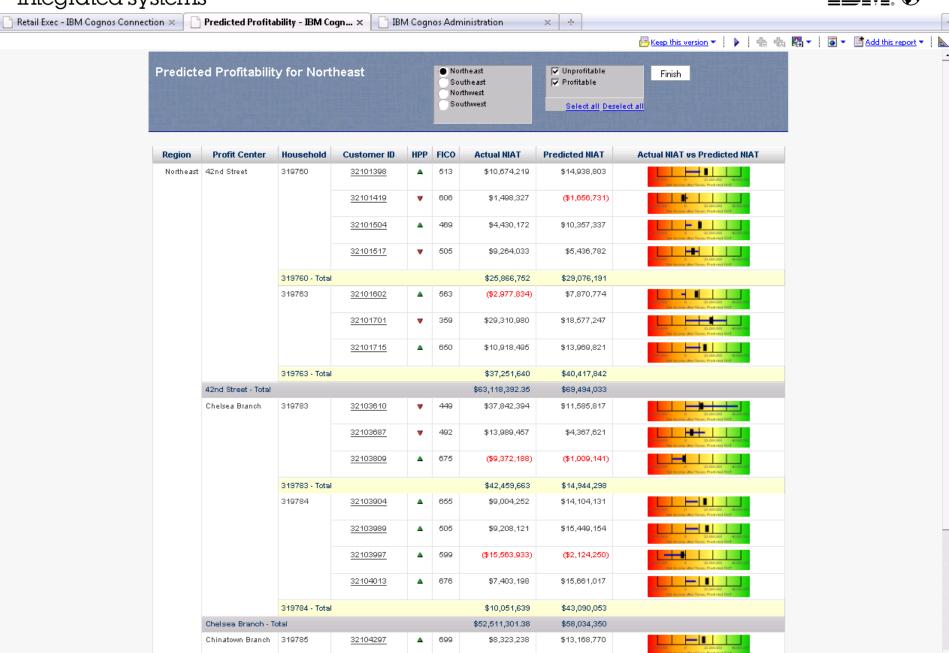
Expert integrated systems





Expert integrated systems

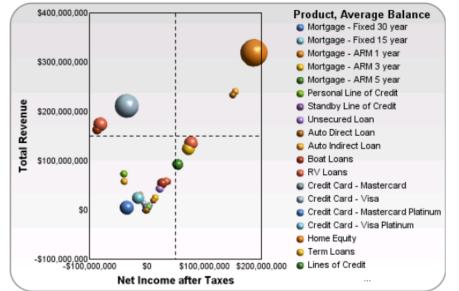






Product Profitability for Commercial Banking

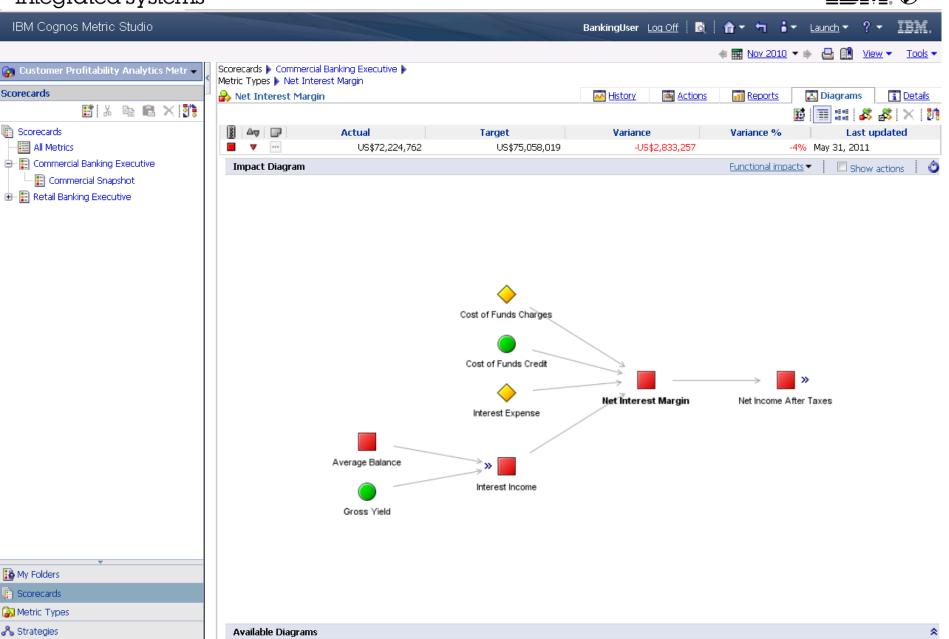
X-Axis Measure	Y-Axis Measure	Bubble Size Measure	Chart View
Net Income after Taxes	Total Revenue	▼ Average Balance ▼	Product
_	-		Customer
			, , , , , , ,



