

ProNews

Valuable Information for the iSeries Professional

Do DBU for \$10 a Day!!

Activate DBU for one day for \$10, or any number of days for \$10 a day! DBU 7.0 now supports a fast, convenient method of activating DBU on any iSeries server or partition anytime, anywhere.

Whether during research, testing or whenever the need arises, DBU can be activated "on demand" for \$10 a day on **any server** or **any partition** at **any time!**

A 'must-have' for consultants AND for those companies with multiple sites or rarely accessed systems.

Here's How DBU-on-Demand Works:

1

Activate

Call our sales team at 800.228.6318 and purchase a prepaid 'reserve' amount for occasional use on any partition or iSeries system (\$10 a day with a \$300 minimum).

2

Enable

When you need to use DBU, access codes can be obtained via our client portal or from a green screen command. DBU can be enabled on any partition or iSeries for one day or any number of days!

3

Use

The server will automatically utilize the reserve of \$10 per day for unlimited green screen and unlimited DBU/GUI users on the iSeries or partition you enable.

This is great for those 'seldom touched' systems or partitions and a lifesaver in emergency database situations. Use DBU for ten dollars a day anytime, anywhere! Contact us today to activate your on-demand account and pay only when you use DBU. **Do it with DBU!**

Your Company can Sponsor this Dragster!!

*See **Power on Demand** on IBM's Web site at*

<http://www-03.ibm.com/servers/eserver/iserries> Hartley Racing at it's BEST!!

prodatacomputer.com

800.228.6318

sales@prodatacomputer.com

Web Development for RPG Programmers

Whether your business is providing information to customers or giving remote users access to company functions and processes, web applications are becoming a part of daily IT life. The question for most companies is "How do we get our data and processes to the web?". You want a solution that will leverage your existing processes, easily access and update your data, and have a minimal learning curve. If you are an iSeries shop with RPG programmers, that solution is RSP (RPG Server Pages).

RSP integrates HTML and RPG, enabling developers to **create web applications visually while using RPG** for the logic language. This is similar to JSP (Java Server Pages) and ASP (Active Server Pages), the two most popular web development technologies in the world. Using RPG as the logic language helps reduce developers' learning curve and lets them use built-in RPG opcodes for database I/O. A RSP program can call existing programs on the iSeries as well as service program procedures. RSP accommodates the use of free format RPG (V5R2 and above) and embedded SQL (with the IBM SQL toolkit). RPG logic can be "wrapped" around blocks of HTML to condition or modify the resulting web page. RPG variables or data from files can be embedded into the HTML for display on the web page. A typical snippet of RSP code might look like this:

```
<%
  * Load the Specials table
  C      Ky@Spec  SETLL  Specials
  C      READ    Specials
  C      DOW     Not %Eof(Specials)

  C      Ky@Book  CHAIN  Books01
  C      IF      %Found(Books01)
%>
<tr>
  <td nowrap><%= %Trim(BksTitle) %></td>
</tr>
<%
  C      ENDIF
  C      READ    Specials
  C      ENDDO
%>
```

The above example reads a file called SPECIALS and, for each record in the file, displays the data in the field BKSTITLE on the web page. Unlike 5250 screens, web pages are written top down. When creating a dynamic web page it should be treated like a printout. Information is displayed, in the browser, in the order it is written. Once it is written it can not be undone.

Web pages created with RSP can receive input from a user.

This is done with an html form. Forms allow users to input information into text boxes, make choices with checkboxes and radio buttons, and select values from drop down lists. The information entered can then be used to condition the next web page, write to an iSeries file, or start a process on the iSeries, just to name a few.

The RSP editor is a **WYSIWYG web page editor** that is RPG-aware. It includes RPG source line prompting and the drag and drop of source code. The editor also helps developers to maintain standard HTML, JavaScript, and CSS files.

RSP provides a runtime that's integrated with the Apache server on the iSeries. RSP doesn't generate free-standing CGI programs. Instead RSP pages are executed by the runtime in their own subsystem, enabling better control over system resources used for web applications. Developers can set library lists for each instance of the RSP server (i.e., test vs. production) ensuring that each process is accessing the correct data.

Web environments use sessions to track a user and give them a better web experience by retaining state across pages. To maintain a fast and secure environment, it's crucial to store session data on the iSeries and not send it back and forth to the browser via cookies. To address this requirement, RSP provides a built-in session handler. The session handler stores all session information in virtual memory on the iSeries. When a browser requests a web page, the RSP system identifies the user and makes their session available to the RSP page. The RSP page can then store and retrieve information in the session.

RSP provides Preprocessor and Postprocessor functions, which are user exits that execute before and after every RSP page invocation. The Preprocessor user exit's primary purpose is security, although it performs other functions as well. The Preprocessor can validate that a user is signed on to the web site and that they are authorized to view the requested page. The Postprocessor functions control environment cleanup and exception handling.

