

Available Now

New capabilities currently available on z/TPF

z/TPF Real-Time Runtime Metrics Collection and Insights Dashboard

- Conduct **real-time analysis** through a customized graphical display of user-defined metrics
- Rapidly investigate system problems with built-in analysis by isolating significant contributing factors

MQ Dynamic Routing

Achieve higher availability and throughput through automatic and intelligent MQ routing capabilities with no application changes

REST Enhancements TE Eligible

- REST consumer and provider can support more of what can be defined through the OpenAPI specification
- Multiple version of REST APIs can coexist in z/TPF with the same operationID

DFDL Enhancements TE Eligible

- Create smaller JSON and XML documents by excluding elements that contain default values
- Make large data more human readable through CSV and Java™ properties

z/TPF Test Framework Enhancements

Automate more test case scenarios and test more complex application code through scaffolding support

z/TPF Guaranteed Delivery of Java Services TE Eligible

Seamlessly integrate and guarantee delivery of z/TPF data across your enterprise by using an industry-standard solution

What is a 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.

Leverage IBM z15 Hardware Compression TE Eligible

Leverage hardware data compression on z15™ to reduce the costs of networking, CPU, DASD I/O, and encryption

z/TPF System Services Enhancements

- Experience no impact to IPL time with a large VFA
- Utilize **recoverable system heap** to reduce the impact of IPLs by holding large amounts of data in memory to maintain processing and I/O efficiencies
- Utilize **System Recovery Boost** to minimize the business impact of an unplanned outage, and reduce the time needed for planned outages
- Reduce the time needed to debug problems with **display core enhancements** by quickly identifying the value of a specific field

Communications & Security Enhancements TE Eligible

- Seamlessly connect z/TPF applications to existing servers by using the **high speed connector**
- Easily deploy REST services with a single command

z/TPFDF Remote Subfile Support TE Eligible

Comply with data localization laws to grow and maintain business in countries around the world

Recoverable Logical Record Cache Support

Preserve cache contents across an IPL so cache is effective as soon as the system is open for business

Moving Forward

Upcoming for z/TPF

Communications & Security Enhancements TE Eligible

Reduce CPU consumption and network bandwidth for large HTTP messages by leveraging hardware compression without application changes

MQ Enhancements

- Reduce I/O, CPU consumption, network costs, and processing time required to process z/TPF MQ messages
- Reduce system usage of 31-bit memory to allow more transactions to be processed concurrently

System-Wide JVM Monitoring TE Eligible

Monitor resources that are used by all JVMs on your system by using a single dashboard

Java Enhancements TE Eligible

- Optimize JAM recovery time in case of an outage
- Incorporate pauseless garbage collection into JRE
- Upgrade to newer Java technology (OpenJDK 11)

z/TPF Test Framework Enhancements

Investigate the feasibility for recording a test case, instead of manually coding a test case

What is a TE?

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Recoverable Logical Record Cache Support

Easily adjust to workload growth and improve cache effectiveness by increasing the cache size without losing cached data

z/TPF Message Analysis Tool

- Reduce development and test costs by pinpointing resource usage and performance issues earlier in the development process
- Train new developers on what their applications do by examining code flow of real production messages

z/TPF System Services Enhancements

Reduce the risk of a complex outage when recovering from a DASD hardware failure

z/TPF & OpenShift Be a sponsor user!

Come help shape the future of z/TPF as a sponsor user. You will take part in architectural meetings, design discussions, and have access to beta code to voice your feedback.

Email danielle.tavella@ibm.com for more information and to sign up.

Announcing:


New z/TPF blog and digital community



The z/TPF Lab has a new domain for updates and announcements about the z/TPF product family.

This community also offers the opportunity for users to take part in the dialogue: from creating blog posts of their own to participating in forum discussions.

All users are encouraged to be active participants.

- 1.** Go to **community.ibm.com**, log in with your IBMid, navigate to the drop-down menu under “Community”, and select “IBM Z & LinuxONE”. From there, select “User Groups”, and scroll until you’ve found our community: “**Global z/TPF Development User Group**”. [[link](#)]
- 2.** Click “Join our community” in the banner image. After about an hour, you should have member privileges to submit and interact with content, including **blogs**, **forum discussions**, posting **events**, and contributing entries to our multimedia **library**.
- 3.** To subscribe to updates, click the  icon, select “IBM Community profile”, then “My Account”, and “Group Notifications”. At the bottom of the page, you’ll see a table for “Notification Settings”, where you can select a Consolidated Daily Digest and a Consolidated Weekly Digest of all new activity in the User Group. [[link](#)]
- 4.** **Join the discussion!** Add a comment to the thread, “Biggest 2020 TPFUG Takeaways”.