	Net Income after Taxes	Total Revenue	Avg Balance
Mortgage - ARM 1 year	\$186,407,154	\$319,081,027	\$72,072,327,010
Commercial Interest Checking	(\$35,739,525)	\$211,320,796	\$60,397,588,460
Mortgage - Fixed 30 year	(\$35,625,553)	\$5,024,409	\$28,047,528,816
Commercial Money Market	(\$81,829,557)	\$174,210,566	\$27,987,057,678
Loan Participations	\$76,495,343	\$136,232,135	\$26,991,896,419
Mortgage - ARM 3 year	\$71,963,196	\$124,769,829	\$24,696,372,055
Mortgage - Fixed 15 year	(\$15,755,013)	\$24,825,155	\$22,637,119,028
Mortgage - ARM 5 year	\$53,397,633	\$92,679,695	\$17,805,842,463
Asset Based Lending Lines	\$26,264,679	\$54,278,518	\$16,029,689,361
Money Market Accounts	(\$87,479,741)	\$163,226,078	\$13,277,247,215
Bid Lines of Credit	\$22,097,065	\$43,657,644	\$9,186,967,997
RV Loans	\$33,080,373	\$58,171,871	\$7,896,025,679
Commercial Paper Back-up Lines	(\$1,518,286)	(\$12,049)	\$6,478,179,335
Foreign Exchange Lines	\$1,787,045	\$6,244,136	\$6,404,875,828
Savings - High-Yield Money Market	(\$40,776,149)	\$73,447,100	\$6,080,377,094
Term CD's	(\$40,084,153)	\$58,224,628	\$5,380,348,391
Auto Indirect Loan	\$154 N22 514	\$240 918 337	\$4 779 218 842

