

Panorama NovaView® 6.2

Panorama NovaView 6.2 is a comprehensive, tightly integrated suite of web-enabled business intelligence applications, offering the best of query and analysis, formatted reporting, performance dashboards, KPI scorecards, modeling, advanced visualization, and automated report distribution. With Panorama NovaView, you can easily view the facts about your business and then move beyond facts and reporting to managing performance and results.



Panorama NovaView is truly business intelligence for everyone. It can help everyone in your company make better, faster, more profitable business decisions and then track the results of those decisions.

Known for its intuitive and easy-to-use interface, Panorama NovaView puts a powerful set of tools at your fingertips, whether you're a novice or an experienced analyst, a CEO or a store manager. You can align organizational goals with daily actions through monitoring tools such as dashboards and scorecards that tell you, in real time, how you're doing and help you decide what you need to do next, and you can drill down into more depth through reports and analytical tools that give

you deeper visibility into your business.

Panorama NovaView provides an easy way to generate reports, dashboards and analytical views on a wide variety of organizations' data, including modeled OLAP databases, raw relational databases, flat Excel or CSV files, Web Services and in-memory MS PowerPivot cubes. Panorama NovaView brings the power of OLAP multidimensional analysis in a simple way to the end user on top of any data leveraging the full power of MDX to enable users to perform powerful interactive analysis.

Get the information that's relevant to you

Instead of wasting hours searching through spreadsheets and green-bar reports, you can get to the right information within seconds with NovaView. You can focus on what's most relevant to you – and skip the rest. Advanced exception management and data visualization helps sharpen your focus on the key metrics of your business.

Panorama NovaView provides your users the ability to access personalized and relevant information through a web browser that integrates all the information needed – from crosstabs, pivot tables and charts to advanced exceptions and smart reports that can be formatted down to the smallest detail.

Panorama NovaView suits the full spectrum of users across your organization. Executives and managers can access clean, animated and visually appealing dashboards that offer business insights for critical decision making. The casual user can leverage NovaView Flash Analytics to drill down, drill up, create exceptions and examine performance at the store, region or product level. For the experienced analyst, the options offered by NovaView's flexibility are almost endless; it can present a comprehensive view of the business that has great depth and clarity.

Comprehensive NovaView BI Suite

- ▶ **NovaView Analytics** allows quick and easy query and analysis through an easy-to-use interface. You can quickly find the top 25 or bottom 25 selling products in a sales region, or, with a couple of clicks, compare monthly sales figures to monthly goals, budget figures or the same period the previous year. Alerts and Bubble-Up Exceptions can be distributed automatically, offering business-critical insight that drives action including late payments, product line performance and product restocking requirements.
- ▶ **NovaView Flash Analytics** was designed collaboratively with Google and delivers the most intuitive analytics user interface and user experience, allowing casual information workers to do what once used to be the task of the experts: navigate through large amounts of data to generate important business insights. By using Flash technology, the solution ensures self-discoverable features and simple data navigation.
- ▶ **NovaView Smart Reporting** enables the creation and formatting of boardroom-ready reports with a few clicks. Unlike other reporting tools, NovaView reports remain fully interactive and offer the option of embedding powerful visualization objects. Smart Reporting has scheduling and distribution capabilities that will ensure the right people get the right visibility at the right time.
- ▶ **NovaView Spotlight** brings the most important BI data into the place users spend most of their time in – Microsoft Outlook. By adding a non-intrusive side bar to Outlook, users can track and monitor the most important KPIs or key metrics from any BI report.
- ▶ **NovaView Dashboards** enable users to create dazzling flash-based, interactive dashboards that offer a quick view of the business health and trend lines, based on a powerful customizable KPI function. The dashboards can also be integrated into commonly-used or custom made portals including Microsoft SharePoint 2007 and 2010.
- ▶ **NovaView Visuals** include multiple chart types and visual presentations to enable data viewing in images rather than data grids. Advanced visualization features have been developed to work within the dashboard environment to enhance how users illustrate data and business insights. The latest release of NovaView includes new flash components that expand the HTML visual components.
- ▶ **NovaView TreeMaps**, as part of the NovaView Visuals package, allow users to easily find correlations between two measures. One measure is represented by shape and the other by color. This type of visualization is especially powerful when examining hierarchal data (i.e. comparing city, state, country, etc).
- ▶ **NovaView Universal Data Connector** - NovaView gained its popularity for its ability to provide powerful OLAP based data interactivity that gives users more power of exploration and insight generation. Universal Data Connector (UDC) takes your analysis beyond traditional pre-modeled OLAP cubes with a simple and web-based UI that enables connections to relational data sources such as RDBMS (including MS SQL and Oracle DBs), Excel files, CSV files and other sources. Unlike traditional reporting solutions, UDC makes the relational data sources accessible and models the data automatically, “on the fly”, enabling users to interact with the data and use all of the functionality available in the NovaView suite just as if it was OLAP data.
- ▶ **NovaView SharedViews** facilitates real-time collaboration with people inside and outside the firewall. Users can publish reports and display them in any web browser securely using a unique and intuitive flash user interface that enables real-time collaboration and full interaction with suppliers and partners.
- ▶ **NovaView SDK**, the Software Developer's Kit, gives software developers full access to the Panorama platform to deploy a tailored BI solution quickly.

