Available now on z/TPF

Java operational and performance enhancements (PJ47021, PJ47242, PJ47169)

TE

- Eliminate unneeded JVM recycles
- Start JVMs for transaction work faster
- Recover from dumps faster

REST message handler support (PJ47150)

An application developer can easily orchestrate and manage common routines needed for REST services such as authorization, logging, and AAA management

z/TPF secure file transfer (PJ46830)

TE

- Remote clients can securely transfer files with z/TPF by using SFTP
- The loadtpf utility can load code securely to z/TPF

TLS 1.3 support (PJ47183)

TE

- Support for latest secure networking protocol version
- Enforces use of strong ciphers and streamlines session establishment

64-bit support for IBM MQ queues (PJ46819)

- Increase scalability of IBM MQ by using 64-bit memory
- Improved performance and resiliency of IBM MQ

TPF Toolkit 4.6 Fix Packs 17 & 18 (PJ46830, PJ47187)

- Secure connections between the TPF Toolkit workstation and Linux for viewing files, and the TPF Toolkit workstation and z/TPF system for debugging
- Eclipse platform upgrade

Run z/TPFDF CRUISE utility on fenced I-streams

FIS

- Use fenced I-streams to decrease the time it takes to run the z/TPFDF CRUISE utility without impacting transactional workload
- Decrease the amount of CPU resources required to run the z/TPFDF CRUISE utility on large flat z/TPFDF databases

Runtime metrics collection enhancements

- Easily install runtime metrics collection in Linux on IBM Z environments by using IBM provided open-source component builds **(PJ46982)**
- Include user-defined system, application, and business metrics in runtime metrics collection for real-time monitoring and AI analysis **(PJ46904)**

File version display enhancement (PJ47009)

Quickly debug problems related to the wrong version of a file that was loaded on z/TPF

Application cleanup after a system error (PJ47122)

A developer can write code that is automatically called to do application level clean up when a system error occurs

z/TPF DFDL serializer support for CSV (PJ47158)

TE

An application program can easily consume the contents of a CSV file

Prime-duplicate comparison utility (PJ46999)

Quickly determine the extent of prime and duplicate data mismatches

TE Transformation engines (TEs) are general processor (GP) engines that are available at a reduced cost to encourage z/TPF modernization, application extension, and integration with other IBM products.

FIS Fenced I-stream (FIS) eligible means functionality that can use some dynamic CPU fenced I-streams at no cost.

Coming soon on z/TPF

z/TPFDF performance and storage improvements

- Read the same amount of data (or more) from a z/TPFDF subfile in a fraction of the time compared to today
- Easily accommodate database growth and reduce storage costs by storing more z/TPFDF data in significantly fewer physical records

Runtime metrics collection dashboards for continuous data collection (CDC) data

- Displays system metrics by using a single tool
- Replaces the Tivoli Enterprise Portal that is used to display CDC data collected from the z/TPF system
- Support for the z/TPF Tivoli Monitoring Agent ends 28 June 2024

Support for large messages over IBM MQ

An application can send as much as 100 MB of data over IBM MQ as a single message

Traditional z/TPF database encryption

Automatically encrypt all data in a traditional z/TPF database without any application changes

ECB heap enhancements

- Improved performance when you use ECB heap
- Less fragmentation of the heap
- Improved usage measurements for better configuration tuning

HTTP 2.0 support

- Simplifies your socket configuration, increases scalability and improves performance
- Support for HTTP 2.0 when z/TPF is the server and the client

OpenTelemetry support for z/TPF

Use your application performance monitor (APM) to quickly diagnose issues for transactions that span your enterprise including z/TPF

We're here to help!

Ask your client advocate how IBM can help with your modernization efforts

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