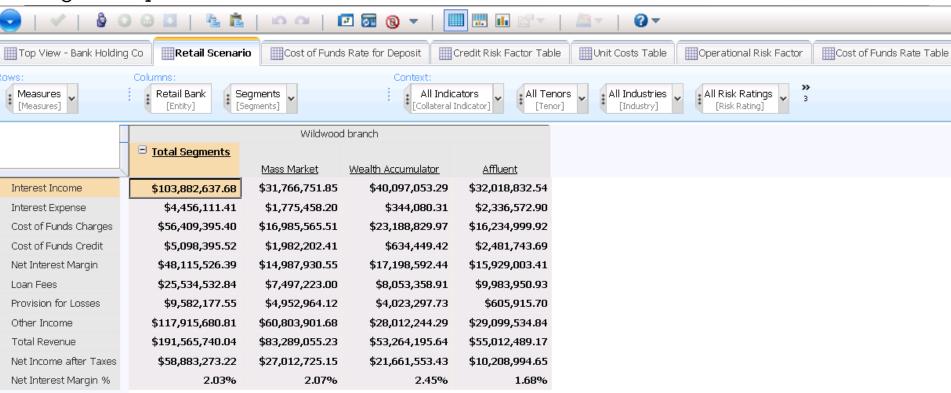
Expert integrated systems



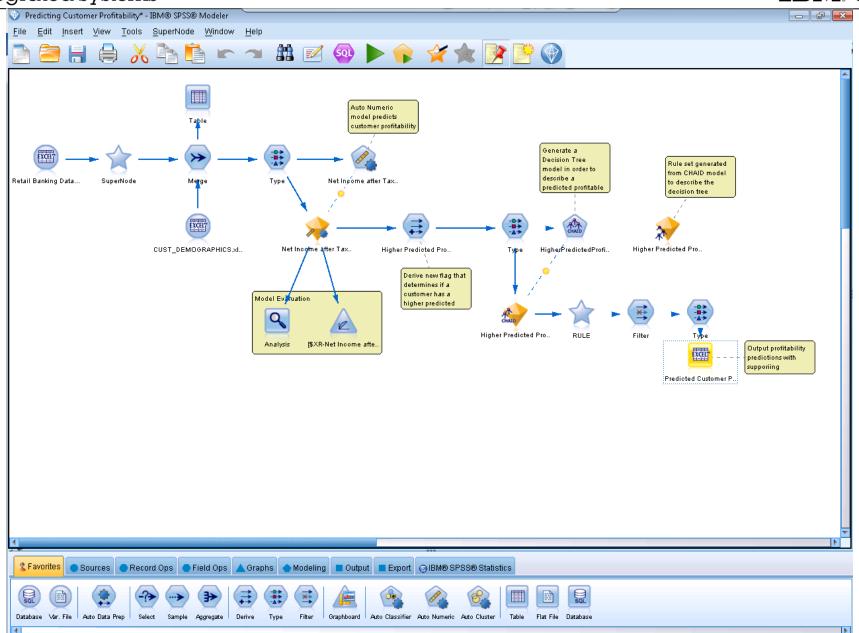


Expert integrated systems



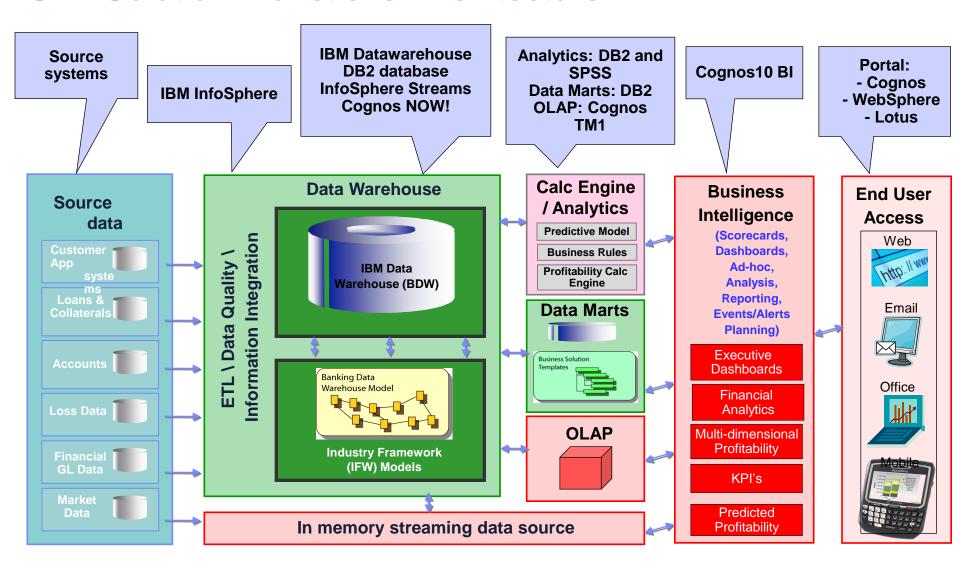








CPA Solution: Functional Architecture





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Customer Profitability Analytics (CPA) Solution

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- Demonstration
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CPA Solution pattern on IBM PureApplication System

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- Business benefits and value

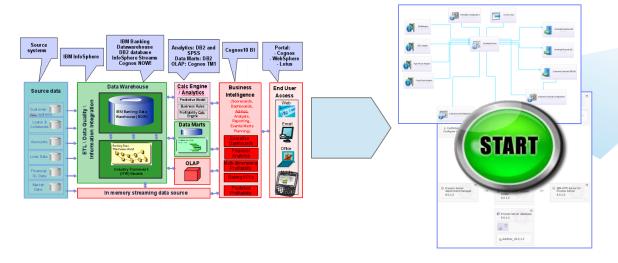


Demonstration of the pattern for the CPA Solution

This pattern can be automatically deployed on the IBM PureApplication System in 30 minutes.

The solution is then ready to use, this is what we are going to demonstrate:

Solution Pattern



Such a BI Solution usually takes weeks to define, plus weeks to integrate, and months to deploy and test With our business solution pattern, it is deployed rapidly, repeatedly, without any error...



