Business Value Guide

RELATIONSHIP PRICING FOR COMMERCIAL BANKING BLUEPRINT



INTRODUCTION

2007 was a challenging year for many bankers, as the sub-prime mortgage crisis sent many of the world's strongest banks into a tailspin. Although mortgage lending was certainly the catalyst—both in terms of delinquencies on mortgages and poor risk management of collateralized debt obligations—the crisis affected all areas of the bank, including commercial banking. The profitability and liquidity impacts of the crisis caused significant bank-wide budget reductions at most banks, which led to massive layoffs and reduced spending on many projects.

The resulting climate at most banks is now one of caution and internal focus. Two major business drivers—aside from economic uncertainty—are organic growth and operational efficiency. Major strategic responses to these drivers include an increased focus on financial and performance management, improved risk mitigation policies, and improved customer acquisition, retention, and cross-selling.

In this climate effective pricing of products and services for customers is critical. With more competitive pricing banks can increase organic growth and drive new customer acquisition and cross-sell opportunities. Pricing deals consistently and uniformly leads to improved efficiency and better predictability, therefore driving better financial management. And pricing at the relationship level—where the bank can understand the total profitability and risk of a customer relationship—improves both overall profitability and risk management.

Unfortunately, most banks fail to experience these benefits because their pricing tool does not include existing relationship information to support pricing activity. In the commercial banking area of most banks—both large and small—deal pricing is done using spreadsheets. Managing a spreadsheet model effectively across tens, hundreds or even thousands of bank personnel is time-consuming and inaccurate. Most spreadsheet models do not include an analysis of a deal-pricing decision on the entire relationship. In addition, these models are generally not well-aligned with the bank's corporate strategy and cannot be changed and aligned centrally.

Commercial banks need the ability to price deals consistently across all activities. They need to ensure that deals are priced profitability, both for the instance of the particular deal in question and for the entire relationship. They need to know that commercial bankers are pricing deals in alignment with corporate strategy, and that pricing models can be updated easily as strategy changes. Finally, they need to package all of these capabilities into a pricing tool that is intuitive and easy for commercial bankers to use.



Figure 1: Relationship Manager Activities

THE COGNOS SOLUTION

The IBM Cognos *Relationship Pricing for Commercial Banking Blueprint* addresses this need. The *Blueprint* provides a quick-start solution that provides discipline and consistency to pricing both credit and non-credit deals, and helps align daily decisions with performance management objectives. It further supports relationship pricing and analysis with the ability to combine existing deals with proposed deals. Equally important is the enhanced ability the *Blueprint* brings to evaluating Risk-adjusted Return on Capital (RAROC) on each scenario.

The *Blueprint* is built using both IBM Cognos 8 Business Intelligence and IBM Cognos 8 Planning. IBM Cognos Planning coordinates plans, budgets and forecasts across your institution so everyone accountable for business results has visibility into how their role supports that company's strategic initiatives and financial goals. IBM Cognos 8 Business Intelligence provides world-class reporting and analysis, allowing you to track your progress against forecasts and plans, and access critical information with ease.

Blueprints pre-populate your IBM Cognos planning environment with common operational drivers and business structures, dramatically reducing the time required to deploy a new performance management process.

This *Blueprint* features intuitive customer reporting capabilities, a robust pricing model for commercial products that includes both deal and relationship profitability, and centralized administration to ensure that commercial bankers price potential deals in the most efficient and profitable manner. More specifically, the solution provides:

- A Commercial Banking Executive dashboard, including revenue, profitability and risk information.
- A Relationship Manager dashboard, displaying book of business, profitability, and proposal information.
- A Relationship Summary report, detailing all of the products and services currently used by a customer.
- A pricing model that includes a relationship summary, pricing capabilities for Credit and Treasury Services / DDA offerings, and deal and relationship profitability analysis capabilities for numerous pricing scenarios.
- A pricing approval form, displaying the deals that require approval and the high-level details of outstanding proposals.

Although the *Relationship Pricing for Commercial Banking Blueprint* reflects best practices in commercial banking relationship pricing, it is meant to be used as a starting point for a bank's relationship pricing solution. Some banks will use the *Blueprint* as-is without significant modification, whereas others will enhance it to meet specific business needs. The *Blueprint* is built to accommodate this customization, but is robust enough to be used by some institutions without modification.

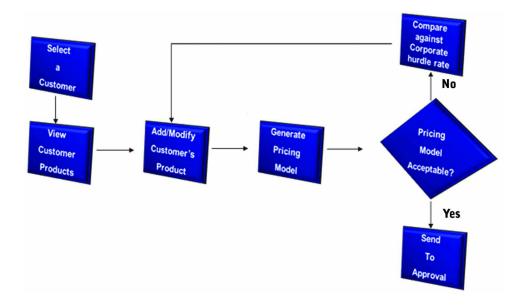
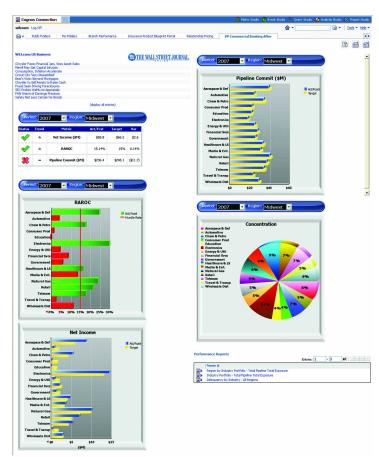


Figure 2: Relationship Pricing for Commercial Banking Workflow

Users of the *Relationship Pricing for Commercial Banking Blueprint* will include relationship managers (RMs) or lenders, district or regional managers, credit officers, and more. The following scenario depicts how relationship managers within a commercial bank could take a best practices approach to pricing potential deals.

