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NEW! Black Ice Application Generator for TIFF SDK

The TIFF Application Generator is one of a series of products which will be launched in the year 2000 by Black Ice Software, Inc. The purpose of the new product line is to enable developers and businesses to build Fax, TIFF, and document management type of applets in minutes without writing VB, Delphi, or C++ code. The Application Generator modular technology will be expanded to the Fax C++ and Voice C++ products as an add on.

This new technology will be the foundation of the next generation of products from Black Ice Software Inc. The target market of these new upcoming products is the Computer Telephony CT market, and more specifically the fax/voice industry, document imaging, insurance, banking and etc....

BrookTrout News

The Brooktrout fax driver installation is a serious challenge for many of our customers. To alleviate the pain associated with this process, Black Ice Software has developed a windows application which will install the Brooktrout drivers on the NT or Win95 /98 platform seamlessly.

Dialogic Related News

Black Ice Software is committed to CT Media and will begin rolling out products for CT Media. CT Media will be implemented first with the Impact product line, starting with Impact Fax Server and award winning Impact Voice Mail Server Deluxe.

SC Bus support will be released in April for high-density Dialogic boards. The SC bus allows high-density systems to efficiently share resources so that multiple technologies can be connected to each port as needed.

DNIS for Dialogic. The GlobalCall software provides a uniform application programming Interface (API) for multiple network interface technologies. The GlobalCall API is designed to support a variety of protocols for E-1 CAS, T-1 robbed bit, ISDN, and other interfaces. It provides a consistent application interface for the various protocols and technologies, and uses the same input and output parameters at the application level to configure and control the different interfaces. Black Ice Software continues to support the analog loop start interface through the standard voice library.

Black Ice Application Generator for TIFF SDK

The target developers are business people with limited programming experience, Microsoft Visual Basic, and Borland Delphi developers. This technology enables business people to concentrate on the solution instead of the programming and deliver a solid commercial application.

Application Generator has two components, the script editor and the run time engine.

The script editor is a visual application builder with a built in simple debugger. The user selects a predefined module and each module is a node. Each node has an entry point for input and a single or multiple exit points for output. The input to a node can be a script variable, a device output or a file. The exit points can lead to the next node or the terminating node and will pass control to the next node.

The script engine is responsible for executing single or multiple scripts. It is fully multi-threaded and can be in the background or the foreground with a user interface. The developer will have to distribute the script engine with the script(s). Once the script engine is installed, it is already in the execution mode. It behaves more like a Microsoft NT service. The script engine is password protected for security and inadvertent user interference.

There are 30 nodes in the first release and can be classified as:

-- System nodes.
-- TIFF Image processing nodes.
-- Scanning nodes.
-- Printing nodes.
-- Internet nodes
-- Faxing nodes.
-- Miscellaneous nodes.

See the example screen shots below.

Product News and New Features

TAPI 3.0

Black Ice is fully committed to TAPI 3.0 under Win2000. TAPI 3.0 is more convoluted than ever and only for those brave souls who dare to touch it, and have a big enough budget. We have a sample source code for Fax C++ to ease your pain. Fax C++ sample code is now available to integrate TAPI 3.0.

Fax C++ & Voice C++

-- Tested for 150,000 faxes.
-- Multi-document sending and receiving for Class 1.0 and Class 2.0 modems.
-- Rockwell/Conexant HCF chipset modems.
-- Dialogic 3.2 drivers.
-- Brooktrout 4.00 drivers.
-- VB sample for FAX OCX was rewritten.
-- Natural MicroSystems 3.00 drivers

Voice C++ / OCX

Added support:

-- DNIS and ANI for Dialogic
-- Caller ID for Dialogic and NMS boards.
-- Dialogic DNA 3.2 drivers.
-- Rockwell/Conexant HCF chipset modems.
-- Using Brooktrout boards, Voice C++ now detects SIT tones.
-- New help files

Annotation SDK / ActiveX

-- Muti-layer Annotation

-- Background object color can be changed.

Cover Page Generator

It has OCX and VB sample code.

-- Added Cover Page Generator ActiveX Control.

-- Visual Basic sample.

-- Color cover page generator.

TIFF SDK / ActiveX

-- Fixed problem with decoding CCITT Group 3 2D images by resynchronizing the decoding. This problem occurs only with bad images.
-- Converts monochrome images to JPEG in a single function call.
-- Read and display 16-bit XXX images.
-- Added CMYK encoding and decoding to TIFF SDK.
-- Cover Page Generator now compatible with Color Faxing.
-- New help system.

Printer Driver for Win2000 & NT 4.0

The Win2000 printer driver is licensed to over 100 major software companies around the world and is performing better than expected. The Terminal Server printer driver can now differentiate between sessions with different ID's allowing users to log in with the same user name and password. The session identification is used in the name pipe interface to differentiate users. Earlier versions of the terminal server printer driver could differentiate only between different users.

Dialogic News

the same input and output parameters at the application level to configure and control the different interfaces. Black Ice Software continues to support the analog loop start interface through the standard voice library.

Software Engineers….

Lifestyle,   Career development,   Excellent team environment,ºP   Challenging projects

Where? Auckland, New Zealand.

Dialogic, a wholly owned subsidiary of Intel Corporation, provides the critical building blocks and technical services that enable their customers to develop solutions serving the converging Internet and telecommunications market segments. We provide a full suite of hardware components and software drivers, APIs, and tools that work together in open, scalable computer telephony (CT) platforms.

The Auckland R&D teams development focus is on CT Media, a middleware component offering a superior way to build CT applications and systems.

CT Media is the first standards-based, client/server software platform available in the computer telephony marketplace that addresses both media control and call control. CT Media not only introduces the concept of an open software architecture to the computer telephony industry, CT Media promises to change the way that computer telephony systems are built, purchased, and used, offering numerous benefits to computer telephony application developers, systems integrators, distributors, and system owners.

We have numerous roles for good Software Engineers with strong competency in C/C++, OO design, real time systems development. A background in various APIs, telephony applications and technologies would be beneficial. Standards and interfaces we work with include: S.100, Q.931, ISDN, Bellcore TR-TSY-000268, ITU E.164, TAPI, CSTA, H.323, TCP/IP, VoIP. Technologies and tools we work with include: Windows NT, XML, COM, WMI, LINUX, SDL.

This career opportunity provides a comprehensive benefits package, including stock options, various performance bonuses etc. Replies in confidence to Roger Herbert,   +64 9 366 1135   x 817 or email r.herbert@dialogic.com