



# z/TPF Compiler Roadmap

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**Compilers Supported**

**2012 Compiler Strategy**

**Changes / Recommendation**

**Statement of Direction**

# Compilers Supported

GCC 4.1.2

GCC 4.6.3

Dignus 1.98.70

# 2012 Compiler Strategy

## GCC

- Will support 2 versions of the compiler (4.1 & 4.6)
- Will consider upgrade on customer request
- *Next upgrade may result in 4.1 being dropped*
  - Lead time will be at least 12 months

# 2012 Compiler Strategy

## Dignus

- Will test 1 version of the compiler
- Will consider upgrade on customer request
  - Assumption is upgrade will be done when support becomes available
  - Lead time 6-12 months that new version will be tested

# Deprecation Statement

- GCC 4.1 compiler is being deprecated
- What does this mean?
  - GCC 4.1 compiler is still supported and tested
  - Customers are urged to upgrade to GCC 4.6
  - At some point in the future, support for GCC 4.1 will be dropped
    - But, not before 2Q2017

# Recommendation

- If using GCC 4.1, install and start using GCC 4.6
  - Binary compatibility between 4.1 and 4.6
  - Do not need to recompile everything
- Support for GCC 4.6 was shipped in 2012 (PJ40647)
- Expanded GCC 4.6 support to include C++11 in 2014 (PJ42286)
- New functions require GCC 4.6 in 2015 (DFDL and support for mongoDB)



# **XL C/C++ for Linux on z Systems**

# XL C/C++ for Linux on z

- Introduced in January 2015
  - Compatible with GNU Compiler Collection (GCC)
  - Maximizes hardware utilization
  - Offers higher performance when binding the IBM and GNU compiled parts together in a single application.
  - <http://www-03.ibm.com/software/products/en/xlcpp-loz>
- *Not currently supported for z/TPF, but investigating use*

**Thank you!**

Questions or comments?

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