The solution enables these individuals to conduct their pricing activity at the product/facility level by customer, with multiple pricing alternatives to ultimately decide on a price that is economically sound and meets or exceeds the bank's defined earnings hurdle rates. The solution also provides a real time profitability calculator to quickly evaluate new business pricing scenarios and their profitability impact at the facility, product, and the overall relationship level.

Relationship managers could start by accessing the Commercial Banking dashboard, pictured below. This dashboard provides an executive-level look into the commercial bank, including pipeline, profitability, and risk information.

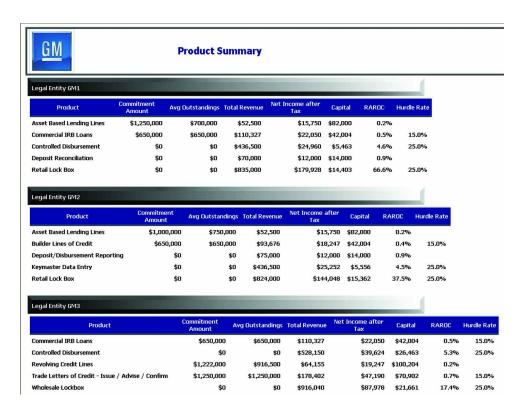


This dashboard features a Relationship Pricing tab that RMs can select to get a view of their personal book of business. This dashboard, shown below, provides RMs with a look at customer profitability, upcoming business to be renewed, and a snapshot of outstanding proposals.



After reviewing their book of business, relationship managers can then concentrate on one of the opportunities within the pipeline. This opportunity may be a renewal or it may be a completely new opportunity.

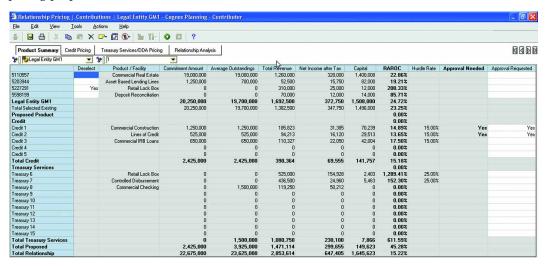
In either case, the RM is likely to review the products owned by the customer currently. This information is displayed on the Product Summary report, shown below. This report provides key performance metric information at the holding company level and at the subsidiary level by product.



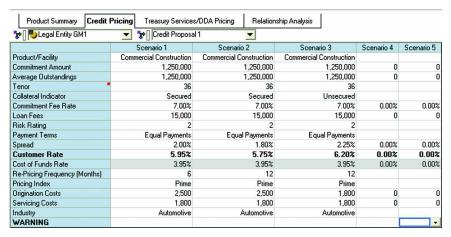
Once RMs have reviewed the existing products used by a customer, they can now launch the Relationship Pricing model.

The Relationship Pricing model has four tabs that represent a key portion of the model's capabilities. The first is the Product Summary tab. This tab is another representation of what products a customer is using across the various departments. This tab goes into significant detail on commitment and outstandings, revenue, capital, and profitability information.

It is in this tab that RMs can view the product pricing proposals that have been approved or exceed internally set earnings hurdle rate to allow them to make an official offer to the customer. Of note, RMs can deselect products as needed. This would be done if the RM is renewing or replacing an existing product in a pricing proposal.



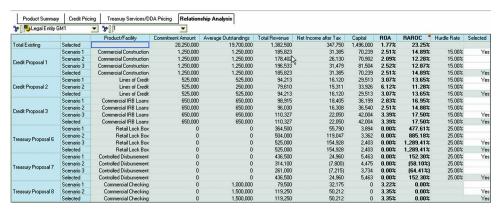
The Credit Pricing tab allows RMs to price up to five different proposals for a prospective deal. Within each proposal, RMs also have the ability to create several different scenarios. Within a given scenario and proposal, RMs can input the key deal pricing information, such as commitment amount, tenor, commitment fee rate, and payment terms. In addition, RMs can input either the customer rate or the spread. The model will automatically calculate the value that is not input by RMs. The cost of funds is provided, and can be changed centrally, but not by RMs.



