What’s New in Diver | BI™ (7.0)

Summary
The purpose of this document is to briefly describe some new features available in the latest version of Diver | BI. Diver | BI (7.0) includes a number of revolutionary new features designed to improve user interaction with organizational data and speed BI content development. Diver | BI (7.0) is also fully backward compatible, and will continue to run Diver Solution 6.4 installations seamlessly as a drop-in replacement.

New features included in a Diver Solution upgrade

- **Workbench** – A new integrated development environment for backend processes.
- **Projects** – A new way to manage data and workflow from extract to display.
- **Diver | BI Bridge** – A central access point to all your Dimensional Insight applications.
- **DivePort | Si** – New UI options for your portals.
- **Improved DivePort Page Editing** – Undo and global cancel, as well as larger, simpler, faster controls.
- **Security Enhancements** – Lost password recovery, password hashing update, and password policies.
- **Seamless Migration** – Upgrade at your own pace. All legacy functionality is still fully supported.

New optional tools available with Diver | BI (7.0)*

- **Spectre** – Dimensional Insight’s new in-memory data engine offering enterprise customers superior performance and processing speed.
- **DiveTab** – Dimensional Insight’s information management and delivery platform for the iPad and PC.
- **DivePort | iN** – Supports data input from end users to integrate with system Diver data.

*Contact your sales rep for information on compatibility and pricing.
Workbench

Summary:

Workbench is our new integrated development environment. It allows users to manage their entire back-end process, from data source to portal, from a single tool.

Workbench combines features previously available in various tools, including Visual Integrator, Production, DiveMaster, DIAL and others, to allow users to develop integrated ETL processes from within a single application. The modular design and familiar look and feel of individual components makes it clear what users are working on. An integrated editor allows quick, easy customization, and an intuitive client/server interface ensures maximum portability between application servers.

Projects

Summary:

Users of Workbench now have the ability to manage their work in discrete Projects. Projects provide BI content developers flexibility and portability.

By organizing work around only those files actually required for a task, users will easily gain a deeper understanding of their own processes, allowing more efficient organization and workflow. Project contents are displayed in an easy to follow tree view structure organized according to the requirements of the project itself, rather than the file system.

Migration between Development, Testing and Production roles is eased through enhanced portability and seamless DiveLine integration. Access control is managed at the project level. Entire projects can be moved from one server to another simply and easily for testing, validation, and end user consumption.
Diver | BI Bridge

**Summary:**

Manage all your portals and applications through a single URL, using Bridge. Users authenticate to one portal and are presented with all the applications to which they have access, simply and seamlessly. Bridge support SSO integration, and allows users to access 6.4, 7.0 and specific Dimensional Insight applications.

The Bridge will manage both Applications and outside URLs, any content you wish to provide to your users, all behind a single login. An essential tool for managing a phased migration to 7.0.

DivePort | Si

**Summary:**

DivePort 7.0 offers a new design standard we call DivePort | Si. This modern, easy to use UI for your portals enables all the display types you have come to expect, but with new controls to allow faster, more intuitive navigation for users, and easier page setup for content developers.

Refresh your portals and present your users with a consistent look and feel across devices.

DivePort Page Editing

**Summary:**

DivePort page editing controls have been reworked with larger, clearer controls to allow easier editing by BI content creators, and the inclusion of sought after features like Undo and page locking.

Increase the rate of your content development with improved administrator tools.
Security Enhancements

Summary:

New security features have been added to better protect your organizational data.

Additional security features include:
• Password hashing update – passwords are never stored on the server, only a hash is and that with increased strength.
• Password reset requests – Portals may be configured to allow users to initiate password reset requests directly from their browser without having to leave the application or requesting help from IT.
• Strong password rules – Rules may be configured around any business or regulatory requirements, including length, presence of capitals, numerals, special characters, multiple non-repetition, and expiration.

Seamless Migration

Diver | BI (7.0) is fully backward compatible, and was designed as a drop-in replacement to version 6.4. All classic Models and existing portals will work as before. The pace of adoption of new features is entirely up to the customer, their business needs, and their comfort level.

Redesigning the back end process to make use of the Spectre features is likewise flexible. Integrator and Builder scripts can be modified to produce cBases rather than Models in a few simple steps. Models can be replaced with cBases directly in Markers and DivePlans, and a helpful conversion tool is available for bulk conversion of Markers.

Diver | BI (7.0) is designed from the ground up to provide flexibility, continuity, and above all performance.
Spectre

Summary:

Our new enterprise-level data engine will provide users with previously unprecedented performance, especially with larger, more complex dives. This columnar database technology has been shown to speed performance by orders of magnitude, and greatly expand the scope of problems the Diver Solution will solve.

By radically altering the method used for data summarization and taking full advantage of the many new software tools and hardware improvements of recent years, the Spectre engine allows much larger data sets to be processed faster and more efficiently. Spectre cBases are both smaller and faster than traditional data Models, and complex dives take much less time to complete.

Traditional file size, column count and dimension limits have been removed, the need for consolidated multi-models has been eliminated, and overall file size has been drastically reduced. In addition, time to build has been curtailed considerably, allowing streamlined ETL processing.

All Dimensional Insight clients (ProDiver, DivePort, NetDiver and DiveTab) are fully Spectre-enabled, and Spectre-enhanced back end processes are fully supported in Workbench.

Why Spectre?

Your organization’s data is growing substantially year-over-year – so too are the number of data sources you’re being asked to bring together into a common view. While our traditional model-based engine may be suitable for most increase performance and user response/query times for larger and complex datasets eliminating some of the common limitations present when using the traditional engine.

Benefits For Developers
- **Big Data Ready** – Easily process and manage 500M – 1B rows of data
- **Shorter Build Times** – Build windows can be reduced as much as 80% making current data available to users more quickly for analysis

Benefits For Users
- **Unlimited Dimensions** – The 32 dimension limit present with our traditional engine is no longer required
- **Faster Multitab Displays & Dives** – In-memory columnar data design does not require data to be pre-summarized, which decreases response time to a query
- **Faster QuickView Processing** – QuickView selections return results to end users with much less latency
DiveTab

Summary:

DiveTab is an information management and delivery platform providing mobile users access to unstructured content and structured data through guided data navigation and one-touch access using an iPad or a PC. It works with the DiveLine server to ensure secure, controlled distribution of your data and other resources such as presentations and documents.

With DiveTab, your end-users can explore and analyze your data as well as access other types of information: documents, presentations, repositories, and websites.

A DiveTab application presents the end user with a Menu of buttons. Each button is linked to pages designed to display Data Areas or Non-Data Areas. Four different Page Types can be used to display data. There are also several options for display of additional content.

DivePort | iN

Summary:

DivePort | iN allows end users to supplement their Diver data with real time entry of data not found in their enterprise databases. Tables and forms can guide input and apply constraints for referential integrity. Applications can be developed within the Diver context to collect data when and where it is needed.

By using the developer tools for the DivePort input technology, you can implement data entry processes based on role-based and workflow-specific business needs. You can allow users to set goals, targets and threshold metrics for reports and dashboards, annotate their dashboards, make data corrections, or create and maintain a central repository of data needed by multiple users.