



IBM Software Group

IBM® TXSeries® for Multiplatforms V6

New features overview



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This presentation will provide an overview of the new features in IBM TXSeries for Multiplatforms V6.

Goals

- Provide an overview of the new features of TXSeries for Multiplatforms V6
- Prerequisite
 - ▶ TXSeries V6 Architecture



The goal is to provide an overview of the new features available in TXSeries for Multiplatforms V6. To benefit most from this presentation, you should review the TXSeries V6 Architecture presentation.

Agenda

- New Features in V6
 - ▶ New Administration console
 - ▶ Simplified environment
 - ▶ Simplified installation
 - ▶ Improved security integration
 - ▶ Improved client access
 - ▶ Documentation revision
 - ▶ Updated hardware and software levels

The agenda for this presentation will cover new features in V6.

Section

New administrative console

This section will take you through an overview of the TXSeries administrative console introduced with TXSeries for Multiplatforms V6.

New administration console

- New administrative console similar to WebSphere® Application Server console
- Replaces Windows® based Administration Tool
- Available for all TXSeries platforms
- Support for National Languages



The TXSeries for Multiplatforms administration console provides a web based graphical interface to perform many of the CICS® administrative and configuration tasks. For example, you can use this console to remotely stop and start a CICS region. The user interface is similar to WebSphere Application Server console. The administration console is available on all supported platforms, and is a replacement for the Windows based administration tool TSConfig. The administration console works for all the national languages supported by TXSeries.

Administrative console example

The screenshot shows the TXSeries Administration Console interface. The left sidebar contains a tree structure with the following categories:

- Regions
 - All Regions
 - JOHN
 - hello
 - ABCD
 - ABFR
 - abcd
 - TVTREG
 - sample
- SFS Servers
 - All SFS Servers
 - akbar
- PPC Gateway Servers
 - All PPC Gateways
 - PPC1

The main content area, titled 'All Regions', contains a table with the following data:

Select	Name	Resource description	Type of file system	Startup groups	Region Pool Storage Size (bytes)	Status
<input type="checkbox"/>	JOHN	Region Definition	SFS		2097152 (2 MB)	✖
<input type="checkbox"/>	hello	Region Definition	SFS		2097152 (2 MB)	✖
<input type="checkbox"/>	tone	Region Definition	SFS		2097152 (2 MB)	✖
<input type="checkbox"/>	ABCD	Region Definition	SFS		2097152 (2 MB)	✖
<input type="checkbox"/>	ABFR	Region Definition	SFS		2097152 (2 MB)	✖
<input type="checkbox"/>	abcd	Region Definition	SFS		2097152 (2 MB)	✖
<input type="checkbox"/>	TVTREG	Region Definition	SFS		2097152 (2 MB)	✖
<input type="checkbox"/>	sample	Region Definition	SFS		2097152 (2 MB)	✖
Total 8						

Three callout boxes provide additional context:

- Frame 1:** Banner and general information/links
- Frame 2:** All the servers; CICS regions, SFS servers and PPC gateways will be listed here in a tree structure
- Frame 3:** Work area Frame. List and details of resources are displayed here

This slide presents a sample screen capture of the TXSeries administrative console. Frame 1 displays general information related to the administrative console. Frame 2 lists all the defined TXSeries resources, such as CICS regions, SFS servers and PPC gateway servers. Frame 3 displays the details of the resources selected.

Section

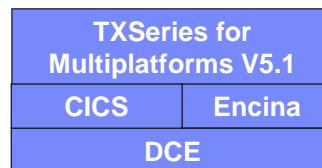
Simplified environment



The core theme of TXSeries for Multiplatforms V6 is simplification. This section provides you with an overview of the significant changes towards simplifying the environment as compared to the previous releases of TXSeries.

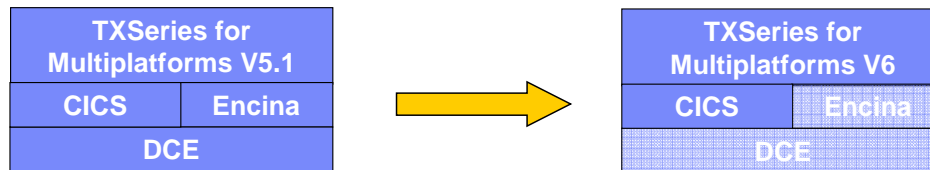
TXSeries V5.1

- Previous versions of TXSeries required
 - ▶ An implementation of DCE for
 - Remote and distributed process communications
 - Distributed security
 - ▶ Encina product
- Adding
 - ▶ Complexity
 - ▶ Overhead



Previous releases of TXSeries had dependencies on the DCE technology for enabling remote and distributed process communications and for providing distributed security. The ENCINA product was another TXSeries pre-requisite that had to be separately installed and managed. Administering the TXSeries resources resulted in managing these pre-requisite products as well, adding to the complexity and overhead in managing the distributed environment.

