

Fujitsu-Siemens Computers

PERL (BS2000/OSD)

Version 1.0A10
September 2001

Release Notice
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PERL(BS2000/OSD) Release Notice - Table of Contents

1	General	2
1.1	Ordering	2
1.2	Delivery	3
1.3	Documentation	3
2	Software extensions	4
3	Technical Information	4
3.1	Resource requirements	4
3.2	SW Configuration	4
3.3	Product Installation	4
3.4	Product use	4
3.5	Incompatibilities	5
3.6	Restrictions	5
3.7	Procedure in the event of errors	5
4	Hardware support	5
	Appendix:	6
5	Feedback	6
6	Copyright Information	6

1 General

This Release Notice contains in concise form the most essential dependencies and operation hints for

P E R L V 1 . 0 A 1 0

under the operating system BS2000/OSD 1).
PERL(BS2000/OSD) V1.0A10 is based on the Developer's Release 5.005_63 of Perl 2).

The copyright information for the Open Source components can be found at the end of this document.

The release date is: September 2001.

The Release Notice is distributed in a file SYSFGM.PERL.010.E (english, this file) or SYSFGM.PERL.010.D (german).

Updates to this document will be marked with a '!' and will result in redistribution of the updated release note. Print this file using either

```
/PRINT-DOCUMENT FROM-FILE=SYSFGM.PERL.010.E, -  
/ DOC-FORM=*TEXT(LINE-SPACING=BY-EBCDIC-CONTROL)  
(english) or  
/PRINT-DOCUMENT FROM-FILE=SYSFGM.PERL.010.D, -  
/ DOC-FORM=*TEXT(LINE-SPACING=BY-EBCDIC-CONTROL)  
(german)
```

1.1 Ordering

PERL(BS2000/OSD) V1.0A10 can be ordered via your local sales office. (PERL is a Release Unit of the Supply Unit APACHE V1.3)

1) BS2000/OSD (R) is a registered trademark of Fujitsu-Siemens Computers

2) The interpreted high-level scripting language developed by Larry Wall, maintained and improved by the Perl5 Porters group (<http://www.perl.com/>).

1.2 Delivery

The PERL(BS2000/OSD) V1.0A10 files are delivered using the SOLIS delivery program. The valid file and tape attributes are mentioned in the accompanying SOLIS2 delivery document. Besides the usual SOLIS delivery system, the PERL package can be downloaded free of charge at the internet location http://www.fujitsu-siemens.com/servers/apache_osd/apache_us.htm

The delivery consists of the following files:

Delivery parts	Product description
PERL V1.0A10: -----	
SYSFGM.PERL.010.E	Release Notice (english) for release unit PERL V1.0A10 (This file)
SYSFGM.PERL.010.D	Release Notice (german) for release unit PERL V1.0A10
SYSRME.PERL.010.E	README file (english) for release unit PERL V1.0A10: Information about installation configuration, usage and documentation of PERL V1.0A10 in BS2000/OSD
SYSRME.PERL.010.D	README file (german) for release unit PERL V1.0A10: Information about installation configuration, usage and documentation of PERL V1.0A10 in BS2000/OSD
SINLIB.PERL.010	Container for the elements which are required for installation and operation of the Perl interpreter in the POSIX system. This installation library is used for the /390 architecture.
SRULIB.PERL.010	Installation library for PERL (used on SR2000 machines only, in place of SINLIB.PERL.010)
SPULIB.PERL.010	Installation library for PERL (used on Sparc machines only, in place of SINLIB.PERL.010)

1.3 Documentation

The complete documentation is included in the installation packages in the form of HTML files.

The documentation is available in english only. !!

Information about installation, configuration, usage and documentation of PERL(BS2000/OSD) V1.0A10 can be found in the README files

- SYSRME.PERL.010.D bzw.

- SYSRME.PERL.010.E

respectively.

2 Software extensions

- PERL(BS2000/OSD) V1.0A10 has the module GD.pm in addition to the standard perl delivery. GD.pm implements an interface to the gd Graphics Library, which lets your Perl program create images in the PNG format. The gd Graphics Library is also included in the PERL delivery.

3 Technical Information

3.1 Resource requirements

For using PERL(BS2000/OSD) V1.0A10, a main storage of at least 128 MB is recommended.

The minimum memory requirement is about 2,8 MB virtual memory.

3.2 SW Configuration

Supported Versions:

```
-----  
SU: BS2000-GA      I OSD-BC  I OSD-SVP I OSD-BC V4.0A  
                   I  V3.0A I   V2.0  I(OSD-SVP V3.1)  
-----+-----+-----+-----  
SC: POSIX-BC      I V03.0A  I V03.1A  I V04.0A  
-----+-----+-----+-----
```

3.3 Product Installation

PERL(BS2000/OSD) V1.0A10 is installed using the product IMON (Installation MONitor).

To install the product PERL(BS2000/OSD) V1.0A10, please use the POSIX installation tool (logged in as the user id TSOS).

A detailed description of installing PERL is given in the README file which is part of the delivery.

3.4 Product use

CRTE prior to V2.2 does not support the shebang notation ('#!/opt/perl/bin/perl'), so you have to use the following lines instead at the beginning of a perl script:

```
: # use perl  
   eval 'exec /opt/perl/bin/perl -S $0 ${1+"$@"}'  
   if $running_under_some_shell;
```

3.5 Incompatibilities

- In order to have the same behaviour in the BS2000/POSIX as in any other UNIX-platform, function crypt() uses ASCII value of the input string instead of using EBCDIC value. In consequence the result of crypt() will differ from the one resulting in the release V1.0A00 (using EBCDIC value of the input string).

3.6 Restrictions

- When the thread support for OSD/POSIX will be available, we will release a new PERL package which will support threads
- Character encoding in utf8 representation is not supported on EBCDIC platforms like BS2000/OSD.

3.7 Procedure in the event of errors

In case of an error, we need the following information to help us diagnose the problem:

- exact problem description
- displayed error messages
- System environment:
 - BS2000 system:
 - BS2000: Version, Loader
 - POSIX : Version, Loader or correction status
- DUMP file in case of crash

4 Hardware support

Central Processing Units

PERL(BS2000/OSD) V1.0A10 can be run on all supported systems from BS2000/OSD-BC V3.0A and above.

Appendix:

5 Feedback

Your feedback concerning PERL(BS2000/OSD) V1.0A10 is always welcome. Please send your comments to the following address:

Fujitsu-Siemens Computers
Enterprise Products
FSC PO EP BS DC
Hr. Schmierer-Brinkemoeller

D-81730 Muenchen

EMail: <Ewald.Schmierer-Brinkemoeller@fujitsu-siemens.com>

6 Copyright Information

- Perl5:

Perl is Open Source software. It's free for you to download and use as you wish. Perl's license is called the Artistic license. If you aren't sure what you can or can't do read it at

* WWW in <http://www.perl.com/language/misc/Artistic.html>

* POSIX (after PERL installation) in
/opt/perl/manual/readme/Artistic

- Module GD.pm - An interface for the gd library

Copyright 1995-1999, Lincoln D. Stein.

It is covered by the Perl "Artistic License".

- gd Graphics Library:

Portions copyright 1994, 1995, 1996, 1997, 1998, by Cold Spring Harbor Laboratory. Funded under Grant P41-RR02188 by the National Institutes of Health.

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- FreeType Font Library:

"The software is based in part of the work of the FreeType Team"

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The Internet pages of Fujitsu Technology Solutions are available at <http://ts.fujitsu.com/...>

and the user documentation at <http://manuals.ts.fujitsu.com>.

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