- ▶ **NovaView for Microsoft Office** extends business intelligence functions into the Office Suite, letting users incorporate enterprise data into Excel projects, Outlook and PowerPoint presentations.
- ▶ **NovaView for PowerPivot / SharePoint 2010** is the only BI solution to support PowerPivot natively and provide innovative ways to access and analyze PowerPivot cubes instantly. NovaView extends PowerPivot by enabling web based yet rich and powerful analytical tools which can be used either as standalone or integrated into SharePoint portal. NovaView also provides a data security layer on top of PowerPivot cubes, readying PowerPivot for enterprise wide deployments.
- ▶ **NovaView Server**, scalable to support tens of thousands of users and terabytes of data, is the heart of the NovaView BI system. The server is responsible for the business logic, MDX analytical engine that manages the queries and information management for the entire NovaView solution. It keeps tight control over data access, reporting and workflow, while integrating seamlessly with SQL Server Analysis Services and other data sources. With one installation, the NovaView server supports the entire suite of Panorama BI tools.

A Better Way to Connect to Your Data

Panorama NovaView connects to OLAP, relational and PowerPivot in-memory data in a powerful way.

- **OLAP:** Communicates directly with Microsoft SQL Server Analysis Services using industry standard APIs, including OLE DB for OLAP (ODBO) and XML/A. Uses the originally invented by Panorama MDX language for querying and manipulating the multidimensional (OLAP) data.
- **Relational DBs:** Uses standard SQL to connect to almost any relational database to make data available as if it was prepared in an OLAP BI solution. Presents relational data side by side with multi-dimensional and personal file data in the same integrated NovaView Dashboard.
- **PowerPivot (in-memory):** Takes the best of MDX and DAX to provide an easy way to aggregate data and create custom calculations.



Regardless of your data source, you can drag and drop measures onto a crosstab, swap or nest dimensions in rows or columns and create new measures quickly, with no programming knowledge required. You also can drill down and up through easily navigable hierarchies including Year, Quarter, Month, Day, Region, Country or State/Province.

Easy-to-follow wizards also guide users in creating new reports and exceptions, filtering data, developing KPIs and creating derived (calculated) measures such as year-over-year variables. WYSIWYG previews can help users see how reports will look in print. Value filters enable users to identify products whose sales have increased or decreased during a specific time period, and then slice those products by line of business, region or product. For example, a manager could create a report quickly that shows sales of the fastest-growing products by sales channel, region/country or distributor. Integrated charts and maps provide visual ways to understand data. Automated alerts and exceptions help managers focus on what is really driving results or contributing to problems.

Time-based Analysis

Panorama NovaView excels at time-based analyses, knowing the current day, week or month and using that information to provide year-to-date results through the current day, week or month. A user only has to select the appropriate date level and Panorama NovaView does the rest.

Users can toggle back and forth from calendar time, to fiscal time, to reporting time periods. Panorama NovaView knows what time hierarchy is in use, so all of the time period comparisons work correctly, with no user intervention.

Panorama NovaView's Time Period Comparison dimension incorporates a wide variety of calculations with variances, including current period, previous period, same period last year, YTD, MTD and WTD. Current YTD, MTD and WTD can be compared to the same periods last year as well.



The Data You Need - When You Need It

With Panorama NovaView, users can sift through large volumes of data to gain the insights they need or identify the problems they need to solve.

- Select, filter and highlight subsets of data for further analysis, based on wizards and rules designed for business users.
- Use value filters, available from a pop-up menu, to select data sets based on Boolean logic, ranges, top and bottom count and top and bottom percent.
- Add sliders set to predefined filter values including the top 5, 10 or 25 sales representatives or accounts.
- Select dimension members or search for members based on alphanumeric characteristics (exact match, starting with or pattern).
- Leverage exception management to identify results above or below expectations.
- Use bubble up exception to identify poor performance at the lowest level of detail.

Key Performance Indicators

Panorama NovaView enables business users to create KPIs. With the KPI wizard, business users get step-by-step instruction for the type of KPI to be created (measures, ratios and differences), the measures to be used in the KPI, goal method, trends (previous periods, fixed values, budget columns) and dashboard images (gauges, traffic lights, arrows). KPIs can be displayed as a dashboard, scorecard component or within a crosstab. Users can drill down or up a KPI hierarchy to see how detail-level KPIs are contributing to overall performance.

The ease of working with KPIs supports collaborative decision-making. KPIs can be published to a NovaView Performance Dashboard or to a Microsoft SharePoint or mySAP portal directly. Line-of-business managers can spot-check YTD and MTD sales results against prior periods and budgets and then drill down into the data to understand what's behind variances. A manager can email a KPI directly from a dashboard to a colleague to get additional information.