Table of Contents

Partnership

9 **Bisco Gets More Bang for Their BBx Buck** *By Laurence Guiney*

Learn how Bisco, with the help of BASIS Professional Services, moved to three-tiered architecture for greater scalability and reliability, and how they modernized the look and feel of their application to empower their users with new efficiencies, delivering substantial productivity gains.

38 **A Unique Business Opportunity** *By Paul D. Yeomans*

Throw away the gamebook, it's a whole new world for business software with open source, mobile, and cloud. Investigate the AddonSoftware Commercial Open Source partner program to add a dash of entrepreneurship to your tried-and-proven business software knowledge and work ethic.

47 **How Business Apps Go Mobile** *By Patrick Schnur*

Join the new mobile app world to participate in great new business opportunities. Learn about the architecture and development choices for mobile data-driven business applications, and how BUI is the most cost effective and risk-free way to go.

65 **Prodin Blends BASIS With Chocolate for Sweet Success** *By Patrick Schnur*

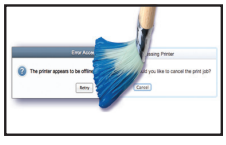
Take a nibble of this sweet success story and savor how Prodin and BASIS Europe unified the IT landscape for European chocolatier, Stollwerck. The task was to replace the SAP system with a new Prodin-BBx solution to support 300 users in 3 countries, annually shipping 700,000 pallets of chocolate.

87 **Efficiently S€PArating Your Customers From Their Money** *By Patrick Schnur*

Offer just the right payment options for your web store, whether you need to comply with Europe's new S€PA guidelines or are free to explore other choices. Implement an AddonStore to deliver the right options easily and by default, thanks to AddonStore's modularized structure.

Language/Interpreter

6 **Default CSS Gets a Makeover** *By Nick Decker*

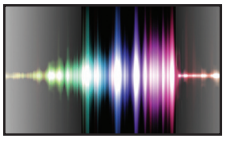


Improve your BUI applications instantly with a new default BUI cascading style sheets theme. Any new or existing BUI app benefits from the updated default theme and almost 1,000 modifications to nearly 800 selectors, without requiring any extra work by developers.

12 **A Bountiful Selection of New CSS Selectors** *By Nick Decker*

Gain the power to create even more advanced and customized user experiences with an abundance of new CSS selectors. BASIS has shifted its CSS capabilities into overdrive. Go forth and customize!

43 **BUI to the Max – Amp Up and Fine-Tune** *By Jim Douglas*



Maximize BUI's performance and fine-tune the appearance of your app to look more like a web application and less like one transplanted from the desktop. Now is the time for you to tune up your BUI application!

51 **BBj's CUI Gets a Big Power Boost** *By Aaron Wantuck and Adam Hawthorne*

Look at this win/win situation in which users enjoy faster CUI response times while BASIS enjoys code that is cleaner and easier to maintain. Using the SysConsole with a Web Start program or the TermConsole to run a character based application gains an average speed improvement of around 25%.

53 **Automate BUI Deployment With the API** *By Jim Douglas*

Get your BBj app running as a BUI web app in just a few minutes. The updated BUI API handles this with ease. Also learn about the new BUI "load image," "busy indicator," and "end action" features.

58 **Mix 'n Match Data Structures Between BBj and Java** *By Adam Hawthorne*

Learn some of the tricks and tips of the BBx language in BBj and the BBj API for using Java objects within your applications.

62 **BBjServlets Serving Web Content** *By Brian Hipple*

Delve deeper into taking advantage of the BBjServlet's capabilities built on the protocol used by the World Wide Web. Stateless and built on the HTTP protocol, BBjServlet is the simplest way to share data and business rules with disparate systems.

DBMS

56 **BBj DBMS Now Leaves PRO/5 Data Server in its Dust!** *By Chris Hardekopf and Jeff Ash*

BASIS refactored the filesystem to dramatically improve concurrent read access. The BBj DBMS now better scales concurrent reads so multiple readers can more quickly access the same file at the same time, without any application code changes.

68 **Replication Enhancement** *By Jeff Ash*

Satisfy your need to include or exclude items that match particular filter criteria with the introduction of new glob and regex exclusion filters built into the replication interface. Replication configuration just got easier!

73 **Revealing the Enhanced Data Dictionary** *By Jeff Ash*

Meet the new enhanced data dictionary with its increased entity name limits, foreign key relationships, scale and precision, and date formats definable by column. Easily convert your old data dictionary with the Enterprise Manager Wizard.

Development Tools

21 **The Toolset of the Future** *By Kevin Hagel*

Learn why BASIS chose to invest great time and many resources to move the development tools to the Eclipse environment, making your BBj project development life easier and more productive. Test it by following some simple getting-started tutorials that continue online.

