



## Basel II with BI – a good start

*White Paper*

The release of the new international capital framework in June 2005, often referred to as Basel II, was a major development. It is composed of the now-familiar three pillars:

Pillar 1: minimum capital requirements;

Pillar 2: self assessment and supervisory review; and

Pillar 3: market discipline.

The major objectives of Basel II include creating a better link between minimum regulatory capital and risk, enhancing market discipline.

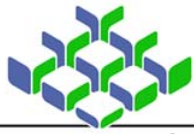
The last objective, since it is often overlooked: Data integrity and completeness of data.

Without correct, complete and integer data no high end consultancy company or financial advisor can help you to reach compliancy.

### **How to discover not integer, incomplete data?**

A possible solution to tackle this issue: A BI (Business Intelligence) solution on data all across your organization!

Read the following pages about Panorama BI and how we report on all data from any data source and department and create visibility on any incorrect data source with bubble up exceptions and alerts!



## Panorama Core Technology

One of the most interesting and innovative concepts for BI is – **Panorama NovaView Smart Reporting** (formerly known as Unified reporting).

The traditional reporting market has been steady for many years with solutions that mostly help IT people easily run queries on their relational databases. Such reporting is, and always will be, complex to set up and require constant technical customization and intervention whenever new reports want to be created.

Reports are also disconnected from analysis data and scorecards. When someone gets a report there is not way they can start performing analysis on that data from that report... drill down, slice and dice. If that is what they want, they need to switch to another application and perform their analysis totally disconnected from their reporting world.

Since reporting and analysis are disconnected, an analyst that has performed a deep analysis and wants to transform his view into a report cannot do that.

### ***What have we done?***

We built a reporting solution on top of the UDM, the same UDM that serves us to perform analysis, KPIs, scorecarding - now also includes reporting.

Because we use the UDM but mostly because we have **the most integrated BI server in the industry** we allow users to switch from analysis into a report and from a report into an analytical view in a **single click**.

### ***What's the value for our customers?***

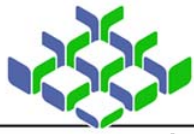
**A reporting revolution!** Weather it's Cognos reportNet, Microsoft Reporting services, BOBJ crystal reports – these are all “Old School” reporting solution. With our solution a company sets up the foundation for all their BI needs one time! It's the UDM (think about it as the MS version of BOBJ's universe). Once done, end users, information workers, executives and analysts can author reports in a single click, a report consumer can now decide to drill down deeper into more data in a single click (Even Microsoft does not offer any reporting solution on top of the UDM.)

### ***Anymore value to customers?***

YES YES YES – Smart reporting also allows users to slice and dice, drill down and up all through a VERY simple report interface.

Why do people like reporting more than analysis – because it's a format they like to read and better understand! So Smart Reporting can also be used by information workers and executives that do not want to use cross tab technology. Through a simplified “Table view” everybody is familiar with, users can filter, slice and dice in a click of a button. – **we removed the complexity of analysis to provide more users within an organization the ability to use BI to make smart decisions!**

**In order to really understand what we've done read these few paragraphs on what is the UDM:**



## Introduction

An end-user wishing to retrieve information directly from a data source, such as an Enterprise Resource Planning (ERP) database, faces a number of significant challenges:

- The contents of such data sources are often very **hard to understand**, being designed with systems and developers rather than end users in mind.
- Information of interest to the user is commonly distributed among multiple **heterogeneous data sources**. Even if dealing only with different relational databases, the user needs to understand the particulars of each (the dialect of SQL used, for example). Worse, those data sources might be of quite different types, including not only relational databases but files and web services.
- While many data sources are orientated towards holding large quantities of transaction level detail, many times the queries necessary to support business decision making involve summary, **aggregated information**. With increased data volumes, the time required to retrieve such summary values for interactive end-user analysis is often prohibitive.
- **Business rules** are generally not encapsulated in the data sources. Users are left to make their own interpretation of the data.

