

EXAMPLE: TRADITIONAL VERSUS COOPERATIVE PROCESSING

(50,000 Line COBOL Program)

Mainframe Processor	Processing Tasks	Client (End User)	Server 1 (Application)	Server 2 (DBMS)
~~~~~ ~~~~~ ~~~~~	<b>Input Functions</b>	~~~~~ ~~~~~ ~~~~~		
~~~~~ ~~~~~ ~~~~~	<b>Editing and Validation</b>		~~~~~ ~~~~~ ~~~~~	
~~~~~ ~~~~~ ~~~~~	<b>Business Rules</b>		~~~~~ ~~~~~ ~~~~~	
~~~~~ ~~~~~ ~~~~~	<b>Data Retrieval and Storage</b>			~~~~~ ~~~~~ ~~~~~
~~~~~ ~~~~~ ~~~~~	<b>Business Rules</b>		~~~~~ ~~~~~ ~~~~~	
~~~~~ ~~~~~ ~~~~~	<b>Output Functions</b>	~~~~~ ~~~~~ ~~~~~		

Note: Example of a traditional data processing model where all processing is performed on a mainframe compared to cooperative processing being performed on a three-tier client/server model where the workload is distributed across three computers – each performing a different portion of the data processing task.