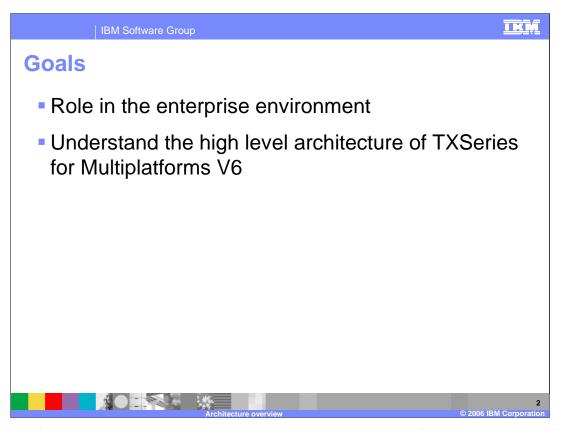


This presentation will provide an overview of the Architecture of IBM TXSeries for Multiplatforms V6.



The goal of this presentation is to provide a high level overview of the architecture of TXSeries for Multiplatforms V6 and CICS® based applications. It also provides an overview of how TXSeries for Multiplatforms based applications can be used in an enterprise environment.



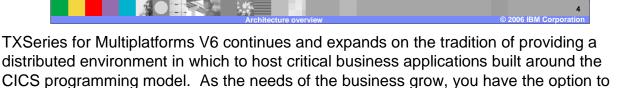
This presentation will cover the TXSeries architecture and describe the role it plays in the enterprise computing environment.

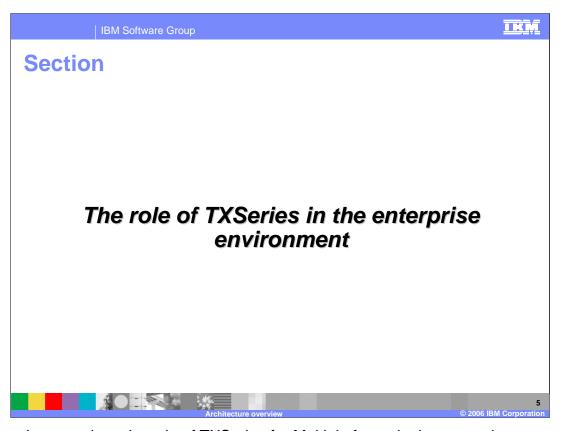
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Overview

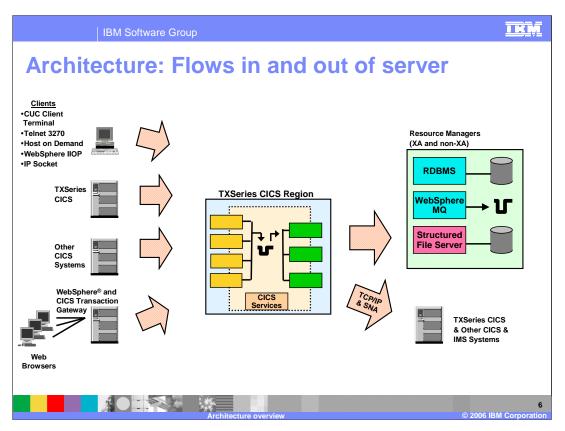
scale upwards to CICS Transaction Server.

- IBM TXSeries for Multiplatforms provides the foundation to run many high-volume, business critical enterprise applications
 - It provides an environment to run CICS applications in distributed environments
 - TXSeries for Multiplatforms V6 delivers a Services
 Orientated Architecture hosting infrastructure
- Allows customers to scale upwards to IBM CICS
 Transaction Server as the business needs grow





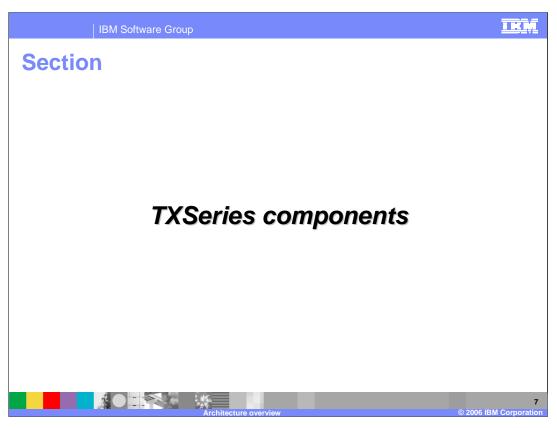
This section examines the role of TXSeries for Multiplatforms in the enterprise computing environment.