Encina and DCE removed



- Simplifies TXSeries environment
- New function added to support inter-process communication
- Encina customers should remain with TXSeries V5.1
 - ▶ Encina customers supported on 5.1 until at least 2009



The DCE technology that underpinned previous versions of TXSeries for Multiplatforms has been replaced with secure shared memory, which enhances performance and security with no configuration or administration required.

Another core aspect of the product simplification is the Encina component integration. Installation of Encina is no longer required or supplied with TXSeries for Multiplatforms. All Encina components that are required by TXSeries server are integrated with TXSeries for Multiplatforms and are installed while installing TXSeries.

TXSeries for Multiplatforms V6 has significantly simplified the environment, thus enabling the CICS users and system administrators to be more productive.

Section

Simplified installation



This section takes you through the changes made to simplify product installation.

New installation process

- Install Shield for Multi Platforms (ISMP)
 - ▶ Java™ based installer
 - ▶ Consistent across all supported platforms
- 3 modes of installation
 - ▶ GUI (default)
 - ▶ Console
 - ▶ Silent
- Default region configuration option



TXSeries for Multiplatforms V6 has simplified the installation process by using the industry-standard InstallShield Multiplatform as the installer on all supported platforms. You can install the product in three different modes: The Graphical User Interface mode, which is the default, Console or text mode, and silent installation mode. A default region configuration is added to the installer, enabling you to create a test CICS region when prompted at the end of the installation in order to confirm if your installation process is successful.

Section

Improved security integration



TXSeries for Multiplatforms V6 has simplified the security handling. This section takes you through the improvements for security integration.

New external authentication sample

- CICS can delegate security authentication
 - ▶ Uses External Authentication Module (EAM)
- New EAM sample allows integration with RACF on a zSeries system
 - ▶ Requires RACF 1.7
 - ▶ Uses the LDAP facility of RACF



TXSeries has a component called External Authentication Manager that enables an external module to perform security checking. TXSeries for Multiplatforms V6 has introduced a new External Authentication Manager module that uses Lightweight Directory Access Protocol (LDAP) to integrate with the RACF security product.

Section

Improved client access

This section illustrates the improved client access available with TXSeries for Multiplatforms V6.

Improved client access

- TXSeries client replaced by CICS Universal Client
 - ▶ Same client interface for all CICS systems
 - ▶ One client license supplied with TXSeries
- Supplied default 3270 Terminal renamed to **cicslterm** (CICS Local Terminal)



With TXSeries for Multiplatforms V6, the DCE RPC based client is replaced by CICS Universal Client product. The CICS Universal Client product is bundled with TXSeries for Multiplatforms V6. The previously supplied CICS 3270 terminal emulator, `cicsterm`, has been renamed to `cicslterm`, or CICS Local terminal.

Section

Documentation and updated support levels



TXSeries for Multiplatforms V6 has made significant changes to the product documentation set. This section takes you through the document updates and information on the updated hardware and software support levels.

Updated documentation

- Major revision to documentation
 - ▶ Eclipse based information centre
 - ▶ Reflects removal of DCE and Encina components
 - ▶ Describes new features and functions
 - ▶ New Installation Guide covering all platforms
 - ▶ Updated online Information Centre
 - <http://www.ibm.com/software/htp/cics/txseries/library>



Major revision to the documentation library provides a much clearer product overview, leading to faster and easier product deployment and administration.

Some of the significant documentation updates include descriptions of new features and functions introduced, a new installation guide covering all platforms and to reflect the removal of DCE and ENCINA components.

This documentation library has been fully incorporated into the standard Eclipse based information center, which provides many benefits, including the ability to search all installed Eclipse based IBM information centers in one search.

Updated software and hardware levels

- Improved support, including IBM Business Partner, Acucorp's open systems COBOL, ACUCOBOL-GT
- Supported hardware and software levels updated to latest available
 - ▶ See <http://www.ibm.com/software/htp/txseries/support>
 - ▶ Includes Operating Systems, databases, compilers, communications and messaging software



Support is added for Acucorp open systems COBOL, ACUCOBOL-GT. ACUCOBOL-GT is a COBOL development system that includes a compiler, a source-level interactive debugger, and nearly a dozen support utilities. ACUCOBOL-GT lets you write a program once, and run it in any other TXSeries platform without recompiling.

TXSeries for Multiplatforms Version 6.0 extends support for the most recent versions of other products that are commonly used by TXSeries customers, including databases, communications subsystems and system compilers for all supported programming languages.

Summary

- TXSeries V6 provides many new features
 - ▶ New Administration console
 - ▶ Simplified environment
 - ▶ Simplified installation
 - ▶ Improved security integration
 - ▶ Improved client access
 - ▶ Documentation revision
 - ▶ Updated hardware and software levels
- New functions built on top of V5 functions
 - ▶ Reduces learning curve



In summary, this presentation has covered the new and updated features for TXSeries for Multiplatforms version 6.

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