



login directly to the RDz UT system and avoid a requirement for an additional system. This provides business value – lowering development costs – for a single user RDz UT development project where mobility is important.

ITC and System ReDD

Information Technology Company, LLC (ITC) examined the challenges and potential of the IBM Rational RDz UT and RDz solutions for providing a complete, ready to use RDz UT-based solution. ITC developed the Rational Enhanced Development Device (ReDD) solution. System ReDD provides RDz UT, RDz and the required RDz client on x86-based hardware. ITC designed System ReDD for seamless operation and has maximized the performance and interactions of all software layers, from the client interface down to the Linux OS, to work reliably, efficiently and consistently.

With System ReDD, ITC provides technical support for the entire system, ITC tools & utilities (providing useful systems management capabilities), an online/offline backup/restore application (for the software image as well as the 3390 DASD volumes), one-click Graphical User Interface (providing easier System z operations), and operator training.

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Whether mobile or server based, System ReDD delivers the right solution to meet your application development project. Fully configured and configured to operate in your network, System ReDD is ready to be used on the day you receive it.

Call to Action

The IBM Rational Enterprise Modernization product solutions combined with ITC's System ReDD provides the optimal business solution for rapid, risk free agile application development for System z you seek for your business.

ITC will team with your application development project staff to understand your business needs and mainframe application development goals and requirements. To learn more about the IBM zPDT technology and how ITC's System ReDD solution can help your organization, please visit: www.p390.com/ReDD.htm

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SystemReDD™

Rational Enhanced Development Device

Enterprise Modernization for System z

Addressing today's ever changing business requirements while providing modern quality mainframe applications for rapid, risk free deployment requires a delicate balancing act. The challenges and demands placed on mainframe application development teams today can include:

- Maintenance of existing and new applications
- Reduced budgets
- Reduced application development (AD) cycle time
- Reducing business risk
- Security
- Competition for reduced mainframe resource for development projects
- Integration across the business enterprise
- Increase business ROI

In addition, many businesses have application developers deployed worldwide which can introduce numerous issues. Distance and time differences hinder collaboration and integration efforts between dispersed development teams. Newer developers may not have the skills required to work with older mainframe applications that still provide business value, resulting in further AD delays or errors when rolling out new applications. Due to resource constraints and costs associated with running production mainframe applications, severe

project delays can occur while competing for reduced mainframe development cycles, resulting in higher costs for development and project completion delays.



Embracing Enterprise Modernization

Enterprise Modernization for System z® ensures that the value of existing business applications can be enhanced with modern tools. Not only does it provide for the improvement and maintenance of existing business applications, the rapid development and deployment of new business applications enables better competitive positioning to the market place. This leads to faster responsiveness to market demands which in turn enables businesses to stay well

ahead of their competition.

Enterprise Modernization for System z provides additional benefits such as improving team collaboration, improving communications between dispersed development teams, reducing the time for developer training by having a common platform and software tools, and producing higher quality applications.

Market leaders win today by embracing appropriate technologies to outpace their competitors. Enterprise Modernization for System z provides the architecture and tools to enable businesses to stay ahead of their competition.

A modern lower cost mainframe solution available for application development projects



provides development project teams immediate access to System z resources. Development teams can work on their projects at their convenience without having to wait for mainframe resources to become available. Once development teams have completed the build and testing of new applications, they can schedule final testing on the mainframe prior to deployment to production. Application development can move forward faster, allowing businesses to deploy new modern applications in a more agile and risk free manner.

By moving the application development projects off of the mainframe and utilizing those development MIPS for production use, additional processing power is available enabling better application resource utilization and improving application response times to customers. The development MIPS and their high cost are eliminated and those MIPS are reassigned to revenue producing business applications.

Improved application software quality is addressed by modern software tools which vastly improve collaboration and communication between project team members. Having the availability of a lower cost mainframe system ensures developers remain productive and eliminates impacting production applications.

These enterprise modernization benefits ensure faster deployment of new business applications addressing the business requirement for growth of business revenue.

Business Solution – Enterprise Modernization for System z

The good news is that there is a viable business solution to the business problem and challenges discussed above. Due to the extremely large amount of business data and applications residing on the mainframe, IBM® Rational® is focused on providing a solution for Enterprise Modernization for System z.

RDz Unit Test (RDz UT)

Access to a real mainframe system can be problematic and often incurs higher costs for mainframe processing. RDz UT solves these two issues by providing developers with their own z/OS® system installed on lower cost Intel® (x86 64-bit) hardware. RDz UT easily integrates with other IBM Rational and IBM tools for more cost savings and improved productivity.

RDz

Addressing the modernizing of mainframe applications, creating modern Web based mainframe applications and utilizing it with RDz UT typically involves choosing to deploy RDz. RDz provides a single, common, modern independent development environment (IDE) for productive development of cross-platform applications written in COBOL, PL/I, HLASM, Java®, EGL or C/C++ that can be found in System z CICS®, IMS™, DB2® and Batch applications on the mainframe.

RDz installed on the RDz UT makes this integrated solution a powerful modern

mainframe tool that helps reduce costs by providing better utilization of mainframe MIPS and enabling new and existing developers to develop and maintain existing mainframe applications.

The IBM RDz family provides several product editions depending on your application development needs and requirements: Developer for System z with EGL, Developer for System z with Java, and Developer for zEnterprise.™

RDz UT – Considerations for Deployment

The challenges for application developers is the installation and configuration of RDz (one or more of its product editions) and the installation/configuration of an appropriate RDz client to interface with RDz UT and enabling it to work seamlessly with z/OS and IBM Middleware.

When deploying an RDz UT and RDz system, the application developer will need to be knowledgeable with the selection, installation and configuration of an appropriate RDz client and required RDz daemons. This can become more complex for larger development project teams who may have different client requirements such as Windows, Linux or others.

The traditional method of interfacing with an RDz UT system by a developer with RDz typically requires two systems – one for RDz UT, the other for the RDz product and RDz client/daemon.

As an alternative, installing an RDz client on the RDz UT system provides an opportunity for controlling the cost by enabling a developer to