Diglets

Legacy nuggets

When z/Series was announced we all knew that 64-bit was coming to the mainframe world and huge address space was becoming available. Programs can allocate much more memory more easily maintain large database files and also show off certain performance optimization advantages over 31- bit. When the Dignus team saw that their products would need to be 64-bit at some point they sprang into action and spent more than two years to create the new 64-bit Systems/C and Systems/C++ to let programmers take advantage of the new z/Architecture capabilites. Since our announcements back in October 2002 we hadn't seen much enthusiasm for 64-bit capability, but as of this spring the trend is definitely changing. Large mainframe shops that handle vast amounts of data are now in the process of testing out our 64-bit compilers. The results are excellent and keeping within their performance and pricing considerations. Tests are on-going as customers evaluate overall performance when 31-bit code is recompiled to take advantage of the Dignus Systems/C and Systems/C++ compilers.

Winners Circle

Data 21 + Systems ASM
Facilitating the art of programming

"Adding the Dignus cross assembler really speeds up our development," says Mike Carver CEO Data 21.

Spring Issue 2003

Deliver Mainframe Reports via e-mail as ADOBE PDF attachments with Data 21 !
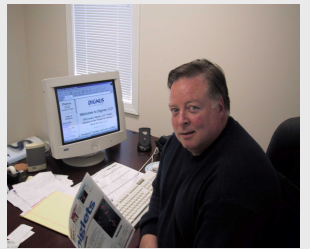
CAFE CAROLINA and BAKERY

Diglets

Imagine that it is 9:30 in the morning and the Dignus Team is feeling a little weak. Afterall there are at least 2 hours until we hit the buffet restaurants. Picture an egg and bacon creation wrapped in a slim pita slice with a refreshing coffee or ice tea. Cafe Carolina was founded in 1995 by Rob Autry, Jr. After a tremendous amount of research, Rob and his wife and business partner, Lisa, saw the need for a Raleigh restaurant in the up and coming "Specialty Bread/Bakery-Café" genre. The food is fresh and they make their own bread which means Dignus staff recharges their batteries within 1 minute from the front door. Thanks Rob and Lisa for a fresh idea and that North Carolina hospitality.

Marketing Dimensions

Results of the Dallas SHARE show are in and thawing out after one of the biggest ice storms in Texas. The Dignus team weathered the storm and braved the elements to have dinner at the PALMS Restauarant downtown. A little ice never stops a mainframer. The show floor provided great shmoozing opportunities with DTS Systems and PKWARE.

Dave's Corner

Once again, spring is in-the-air!

As with the foliage, things new are "popping up" here at Dignus.

It seems that 64-bit interest is becoming more of a reality, as our customers discover the 64-bit Systems/C and Systems/C++ offerings. Existing customers received these at no additional charge, and many are now "taking the plunge" into the 64-bit world. New customers are discovering how they can connect their existing programs with this new expanded environment using Dignus' programming facilities. In the coming months, we will be making announcements regarding new versions of our existing products and other exciting possibilities, as we continue to strive to bring you the best programming environment for the mainframe!

Thanks to everyone for their on-going support. We look forward to working with all of you!

As always...   - Dave Rivers -

COPI is an acronym for: • **C**omputer • **O**utput • **P**rint & • **I**nternet

As the full name indicates, **COPI** is a multifaceted technology solutions provider to users and vendors of the high volume computer output industry. **COPI** coined the term "Client Delight" to describe the level of satisfaction they are committed to providing. In 1977, **COPI** was founded to provide laser printouts of high volume computer data without requiring customers to assume the risk of buying what was, at that time, a huge unknown -- mainframe attached laser printers.

Over the last 20 years, their obsessive determination to ensure "Client Delight" has paid off in extensive recognition of quality, technical innovation, and philanthropy. They are also honored to be considered one of America's most successful Hispanic-owned enterprises. **COPI** makes it a high priority to promote cultural diversity in the free enterprise system and to serve as an advisor to many companies in its field.

What's the secret of their success?   Heart

They believe that to those who have been given much, much is required.

"COPI is a dynamic company that is always looking to optimize its developer's time and efforts. We were buying time on a large, remote OS/390 system with a mainframe C compiler. Compile turnarounds were long, scheduling was out of our control, and costs were high. We learned of Dignus from a client who was looking for a better C compile environment.

Finding a cross compiler that is fast, generates efficient code, and keeps our developers working on their desktops, not someone else's mainframe, provides a much needed sense of control and security.

Using **Systems/C** and **Systems/ASM** on a Windows 2000 platform means we can perform multiple compile and debug cycles per day. It also put us back in control of our development and means source code does not have to leave our company. The cost of the Dignus' products was less than we were spending on mainframe time in a single month. And the compiler supports more up-to-date features than our previous alternative. Finally, the support we receive from Dignus is excellent, fast, and far beyond the usual help desk responses," said Bill McDaniel, Chief Technology Officer.

Get With It !

by Mike

Diglets

Being prepared for the future exploiting new capabilities of z/Architecture processors is like my recent entry into the Georgia International Combined Driving Event (http://www.georgiainternationalcde.com). The combined driving event is an entirely new way to enjoy competing with our 7-year old Morgan mare, Spring Hollow Dark Shadow, at Training Level Single Horse. Though Shadow and I won the Dressage Competition, and went double-clean in cones we came in third overall by not being more attentive to the clock during Section E of the marathon in this new (to us) competition venue. When trying something new, it's difficult to keep all the details in perspective.

It is just this attention to detail that Systems/C & Systems/C++ take care of when converting or developing applications to exploit the new 64-bit architecture. Our 64-bit products were developed over the course of a couple of years and have been in the field for six months. These products can produce code that runs compatibly from MVS 3.8 to the latest release of z/OS. With a single compilation directive, that very same code can be recompiled to exploit the 64-bit storage model provided by z/Architecture. Our experience with this architecture enabled the Dignus team to deliver a product set that was the first, and is still the only, high-level language product supporting 64-bit execution.

So what are you waiting for? Take those C & C++ applications and recompile them to run in AMODE=64 with all of their data above the bar ... it just works. Let us know what you think.

Mike