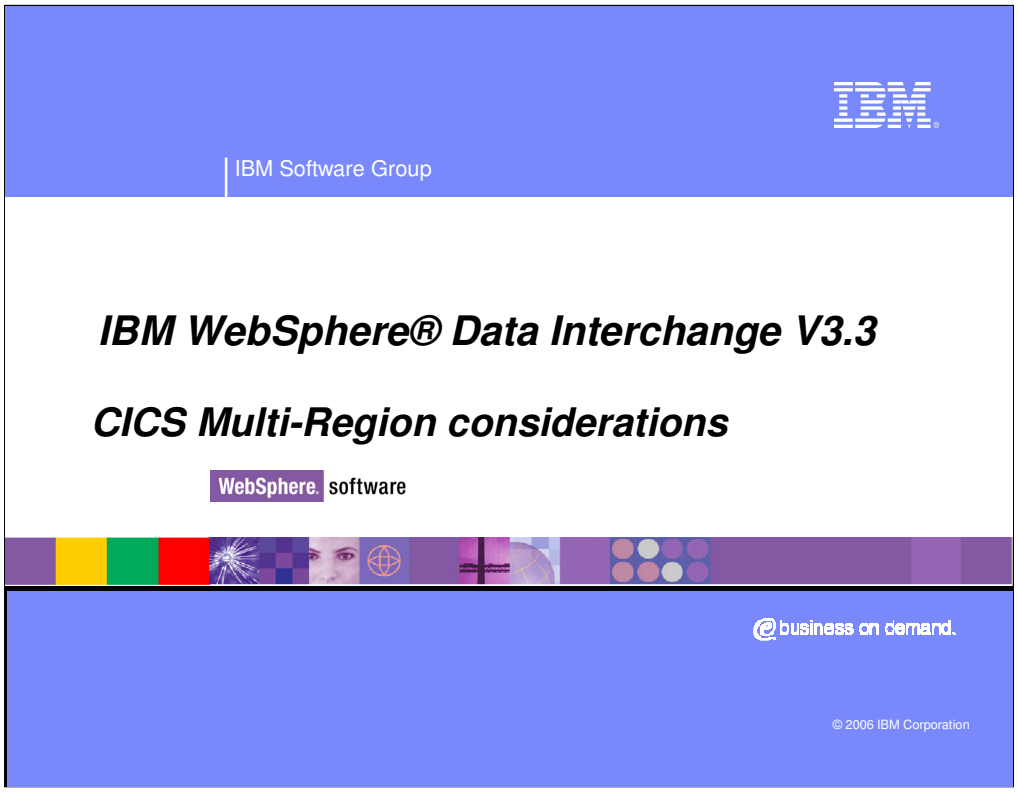
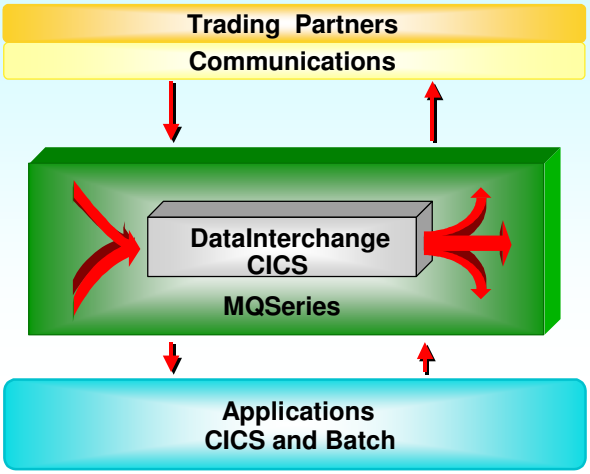


This presentation discusses how WebSphere Data Interchange could be implemented as a CICS Multi-Region Option configuration.