The iSeries is the most secure and stable server. Your web solution should not be a generic solution built for the "other" platforms and retro fitted to the iSeries. It should be a solution built specifically for the iSeries that leverages all the speed and security of this great platform. RSP is that solution. RSP can be purchased for just \$2495 per iSeries.

To receive a free 30 day licensed copy, contact Prodata Computer Services, Inc. at (800) 228-6318 or on the web at <http://www.prodatacomputer.com/DwnldForm.rsp>.



Shelli Peck

VP Business Development

What is your background?

After four years as a weather specialist in the USAF, I worked as a data entry supervisor during the day and went to college at night. I graduated with an associates in computer programming then a bachelor's in business at University of Nebraska at Omaha. In the meantime, I also moved into a position programming on the AS/400 at InfoUSA and worked there for ten years, ending up in upper management. Then I went into consulting and on to ProData in 2000.

What are your interests?

I live on a lake and so like to water ski, run, play sports with my daughters, and hang out there. I also love my job and so I'm interested in reading books and trade magazines associated with the position. And I love drag races!

What is the best thing about your job?

The people. I love the people I work with, I love the people I meet on the road at the conferences, I love the people I work with at the trade journals. All the good people make the world seem great. I feel blessed.

Shelli Peck is also part of the COMMON America's Advisory Committee and can be reached at speck@prodatacomputer.com

Preview of DBU 7.0

National Language Support

DBU 7.0 can now support more than just English displays! Contact us for details.

Quick Launch Icons

Save icons on your desktop for easy access to the GUI version of your DBU apps.

Export Database Records

Export single or multiple records to your PC in comma-delimited, XML or HTML formats.

DBU Tip-O-the-Day!

Optionally display usage tips for the first 30 day trial of DBU to become an expert user.

New Print Options

Print single or multiple records, selected fields, all in character or hex mode.

New Fast Commands

Includes UP for all uppercase entry, LOW for upper/lowercase entry, MLT for multiple record mode, and more!

Do you need a Top Fuel iSeries Audit Solution?

Audit everything, or just what you want, when you want. Now you can monitor and capture system AND database activity together for a total top-to-bottom centralized audit trail for iSeries. Easy as 1,2,3. Pick your files, pick your fields, pick your conditions to monitor then set it and forget it! Truly the DBU of iSeries audit!

Contact us NOW, if you need to:

- ◆ Capture system and data base activity regardless of the method
- ◆ Track only fields you need, ignore the rest
- ◆ Capture audit data only if specific configured conditions are met
- ◆ Send notifications via email, SMS, pager or AS400 message
- ◆ Attach files like PDF's, Excel or Word documents to specific audit records

Limited Time Offer: 10% off comprehensive auditing solution if purchased by March 31st!

Come See Us at the Conferences!



We love seeing our customers at the conferences. Stop by ProData's booth.

OMNI User Group

Chicago February 7

COMMON Spring Conference

Minneapolis March 26 - 28

Oracle Quest Conference

Nashville April 24 - 26

iSeries Connection

Naples, FL June 18 - 21

IBM Technical Conference

Orlando, FL May 8 - 11



iDigDrags Race Club

DBU is all about Power and Performance, and so is the maker of the product. His passion in his professional life mimics his passion in his personal life: RACING! Allen Hartley, the maker of DBU, loves to make things go fast. You can experience this first hand when you work with DBU. But you could also see that if you visit the racetrack. Join our Fan Club, iDigDrags, on our web site and get entered into our drawing for NHRA tickets today!

New iSeries? Free Tools!

Buy an iSeries box and our ServerProven software and get an instant IBM rebate! That's right, our products have IBM's stamp of approval as 'ServerProven' on the iSeries system. If you buy any new qualifying iSeries and **DBU, SQL/Pro, RSP, STE** or **DBUnifier** (each priced under \$2,500), IBM will send you a check for the same amount as the software cost!



Catch Decimal Data Errors in Database Files.

Since externally defined files were introduced, decimal data errors have plagued RPG programmers. These errors are caused by invalid characters appearing in a numeric field of a database file. DBU can help!

DBU can find decimal data errors. Search by field name or search the entire record by specifying *RCD. DBU will look at the numeric fields and determine if any of them contain a decimal data error. Errors can be manually fixed or the 'replace' option within the search function can be utilized.

If only a part of a field is in error, (for example the left byte of a nine digit packed field (five bytes on disk)), you can redefine the left byte as a one byte alpha field and have the replace function insert a X'00' in the field, which will fix the decimal data error. There are endless possibilities by defining a part of a field and then updating the field manually or with the 'replace' option within the search function.

Simplify your DBU Updates with DBU/GUI!

DBU comes with one FREE GUI license which is automatically installed on your PC at installation time. Besides the ease of accessing your files in a graphical manner, DBU/GUI provides the fastest and easiest way to update DBU on the iSeries. This is via the Tools pull-down menu option called Web Update.

