

# Blue Diamond

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# What does Blue Diamond do for me?

- Dynamically generate web pages using data from a Progress data source (Database/DataServer).
- Accept data from a browser for insertion into a Progress data source.

# How does it work?

- Browser initiates a HTTP message with the web server.
- The HTTP message references an URL within the CGI framework of the web server.
- The Web Server starts a progress session that includes the Blue Diamond Transaction Server code and the application code.
- The Progress session generates an E4GL programmable response to the web server.
- The web server issues the response back to the browser.

# Can I???

- Use JavaScript? YES!
- DOM? If your browser supports it!
- Send back various Content-type responses? YES!
- Generate XML? YES!
- Generate HTML? YES!
- Call out to the operating system features? YES!
- Interact with AppServer? YES!

# How does a programmer work this?

- Create a program with Blue Diamond Studio.
- Blue Diamond Studio provides a web interface to the 4GL Development System Progress license.
- Execute the program with the Blue Diamond transaction server.

# Supported Operating Systems

- Redhat Linux
- HPUNIX
- NCR UNIX
- Tru64
- AIX
- SCO UNIXs
- Most Version 9 supported UNIX flavors
- Windows (limited though)

# Supported Web Servers

- CGI 1.1 compliant
- Apache (preferred)
- Netscape/iPlanet

# Supported Browsers

- This really depends on your programming...
- Internet Explorer
- Netscape
- Mozilla
- Opera
- Konqueror



# What level of Progress do I need?

- Version 9.xxx
- 4GL development system OR
- Webspeed Workshop
- Progress RDBMS or Progress DataServer for your non-Progress database.

# Blue Diamond to Webspeed

- Blue Diamond programs should compile under Webspeed directly without changes.
- Blue Diamond routines are a subset of Webspeed (the most useful subset.)

# Webspeed to Blue Diamond

- Requires E4GL programming – HTML mapping is not supported.
- Most “wizard” generated code will have problems.
- ADM/SmartObjects not supported.

# License

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# What does the license mean?

- It's a BSD License
- Free to redistribute the program with your application provided you credit Amduus Information Works, Inc. for part of the work.
- No one is torting Amduus, your adults and test to know if something works or not.
- Free to install on as many machines as you like – spread the Progress tool set! (Progress licensing may be different.)
- Open Source or binary redistribution rights granted.

# How do I get support?

- Hire out Amduus Information Works, Inc. for an installation and programming.
- There are others out there who know Blue Diamond (see [www.peg.com](http://www.peg.com) webspeed list)
- Hire out Amduus Information Works, Inc. for email based support.

# Where can I get sample code?

- [www.amduus.com](http://www.amduus.com) has more open source applications like Portals, Help Desk system, etc.
- The site also contains E-Zines with useful code.
- Also are Webspeed programming tutorials (over 100 pages of them!)

# More Information

Amduus Information Works, Inc.  
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