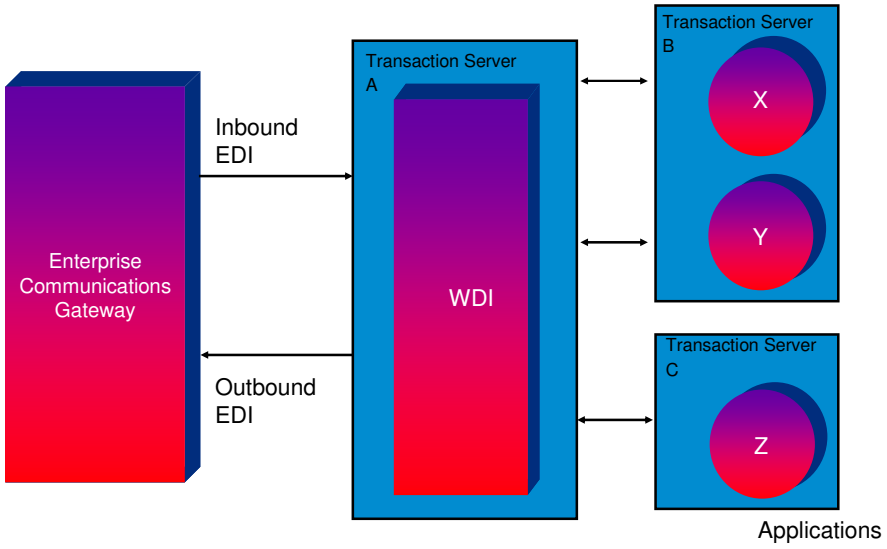
Basic Flow



An enterprise deals with many trading partners (suppliers, distributors, clients, financiers)

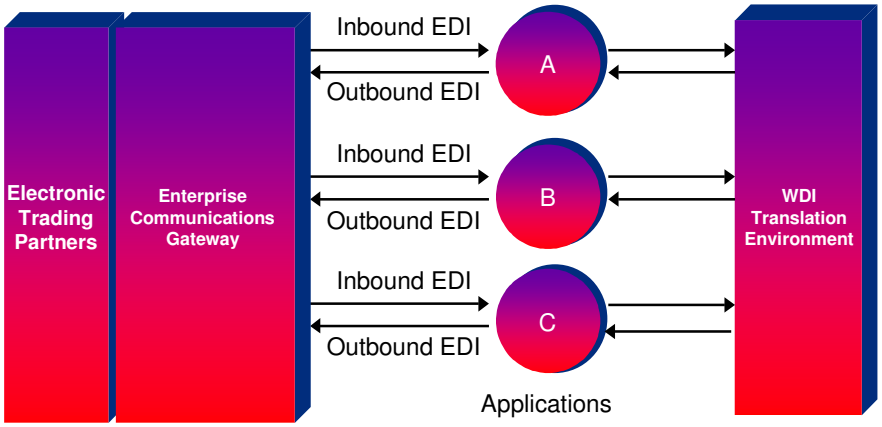
EDI processing is like a wheel with many spokes. Each spoke represents a Trading partner, the Hub is the business enterprise. WebSphere Data Interchange transforms data from the outside world (Trading Partners) using a server, like CICS, to data formats that can be used by internal applications. The flow can alos go from applications back to the outside world.

