

Pizzafest



Foodfest

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Inside Dignus



The first commercial C++ for Linux/390

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Success Story



Improving Livestock

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Legacy nuggets

An IBM mainframe without OS/390, who would have known? Linux has made "prime time" and is coming on gangbusters. From an obscure following to a mainstream operating system, all in less than a few years.

Watson himself wouldn't have conceived of such a bold move but IBM is betting the shop on Linux to shackle Sun and hold off Microsoft.

In the process, IBM is announcing a new generation of product offerings, focused at the mid-range server market which has traditionally been Sun's forte.

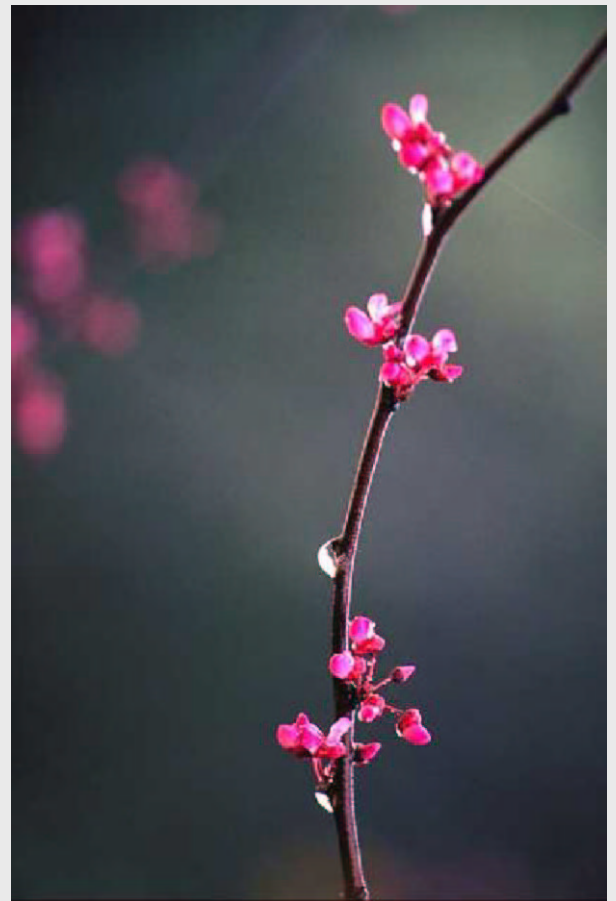
It seems that this Linux success can only expand at the expense of the new Unix installs.

Dignus is well positioned to take advantage of this new thrust with IBM and is announcing the first commercial version of C++ for Linux/390.

Winners Circle

Dignus is extremely pleased to announce it's first sales and support partner, Campus Technology in France.

Campus has very talented C, C++ and Assembler technical support staff and will offer first line support to their many mainframe customers in addition to selling Dignus products. Dignus is also in the process of securing high caliber partners in Japan, Australia, Germany and the UK.



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When the Dignus team works up a big appetite (usually 5 days a week) they hit Miltons for an all-you-can-eat buffet that includes huge ribs to test your canines, salad bar and 7 kinds of pizza. Pizza that just can't be beat anywhere, so when you come to visit Dignus, let's do Miltons. The super friendly staff know Dignus so well they save a table and have the drinks set up in advance. Dave refuses to tell his personal trainer the truth about Miltons. Big portions, Oh yea!!!

Marketing Dimensions

The Dignus Booth was well attended at SHARE in Nashville and at WAVV in Kentucky where the new C++ and enhanced assembler data sheets were gone in a heartbeat. Once again, Dignus gave out the complete supply of z/Series Reference Summaries. Thanks to the Godfrey Group, the company has two new product logos for Systems/C++ and Systems/ASM.



Dignus has reached an understanding to integrate and jointly market our products with SlickEdit, with over 140,000 users of its gold-standard editor software worldwide.



The partnership will encourage both companies to jointly present their products as part of a total z/OS solution to developers.





Dave's Corner

This spring, Dignus demonstrates its continued commitment to mainframe programmers. We are providing updates to our existing products, Systems/C and Systems/ASM, as well as a new implementation of C++ for the mainframe - Systems/C++.

Systems/C version 1.50 is an update for existing Systems/C users, containing improved code generation, and adding several new library features.

Systems/ASM version 1.50 (announced in April) is a major upgrade from the initial V1.10 release. Systems/ASM V1.50 contains support for 64-bit instructions and data, GOFF format objects and Associated Data (ADATA) debugging information. Also, Systems/ASM has added several new features to help in programmer productivity.