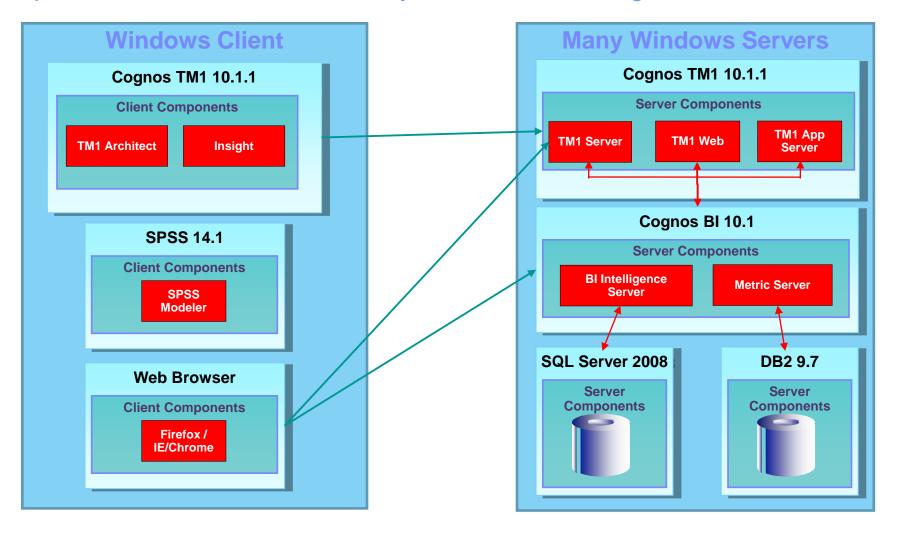


Let's see how the Solution Pattern deploys on the IBM PureApplication System

Recorded Video of Live Demonstration



Solution architecture on traditional systems: Requires lots of Software and many Servers to be integrated

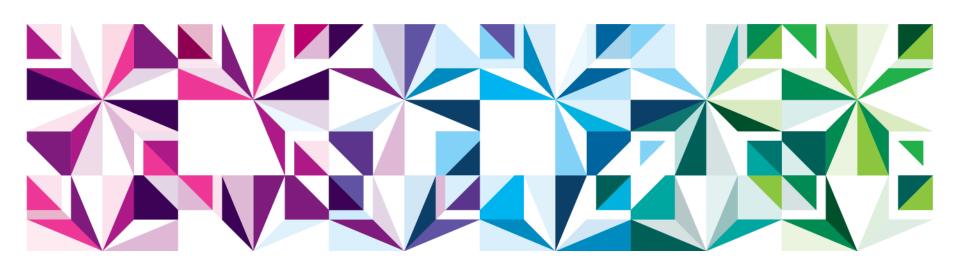




Solution Pattern Architecture: The Pattern encapsulates all the Servers **PureApplication System** Windows Client **CPA Solution Pattern Cognos TM1 10.1.1** Cognos TM1 10.1.1 **Client Components Server Components TM1 Architect TM1** Insight **Business Intelligence Pattern SPSS 14.1 Server Components Client Components BI Intelligence Metric Server** Server **SPSS** Modeler **Database Shared Services Web Browser Client Components** DB2 9.7 Firefox / **IE/Chrome**



II – The Customer Centricity solution pattern for Insurance





Solution Overview

Business Objectives and Challenges

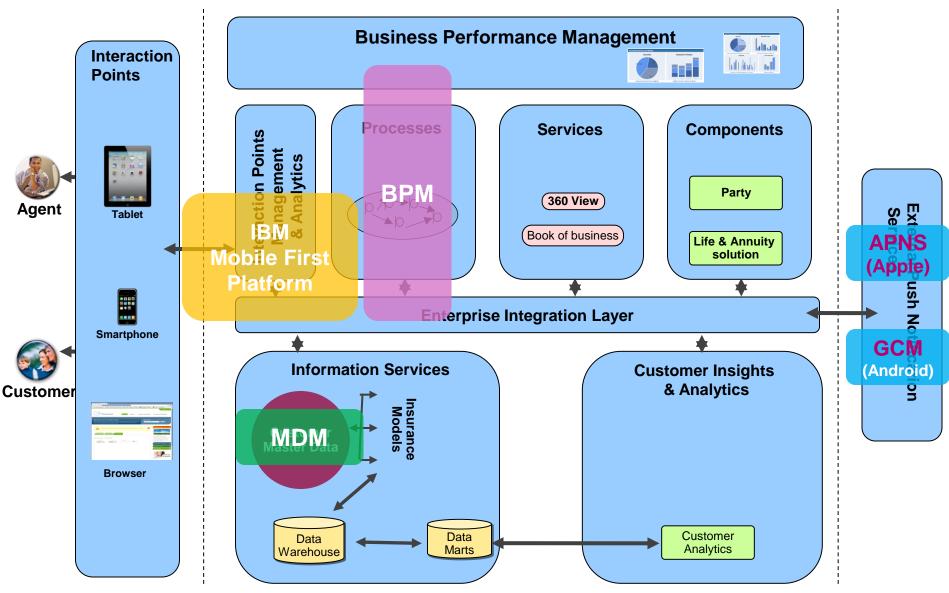
- Maximize the value of the customer relationships
- Embrace new channels of interaction: mobile devices, social media, etc.
- By "omni-channel", not just multi-channel
- Exploit every single interaction, that happened in the past, that happens now, that you can anticipate

