

z/TPF EE V1.1

z/TPFDF V1.1

TPF Toolkit for WebSphere® Studio V3

TPF Operations Server V1.2



IBM Software Group

## *TPF Users Group Fall, 2007*

TPF 4.1 z/OS Compiler Update  
z/TPF GCC Compiler Update

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Venue: Open Source Subcommittee

**AIM Enterprise Platform Software**

IBM z/Transaction Processing Facility Enterprise Edition 1.1.0

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## z/OS Compiler Support on TPF4.1

- z/OS 1.x compiler with the TARGET(OSV2R10) option will be supported for TPF customers
  - All problems with this option should be reported to TPF Support
- The OS/390 V2R10 compiler is available on the z/OS 1.x system as an *informational APAR* PK05324 for TPF customers
  - All problems with this option should be reported to TPF Support
- Safely ignore other support statements regarding TPF use of the z/OS compiler.
  - For: z/OS 1.7, z/OS 1.8, z/OS 1.9

## z/TPF PUT Levels &amp; Lab Tested Compiler Releases from RedHat

<b><u>PUT LEVEL</u></b>	<b><u>COMPILER</u></b>	<b><u>LINUX PLATFORM SYSTEM LEVEL</u></b>
PUT 1	GCC 3.4	Red Hat Enterprise Linux 3 -or- SUSE Linux Enterprise Server 8
PUT 2	GCC 4.0* or GCC 3.4	Red Hat Enterprise Linux 3 -or- SUSE Linux Enterprise Server 9
PUT 3	GCC 4.1	Red Hat Enterprise Linux 4 -or- SUSE Linux Enterprise Server 9
PUT 4	GCC 4.1	Red Hat Enterprise Linux 4 -or- SUSE Linux Enterprise Server 9/10

\* Denotes compiler used to build OCO shared objects that were shipped on PUT

## GCC Compiler Currency

- GCC Compiler upgrades are driven by z/TPF Community!
- Going forward:
  - Poughkeepsie lab projects may require features available in a new compiler release
  - The TPF User Group (opensource subcommittee) may require features available in a new compiler release
- The next gcc compiler release from the FSF is gcc 4.2.1
  - <http://gcc.gnu.org/gcc-4.2/changes.html>

## Sources of gcc information

- GCC Online Information
  - <http://gcc.gnu.org/onlinedocs/>
- GCC WIKI Page
  - <http://gcc.gnu.org/wiki/HomePage>
    - Includes information about future gcc releases
- “info” on Linux
  - To point to tpf-gcc info files:
    - update the INFOPATH environment variable
    - eg: INFOPATH=/opt/gcc/info:\$INFOPATH
    - In -s /opt/tpf-cross-tools-4.1-tpf-06r1-5/info /opt/gcc/info

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