The role of a **Unified Dimensional Model (UDM)** is to provide a bridge between the user and the data sources. A UDM is constructed over one or more physical data sources, and then the end user issues queries against the UDM using one of a variety of client tools, such as Microsoft Excel.

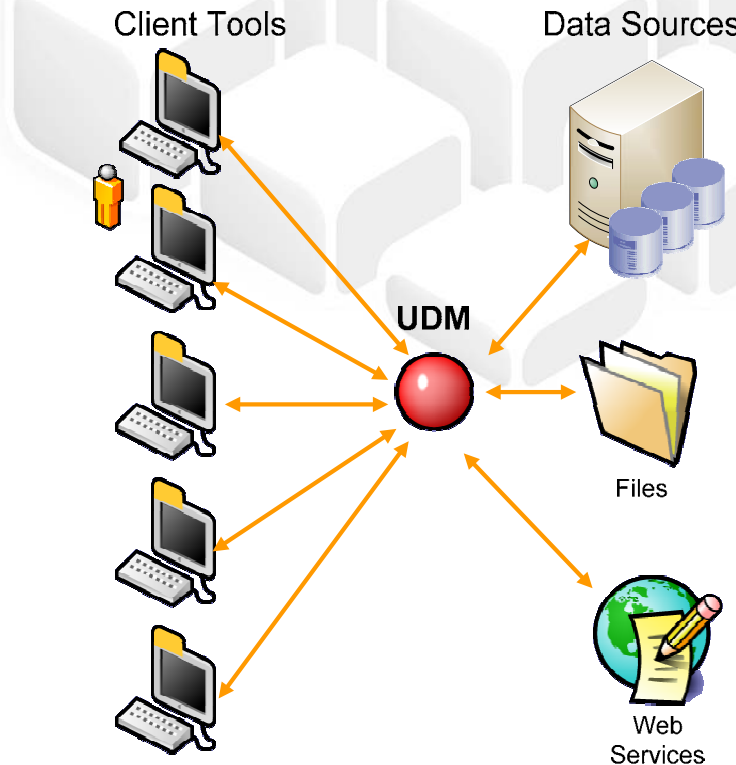
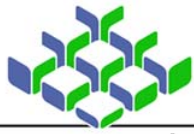


Figure 1. The UDM provides a bridge between end users and their data



## Panorama NovaView Analytics

Compared with other major BI solutions in the market today, Panorama NovaView has been identified as the best analytics tools available today.

NovaView analytics has the power to meet the most demanding BI requirements with a number of innovative concepts and technologies such as:

**Guided analysis:** NovaView Analytics takes users step by step through the analysis process to guide them to the information they are looking for even if they don't know where to look for it.

**Bubble-up exceptions:** For many companies, management by exception is a key technique for improving performance and efficiency. NovaView makes management by exception possible with a critical new tool: bubble-up exceptions. Management by exception means that users won't spend their time combing reports for significant changes, and can instead focus on executing on their day-to-day jobs and strategic objectives. Management by exception also means fewer missed threats and opportunities.

It ensures that the most critical changes in their key processes are seen by the people who can take action. Bubble-up exception reporting is a mechanism whereby triggers can be set, either at the corporate level or by individual users, to notify users.

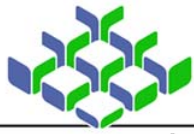
**NovaView Offline Analytics:** When questions arise, your users may not always be behind your network firewall to get to the data they need. With NovaView offline analytics, sales people, analysts, engineers, or the CEO can bring their work anywhere and always have the best insight available.

NovaView's guided analysis and bubble-up exception capabilities means leaders and information workers spend their time improving performance instead of drowning in data or buried in reports. And offline analytics means they are never out of reach of the right answer.

