



IceBreak Server...

... The direct way to web development.

Web development has never been easier.

Extremely fast access time.

Direct access to existing Native applications.

Introducing...

BlueSeries IceBreak Server

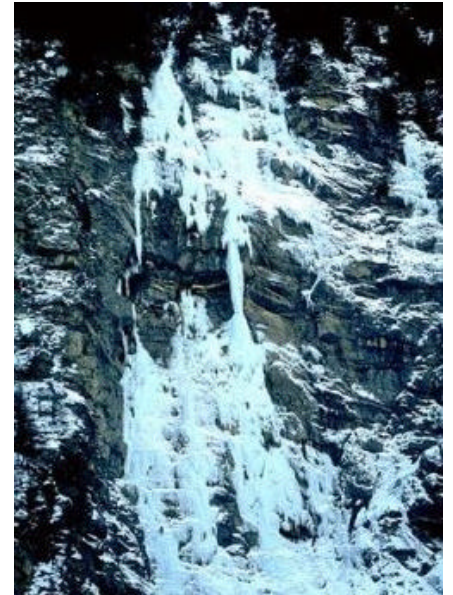
The BlueSeries IceBreak Server is a most advanced, yet easy to comprehend server technology.

IceBreak gives you the opportunity to build web applications on the IBM AS/400 (iSeries / i5) server platform. You can even reuse your RPG coding skills and legacy code.

Instead of having to use SEU or Websphere, you can use any web-designing tool, e.g. Microsoft FrontPage or Macromedia Dream Weaver. You are completely independent on operating platform, which means that you even can create BlueSeries IceBreak applications on an Apple Mac.

This way you are able to create very efficient web applications running directly on the AS/400 (iSeries / i5) operating system as compiled program objects.

The IceBreak server is more than just another web server. It is compatible with your web designing tool making web application a joy. It has never been easier and you gain the stability and power running applications on the IBM AS/400 (iSeries / i5).



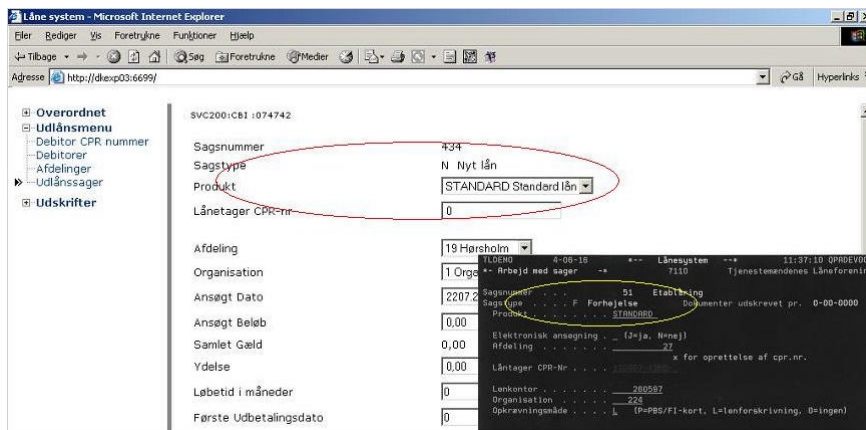
The technology behind IceBreak

The key to a simple web development approach is ASP – Active Server Pages. This technology has been used on web servers for quite some time. But now you can create an even more reliable and scaleable application server.

The HTML code is extended with ASP and converted online to a native program object. Application amendments are visible after storing the changes in the IFS workspace (The AS/400 / iSeries / i5 File System) and refreshing application in your browser. Program compilation is automatically completed by the IceBreak Developer Tool technology.

You will also find the response time very satisfactoral when users execute application using the Runtime module.

The communication between web-client and server is based on proven socket-technology developed over the last 10 years.





BlueSeries IceBreak

No local Client applications are required. Use you existing web-design tools.

All developer-related messages and warnings are posted and formatted in the Internet Browser.

Development skills

You can create IceBreak applications as a Native developer with 2 years experience and less than one year of HTML. You can mix Native RPG, Free RPG, HTML and Java in the same application source.

The more experienced you are as a developer the more possibilities you have creating web-based IceBreak applications.

The tutorial included in the IceBreak-package offers easy-access conversion lessons for junior-developers.

BlueSeries IceBreak Modules

The application is based on 3 individual modules: Developer Tools, Runtime Server and Apache Gateway. Developer and Runtime server are described in this document.

In addition the Apache Gateway enables external web-users to share BlueSeries IceBreak applications through a secure Apache Gateway.

```

5722WDS V5R2M0 020719 RN      IBM ILE RPG      ICEUDV/COMPILEERR
04 12:10:02      Page      1
Command          : CRTBNDRPG
Issued by        : BLUEBOXUSR
Program          : COMPILEERR
Library          : ICEUDV
Text 'description': *SRCMBRTXT
Source Member    : COMPILEERR
Source File      : QASP3SRC
Library          : ICEUDV
CCSID            : 277
Text 'description': WWWADMIN made from /wwwIceBreak/Co
Last Change      : 20-08-
04 12:10:02
Generation severity level : 10
Default activation group  : *YES
Compiler options         : *XREF      *GEN      *NOSECLVL *
                          *EXPDDS     *EXT      *NOSHWSKP *
                          *DEBUGIO   *NOEVENTF
Debugging views         : *ALL
Output                  : *PRINT
Optimization level      : *NONE
  
```

Handling Compile Time Errors

If compile time errors occur in the source preventing the compiler to produce the final program object, the Internet Browser will present you to a list containing program errors or warnings. The posted list is bookmarked so you can click between the statements in the source where problems occurred. After the source is changed using your web design tool, the IceBreak server is ready to re-compile and execute the program object.

Description	MessageID	Message type	Severity
Job 074739/CBI/SVC200 started on 27-07-04 at 16:24:50 in subsystem SVCUDV in SVCUDV. Job entered system on 27-07-04 at 16:24:50.	CPF1124	*INFO	0
Operation sequence for member PEDEBL1 not valid. (C I)	CPF501B	*COPY	30
Operation sequence for member PEDEBL1 not valid. (C I)	CPF501B	*NOTIFY	30
Update or delete in file PEDEBL1 without prior input operation.	RNX1221	*ESCAPE	99

Handling Run Time Errors

If an application against your expectations should fail at runtime, traditional i5-developers usually view through the Native job log generated by the operating system. The IceBreak server provides you with the same facility formatted in the Internet Browser.

There are several commands available to the developers in order to offer easy access to detailed system information. Browser-based commands are very useful locating errors and warnings speeding up program development.