

Off line Point of Sale and multi platform connectivity

Many integrated offerings can only work if the head office and branches are on line and real time (typical thin client approach). The alternative approach is using a store solution that provides POS and back office functionality that sends store information on a regular basis to a head office server where the data is consolidated and reconciled. This approach does not cater for real-time data and eliminates the interactive business process between various locations.

<i>Thin Client</i>		<i>Traditional POS (off-line)</i>	
<i>Pro</i>	<i>Con</i>	<i>Pro</i>	<i>Con</i>
<i>Integrated business process</i>	<i>Reliant on connectivity to store – no connectivity no transactions</i>	<i>Pos available even if H/O server or connectivity down</i>	<i>All master data and security maintained at store level</i>
<i>No Recapturing or reconciliation</i>	<i>Usually slower service due to constraints on H/O server</i>	<i>Less stress on H/O server from a performance perspective</i>	<i>No integrated business process and therefore reconciliation between financial system and store system required</i>
<i>Security managed at Head Office</i>	<i>Depending on cost of connectivity can be very expensive to maintain on monthly basis</i>	<i>Quicker reaction and processing at POS</i>	<i>Many versions of the truth</i>
<i>Store data available real-time</i>	<i>Very powerful server required</i>	<i>Less requirements on H/O server</i>	<i>Usually discrepancy between H/O servers and data and store servers and data</i>
<i>Security managed at H/O</i>		<i>Cater for cheaper solutions at branches</i>	<i>Difficult to verify that all prices and cost have been updated</i>
<i>Cost and selling prices maintained live</i>		<i>Cater for different architectures and topologies</i>	
<i>Master data maintained centrally and immediately available to all stores</i>		<i>Master data main-tained centrally and immediately available to all stores with replication within single plat-form</i>	
<i>One version of the truth</i>		<i>One version of the truth with replication</i>	

The DMK-ERP architectural design incorporates the benefits of both the Thin Client and Off-Line POS and a customer can to use a mix and match approach across branches using a combination of on-line and off-line approaches, topologies and architectures. The DMK design structure and methodology utilized from an architectural specification perspective ensure that DMK can address:

1. Multi platform connectivity issues
2. Multi platform synchronization issues

In this regard the DMK solution specifically manages the following:

- Primary key generation
- Table locking Management

Contact us to see the *first truly integrated, single retail ERP system* at: info@dmk-erp.com or visit our website at: www.dmk-erp.com



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