System Administration

76 **Enterprise Administration To-Go** *By Jeff Ash*

Use the new browser-based Enterprise Manager to manage and configure any BBj installation from your mobile device of choice. Requiring no Java on the client and no need to install any plug-ins or applications, managing your installation(s) goes with you anywhere you go.

Building Blocks

16 **Barista Creations – Add Your App, Stir, and Enjoy** *By Christine Hawkins*

Develop in the Barista Application Framework to inherit new feature and function for your application without any development effort on your part! Recent enhancements include configurable and more sophisticated error handling, and filtered queries on forms and individual fields to further boost user productivity.

41 **We've Got Mail, so You've Got Mail!** *By Amer Child*

Add value to any BBj application with an easy, no-cost email solution. Use two new classes – EmailDialog and EmailContact – to send emails from within any BBj GUI or BUI program, access a contact list with a click on the [To:] button, or attach a report to your email with the click of a button.

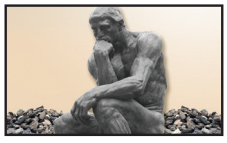
70 **Customize and Beautify Barista Apps With CSS** *By Ralph Lance*

Meet the challenge of corporate and product branding by applying CSS to your Barista applications, without changing the code base, while improving the usability of your application.

81 **Customizing Fonts in Barista** *By Ralph Lance*

See how BASIS granted the wishes of Barista developers by adding the ability to specify font family names, sizes, and styles. Apply these font customizations as you build forms in your Barista-generated applications to increase legibility and the overall user experience.

89 **BBjToJavadoc Documents Your Masterpiece** *By Brian Hipple*



Take advantage of this tool that can do the dreaded post-development task of documenting your finest object-oriented masterpiece. With little effort, you can generate your documentation – quickly, easily, accurately – formatted in the familiar and modern look and feel of Oracle's Javadoc tool.

93 **Double Your Pleasure With Eclipse Documentation** *By Susan Darling*

Uncover the new Eclipse documentation that is accessible two ways. Whether you prefer to view documentation in the traditional BASIS Help or within the new Eclipse plug-in, the choice is yours. One set of docs...two forms, two locations.

Columns

79 **BASIS has GitBug Control, Get Git too!** *By Shaun Haney*

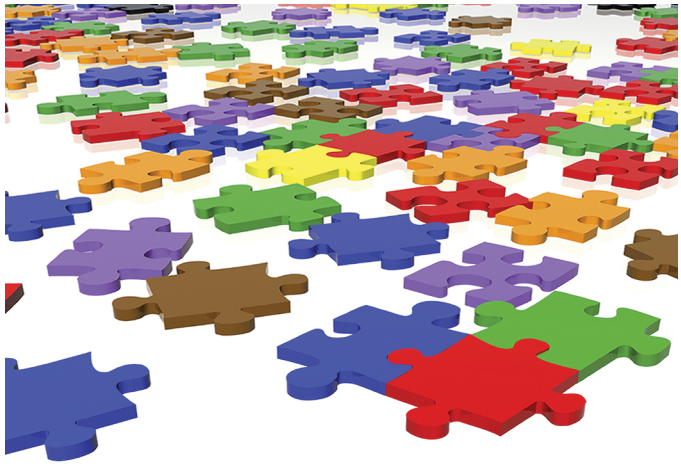
Take action now with Git to facilitate the annoying need to back out a pesky bug after several revisions to the app or when you need to upgrade a heavily modified app while maintaining your customizations. Read about the benefits and how to 'Git' started.

84 **New Age of Application and Language Testing** *By Robert Del Prete*

Peek into the new BASIS testing process with automated tools that perform tests, track results, and provide timely feedback in a fraction of the time that once took a manual tester to accomplish. The result is a better quality product for BASIS developers and their customers.

96 **The Shortest Path to the BASIS DBMS and Zero Deployment** *By Bruce Gardner*

Modernize your PRO/5 or Visual PRO/5 deployment by following this simple path, especially forged for you by the BASIS experts. Follow these three easy and logical steps that add power, flexibility, and scalability to your application deployment.



3D Tek
Innovative Search Solutions

Finding the perfect match is an art, not an accident.

Technology is constantly evolving at BASIS International, and along with it, so are your staffing needs for BBj, VPRO/5 or Barista professionals. At 3D Tek we are dedicated to helping you maintain your competitive edge by finding the right professionals for your company.

Our custom search solutions go beyond conventional recruiting, allowing us to locate, recruit, and bring employees on board who not only have the talent and skill set you need, but who share your goals and reflect your company culture.

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