Multiple Processing Environments



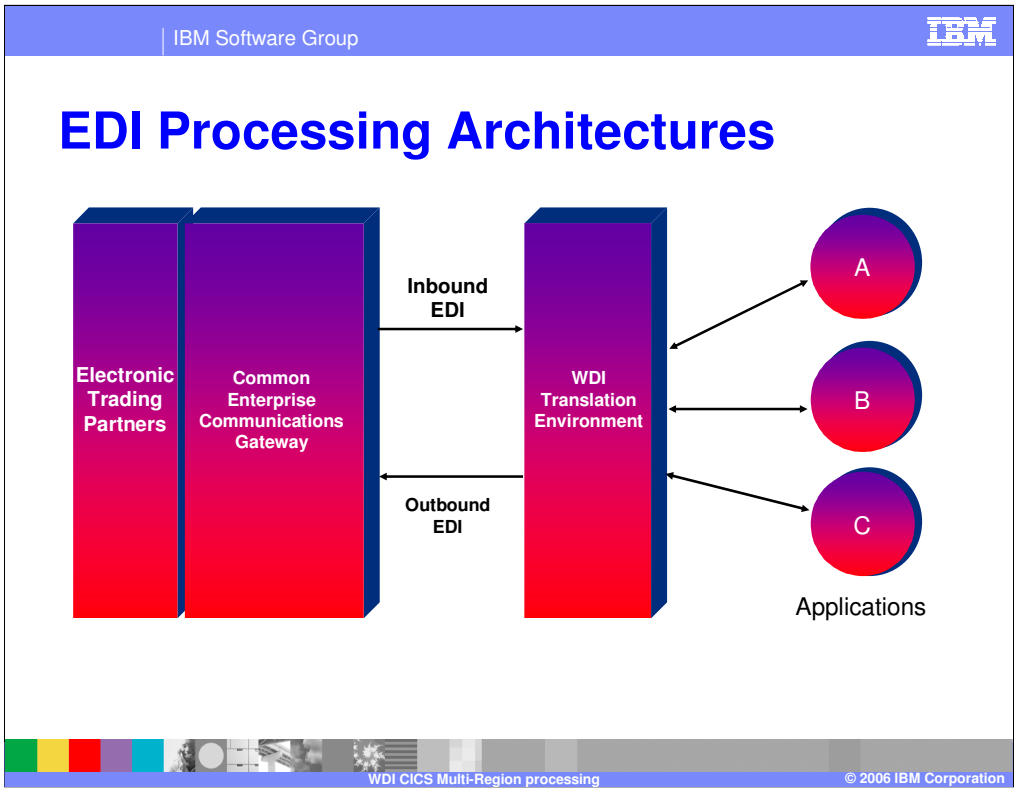
WDI works with both the CICS Multi-Region Option (MRO) environment and with CICS Inter System Communications (ISC) environment features.

EDI Processing Architectures



One EDI Processing architecture allows user-written applications to interface with the Gateways.

In this architecture, each application handles I/O from the network and links to resources (e.g. WDI for translation) that it needs.

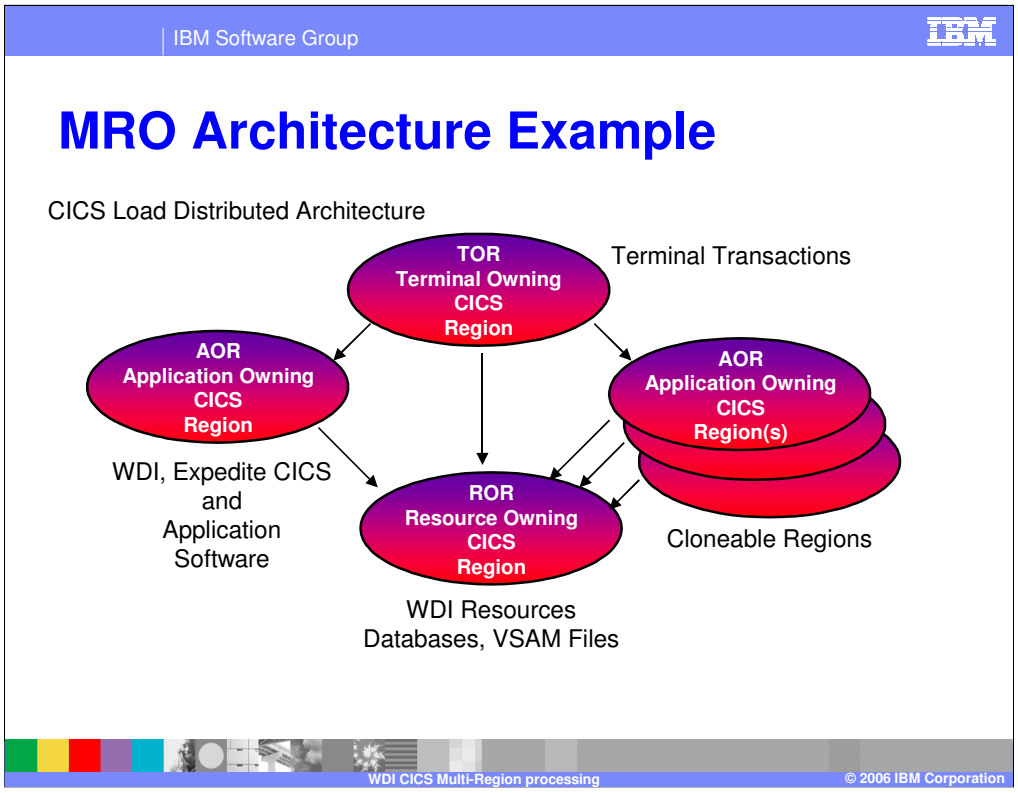


An alternate architecture is to let the processing resource (WDI) handle the data interface.