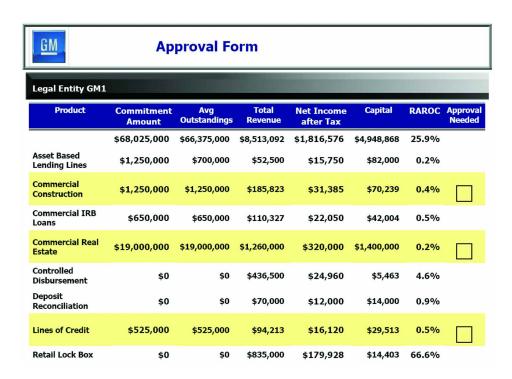
Similarly, the proposed deal may include Treasury Services or DDA products in addition to credit products (or even without credit products). As with credit pricing, RMs can create multiple proposals and scenarios for Treasury Services or DDA products. Again, RMs can enter key deal information. Information such as account opening costs and servicing unit costs are provided for RMs and cannot be changed.

Product Summary Credit P	ricing Treasury Serv	vices/DDA Pricing	Relationship Analysi	s	
🎾 🕒 Legal Entity GM1	Treasury F	Proposal 6	▼		
	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5
Product/Facility	Retail Lock Box 🕶	Retail Lock Box	Retail Lock Box		
Treasury Services Fees	10,125	10,500	8,750	0	C
Number of Items (Monthly)	8,100	7,000	5,000	0	C
Treasury Services Unit Price	1.25	1.50	1.75	0.00	0.00
Account Opening Costs	1,650	1,650	1,650	0	0
Servicing Costs	7,695	6,650	4,750	0	0
Servicing Unit Costs	0.95	0.95	0.95	0.00	0.00
Contractual Term	36	48	60	0	0
Industry	Financial Services	Financial Services	Financial Services	Financial Services	Financial Services
On Account Analysis					
Average Compensating Balance	0	0	0	0	0
Monthly Service Charge	0	0	0	0	0
Operating Costs	0	0	0	0	0
Earnings Credit Rate	0.00%	0.00%	0.00%	0.00%	0.00%
Earnings Credit	0	0	0	0	0
Cost of Funds Rate	0.00%	0.00%	0.00%	0.00%	0.00%
Funding Credit	0	0	0	0	0
Net Funding Credit on DDA	0	0	0	0	0
WARNING					

The final tab, Relationship Analysis, allows RMs to analyze any proposals and scenarios within the proposals to determine the effect on the profitability of the relationship. This tab reflects both credit proposals and Treasury Services / DDA proposals. Profitability can be reflected ROA, RAROC, or any profitability measure that the bank prefers. The bank can also input a hurdle rate that a proposal can be compared against. Finally, RMs can choose which pricing proposal and scenario to select for a particular deal.



Once RMs have selected a proposal for the customer, there is one additional step that might need to be taken. Depending on the size of the deal—or other parameters specified by the bank—the proposed pricing may need to be approved. The approval form for this step is shown below. Note that this for is not for deal approval, it is only for deal *pricing* approval.



This business value guide illustrates just a few ways that banks can increase profitability through more effective deal pricing. For more information please download the IBM Cognos Relationship Pricing for Commercial Banking Blueprint implementation guide at http://www.cognos.com/innovationcenter/. It contains valuable additional information functionality for areas such as:

- Credit Pricing
- Treasury Services/DDA Pricing
- Relationship Analysis
- Credit and Treasury Calculations
- Credit and Operational Risk Factors
- Corporate and Treasury Assumptions
- Hurdle Rates
- Cost of Funds
- Products Summary

SUMMARY

The IBM Cognos Relationship Planning for Commercial Banking Blueprint is quick-start solution that combines a best practice approach for leveraging both IBM Cognos 8 Business Intelligence and Planning solutions in a financial services environment. It is the culmination of what we've learned from working with the market leaders in banking, including all of the top 10 banks in the US and 9 of the top ten banks in Europe. The Blueprint was developed by the Cognos Innovation Center for Performance Management and is available at no cost to customers.

This *Blueprint* was designed to help your organization accelerate the realization of performance management. It provides the tools, disciplines, and industry best-practices that help financial institutions remain abreast of the latest operational metrics and business practices, while leveraging your existing investments in profitability planning and risk management. Additional *Blueprints* for financial services organizations include ones for risk-adjusted profitability, branch performance, and customer segment performance. For more information on IBM Cognos performance management solutions for financial services please visit www.cognos.com/banking.

ABOUT THE COGNOS INNOVATION CENTER FOR PERFORMANCE MANAGEMENT

The Cognos Innovation Center was established in North America and Europe to advance the understanding of proven planning and performance management techniques, technologies, and practices. The Innovation Center is dedicated to transforming routine performance management practices into "next practices" that help cut costs, streamline processes, boost productivity, enable rapid response to opportunity, and increase management visibility.

Staffed globally by experts in planning, technology, and performance and strategy management, the Innovation Center partners with more than 600 Cognos customers, academics, industry leaders, and others seeking to accelerate adoption, reduce risk, and maximize the impact of technology-enabled performance management practices.

ABOUT COGNOS, AN IBM COMPANY

Cognos, an IBM Company, is the world leader in business intelligence and performance management solutions. It provides world-class enter prise planning and BI software and services to help companies plan understand and manage financial and operational performance. Cogno was acquired by IBM in February 2008. For more information, visi http://www.cognos.com.