The IBM Solution for Customer Centricity

- Allow your clients to communicate with you the way the prefer: contact center, smartphone, Web., etc.
- Develop a deep understanding of customer behaviors and preferred interaction points
- Enrich your customer insight by capturing new information and events to be used in smarter analytics and marketing campaigns.
- Provide agents with additional information to up-sell, cross-sell, retain customers, and improve their quality of service



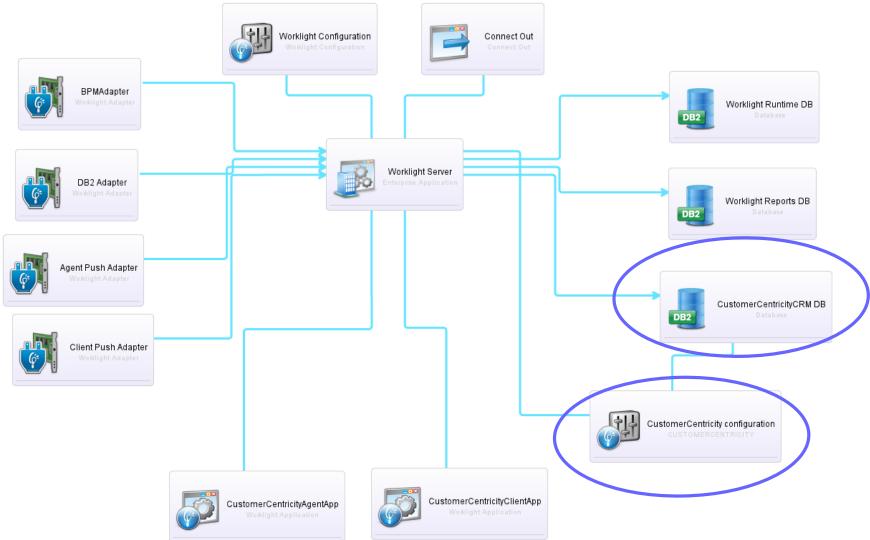
Solution architecture overview - product mapping





Result: a Solution Pattern based on the IBM Worklight and BPM







Business benefits of solution patterns – Key Takeaways

- Pre-tuned solution with business and IT built-in expertise:
 - Pre-defined use cases, data models and data sets
 - End to end integrated solution
 - Optimized configuration and installation parameters
 - Pre-defined solution policies for elasticity, security, and load balancing
- Unified monitoring of the solution

- Simplified solution lifecycle:
 - Environments are created on-demand: dev & test, integration, training, pre-production, production...
 - Software Upgrades are automated
- Reusable and incremental answer to your business needs:
 - On demand, one-click, instances of Solution (in minutes)
 - Organizational replication: countries, lines of business, entities, subsidiaries, etc.

		Traditi onal	With PureAS
Increasing speed and flexibility	Test provisioning	Weeks	Minutes
	Change management	Months	Days/hours
	Release management	Weeks	Minutes
	Service access	Administered	Self-service
	Standardization	Complex	Reuse/share
Reducing costs	Metering/billing	Fixed cost	Variable cost
	Server/storage utilization	10-20%	~ 70 %
	Payback period	Years	Months

integrated systems



The Industry Pattern Factory at IBM La Gaude delivers business

solutions patterns for your industry



Client / Business Partners sessions

- Client sessions
- Business Partner enablement and work sessions

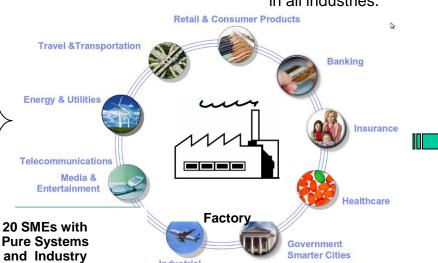
Assets / Solutions

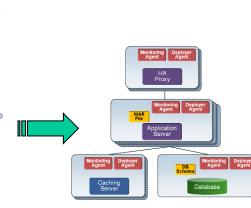
- All the IBM catalog of software product patterns +
- "Customer profitability Analytics" & "Customer Centricity" business solution patterns implemented & deployable on IPAS
- « Patient care & insight » , « Intelligent Advisor » and « IOC » solutions running on Pureflex
- Business solutions running on PureData for Analytics

Industry Pattern Factory:

 Delivers reusable patterns for complex business solutions in all industries.







Business Solutions patterns

Expertise



Any Question?