## Panorama NovaView Smart Reporting

NovaView Smart Reporting is the most innovative reporting solution among BI systems available today. Smart Reporting helps users and organizations transform their reporting solution in to a smart solution. A user viewing a report can instantly dig into the data contained in the report to perform further analysis using a uniquely intuitive interface.

Alone among BI reporting solutions, Smart Reporting enables any information worker to author reports without any IT involvement. Smart Reporting removes the obstacles too often presented by reporting and



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analysis complexity. Now users can go beyond static reports and get the insight they truly need to make decisions in a very intuitive application.

By erasing the border between reporting and analysis, Smart Reporting eliminates wasted effort from manually reworking the data. It also encourages further insight and action by allowing users to pursue new avenues of inquiry the moment they spot them.

### **Panorama NovaView Dashboards, Scorecards, and Visuals**

The Panorama NovaView platform allows companies to deliver BI in the most relevant and easily understandable formats through a complete set of BI tools. Results can be presented as balanced scorecards, dashboards, or as sophisticated visualizations that reveal the key trends and relationships.

Visualize your business strategy through the NovaView Dashboards or our NovaView Scorecards to show KPIs and scorecards in the most intuitive way. With the advanced analytics capabilities of the scorecards, users can drill down from a KPI into the underlying data to understand causes and effects.

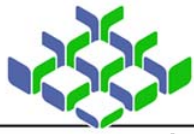
Sophisticated charts and advanced visualization tools help your users to better understand the results they get, compare different sets of results, see trends clearly, and take the correct action in response to their business intelligence.

### **Panorama NovaView Business Modeler**

NovaView Business Modeler enables information workers and managers to see and define the entire business strategy. They can define business models and business strategies; define relationships between projects, people, and departments; and define the goals for each strategy. They can apply a methodology such as Six Sigma or Balanced Scorecards and Panorama NovaView business modeler will automatically build the OLAP cube and bring in the data in a seamless way.

By giving business users the ability to create, model and define strategy and doing so without the complexity of technology and help from the IT department, NovaView Business Modeler removes much of the expense, time, and risk involved in implementing and growing your BI solution.

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## NovaView User Environments

A BI solution built with Panorama NovaView can reach its users where, when, and however they want. This kind of reach and flexibility is a key ingredient in making BI work for the organization, rather than the organization working to adapt to the BI system.

With Panorama NovaView, results can be accessed through a collaborative Web portal environment, through the NovaView client, or directly in Microsoft Office applications like Email, Excel, or MapPoint. Through the Microsoft SharePoint-based Web portal, SAP Portal users can personalize their view so they can see their results in whatever way suits them best. So sales data can be viewed geographically, financial results can be viewed through complex charts, and manufacturing data can be connected to schematics and plant diagrams – all on the same system. They can share data, collaborate, and work individually towards their shared goals.

This flexibility means that a BI solution with Panorama NovaView can be created deployed fast and be accessible to users in the familiar tools they can already use. And over time, the sophistication of the system can grow to meet any need.

## Panorama: The Right Choice [www.panorama.com](http://www.panorama.com)

With Panorama NovaView and Panorama's unbeatable expertise and support, companies can create BI solutions that fit *all* their needs, not just their technical requirements. The organization as a whole gets the power, control, and long term viability of a complete BI system. And each individual user can get focused on the most important and relevant data they need and focus on building the business.

With Panorama, companies go beyond BI to engage in proactive business management.

## Smart-View [www.smart-view.com](http://www.smart-view.com)

Smart-View is a fully privately owned Romanian company, founded in January 2004. Smart-View is the first partner of Panorama in Romania, has only certified staff and has successfully deployed Business Intelligence in Banks, Insurance companies and Service Centers. Smart-View is focused on Business Assurance (Panorama) and Business Intelligence (Ba-PRO), Smart-View deploys solutions for all back-office systems (SAP, Oracle Microsoft et cetera). Panorama as well as Ba-PRO is SAP certified partner.

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