In this way the applications are removed from data acquisition handling considerations, leaving

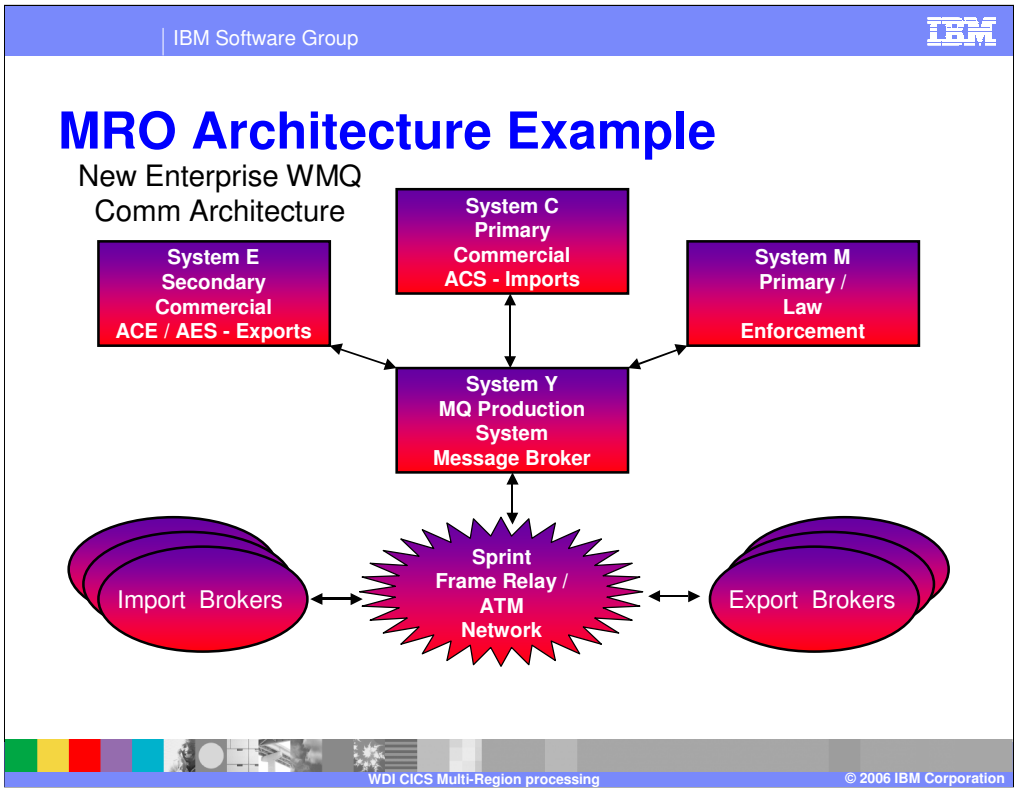
an Application with a single way of receiving data.

WDI has a VAN interface, a MQ interface, uses TSQs as input, can read from VSAM files, etc. These components handle data acquisition for WDI and the architecture.



Because of WDI's architecture, the installation can setup CICS as it likes,

One customer shared with us its approach to distributing transaction load. The configuration involved 1) an Application owning regions, where user applications resided as well as WDI as an application, 2) a Terminal owning region, where I/O devices were defined and processed, and 3) a Resource Owning Region where WDI and other application databases and VSAM files were defined. With this configuration, if an application region was down, other applications could continue processing.



In the customer complex of processing units, the customer funneled its input into a common processor using WMQ.

The presence of data on the WMQ Queues then fired off the WDI processing regions.

In summary,

1) WDI supports an MRO implementation

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