Double click the DBU/GUI icon to enable the GUI. Then select the TOOLS menu and the WEB UPDATE option. The DBU Web Update dialog appears, listing each system you have configured in DBU/client, the IP address and the release date of each system, and a check box to select which systems you want to update. When you've selected the systems to update, click the Update button. A connection to our system will be made and a dialog appears to indicate the completion of each task in the update process. It's that simple!

"Overall I am very impressed with DBU/GUI. I used another iSeries GUI database utility in the market and it was unusable because of the speed. Your product seems very quick!"

*Alan Campin
San Jose, CA*

DBUnifier Beats DFU!

DFU is packaged with WDS tools which can be quite costly! Instead, try DBUnifier, a new menu-driven tool for creating interactive applications from DB2/400 database files, without any programming. With the capability to create selection lists (F4-lists processes), work with subfile processes, and create inquiry and file maintenance applications with field and record level validation, DBUnifier gives OS/400 shops a reason to send IBM's Data File Utility packing.

Check it out at www.DoDBU.com.

Look like a Java Developer, Even if You're Not!

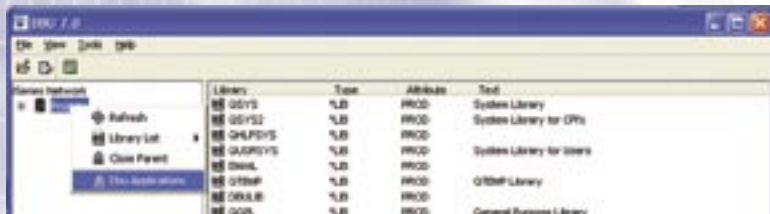
How to Install a Desktop Icon

NEW in DBU 7.0!

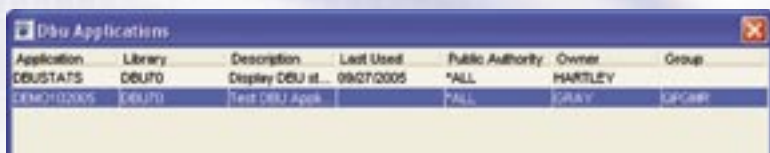
Use this to open a file in DBU immediately from the desktop, or start a DBU application from the desktop. Create a DBU application via the traditional green-screen interface, then save it and pull it up via the DBU/GUI! It's easy, here's how:

Start an application from the desktop.

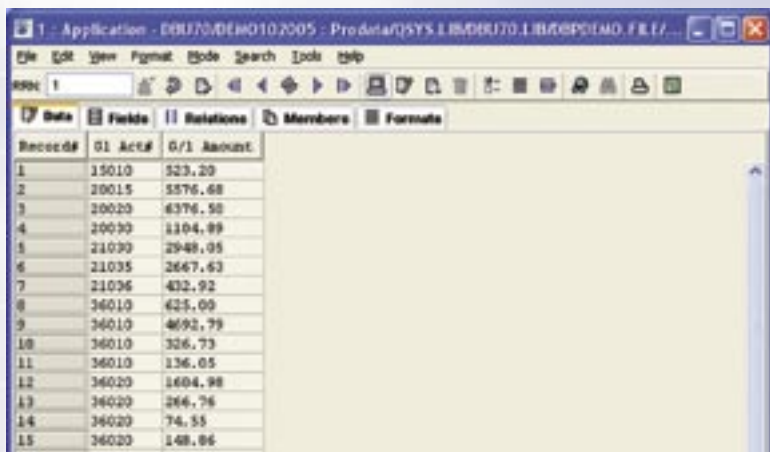
From the initial DBU/GUI screen, right click on the iSeries system name that holds the desired application.



Click on **DBU Applications**. A window listing available DBU applications will pop up. Click on the desired application, then click on **Select**.



The file and fields defined in the DBU application will be displayed.



Under Tools on the Menu Bar click on **Create Desktop Icon**.



The message Desktop Link Created will appear in the Status Bar at the bottom of the screen, and an icon will appear on the user's desktop!

Did you know...

- ◆ DBU/GUI does NOT require **Interactive CPW**.
- ◆ DBU makes it easy to read **journal receivers**. DBU incorporates the journaling function so you can see your journal broken down into fields instead of unbroken lines of text.
- ◆ With DBU, you can **access** data areas, data queues, journals, and users spaces.
- ◆ You can **reactivate deleted records** with DBU. Deleted records can be reactivated using a physical file or a logical that has been changed to relative record number sequence.
- ◆ DBU security is available. **Security** can be tightened for specific customer needs through individual restriction criteria over and above preset system defaults.
- ◆ DBU has the ability to **display multiple files** on one screen. Each file will be displayed in a window and each window supports all of the same functions available in full screen mode.
- ◆ You can create **Data Subsets** using DBU search capabilities. To create a subset of records reflecting your search criteria, key 'Y' in 'Create Subset of Records' within the search feature. Only the records which match your search request will be displayed.
- ◆ **Date last used** is captured in DBU. Database Relations displays date last used per file on the DBU Database Relations screen for file analysis and system cleanup use.