However, our new Systems/C++ is the most exciting addition to the Dignus product line. Systems/C++ is fully ANSI 98 compliant, including complete template support, Run-Time Type Information (RTTI), namespaces, etc. Systems/C++ also provides the industry-standard STL port library. Furthermore, Systems/C++ is the first commercial-grade C++ compiler available for mainframe Linux. Also, as with Systems/C, Systems/C++ offers extensive support for interfacing with the "bare iron", including our direct "in-line" assembly source, support for placing variables in registers, etc. And, like Systems/C, Systems/C++ has "IBM compatibility" support, being able to compile IBM C++ source and link the objects with IBM's C++ libraries.

Systems/C++ is a "must have" for anyone considering serious C++ development on either traditional mainframe operating systems, or mainframe Linux.

- Dave Rivers -

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Company Profile Livestock Improvement sets the standards for the world in dairy herd improvement through a unique national database which offers unparalleled traceability, world-class genetic improvement systems and laboratory automation solutions.

Livestock Improvement is one of the reasons New Zealand dairy farmers enjoy the lowest-cost milk production in the world, a result of the highest technology transfer rate (research to farm practice) in the world, national farm management and breeding strategies and the highest rate of genetic gain (for the New Zealand environment) of any dairy industry in the world.

The company's activities can broadly be described as GENETICS, INFORMATION and ADVICE.

Livestock was looking at renewing their annual mainframe version of C at a huge expense when Dignus entered with a cross-platform solution including our robust Systems/ASM. Testing went on for 3 months and at the end a big "two thumbs up" was received for Dignus products and support.

Now the Livestock Improvement Corporation uses a standard PC to develop their applications at a fraction of the previous cost.

Get With It !

by Mike

Diglets



Dignus, LLC continues its tradition of providing support for the most current IBM Mainframe functionality by shipping Systems/ASM V1.5 with full support for 64-bit assembler coding.

With the upcoming introduction of 64-bit support in Systems/C and Systems/C++, Dignus will provide the ultimate in 64-bit functionality, supporting mixed (24, 31 & 64-bit) storage and execution environments. Support for these mixed environments is a clear requirement as application and systems code begins to transition to provide for 64-bit exploitation and as well as for fully 64-bit enabled utilization. As with current releases, this upcoming version will allow Systems/C code to be used where assembler was required before. Enabling just those sections of

code that require 64-bit access to actually run in 64-bit addressing mode seamlessly in a C environment, while continuing to provide access to new and existing assembler-level services and macros.

If 64-bit is in your future, you need Dignus now!

Compiler Lingo

EBCDIC /eb's*-dik/, noun

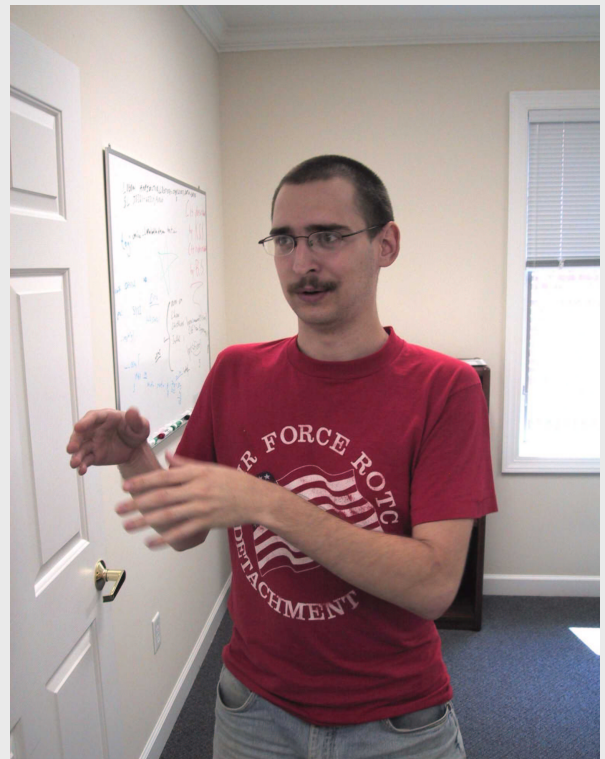
An alleged character set used on IBM dinosaurs ... featuring such delights as non-contiguous letter sequences ... Hackers blanch at the very name of EBCDIC and consider it a manifestation of purest evil.

- from the Jargon File.

So, who would have guessed I'd be working on mainframes now, in 2002? Long live MVS!

- X'C7998587' [Greg]

Dignus welcomes Greg Alexander to the Compiler Technology team. Greg comes to us from Indiana University where he has contributed to numerous papers on Compiler Nuances. He is advancing the art of our compiler software.



Dignus, LLC provides unique mainframe programming solutions that offer savings in time and effort, while streamlining development costs.

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