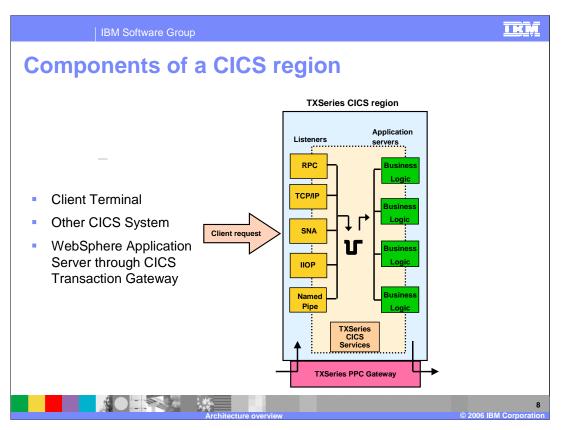
The CICS transaction processing environment consists primarily of CICS clients, one or more CICS regions and Resource Managers.

Work requests come from a number of sources, such as a CICS client or another CICS system into a CICS region. The CICS Client machines can be workstations that present a graphical user interface to CICS, or simply devices, such as an automated teller machine and bar-code readers.

The CICS region runs the application and can connect to resource managers such as RDBMS databases, messaging systems, other CICS systems or other enterprise systems.



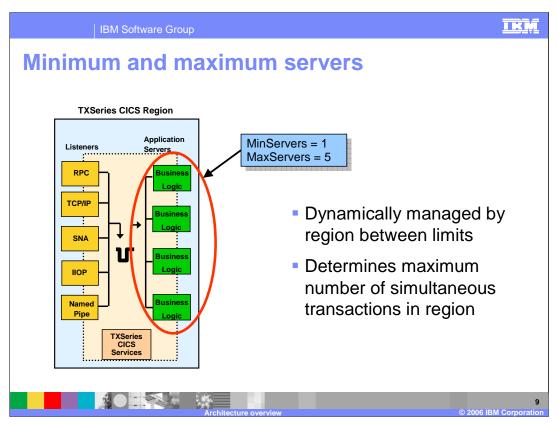
In this section some of the important components of TXSeries will be discussed.



A client request comes from a CICS client or other CICS systems, which attach to a CICS region and through which the CICS transactions are run.

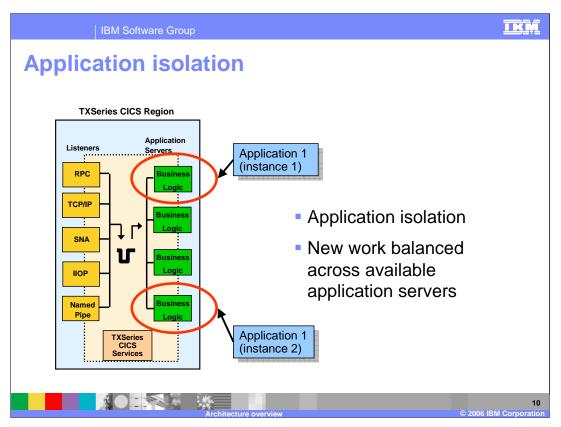
The CICS region on the other hand, includes Listeners, which receive requests to run transactions, then hand them over for prioritization, scheduling, and dispatching to an application server for processing. A pool of application servers run the transactions and interact with the requestor to send or receive input and output.

CICS services are used to manage the whole CICS region. The whole of this is encapsulated in a logical entity called a TXSeries CICS region.



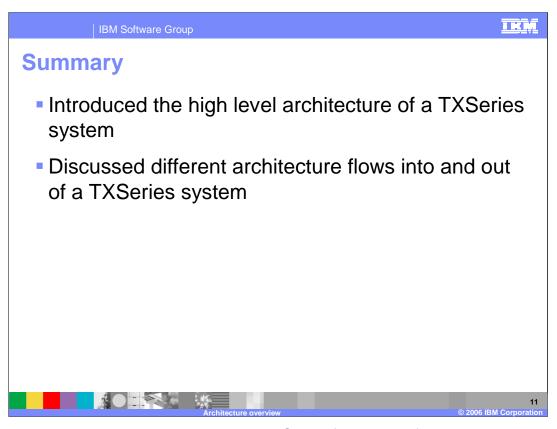
When the CICS region is started, there will be minimum number of application servers invoked, with new application servers created if there are no application servers available to service a new inbound request. New application servers are created subject to a limit defined as maximum. Unused application servers are terminated if they remain idle for a specified time limit.

You can identify correct values for the minimum and maximum limits through testing, tuning and observation.



The business applications that are run under different application servers are isolated, so two applications running concurrently on two different application servers will not affect each other's operations. This is true even for applications of the same instance.

New work requests coming to the CICS region will automatically be balanced across available application servers.



In summary, this presentation covered the TXSeries for Multiplatforms architecture at a high level and showed some of the types of client and other enterprise systems TXSeries can interact with.



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