.NET Mobile Applications
Drizzle Technology

Key Features
- Enables communication between a mobile device & a base repository of data.
- Periodic or on demand synchronisation of data.
- Bidirectional synchronisation.
- Optimised to maximise limited bandwidth.
- Data filtering so only prudent data is transmitted.
- Implemented over any type of data network.
- Strong encryption to ensure that data to and from the mobile device is kept totally secure.

Key Benefits
- More efficient and pro-active remote working.
- Replicate data over slow or partially existent connection.
- Remotely manipulate large volumes of data effortlessly.
- Compatible with any SQL Server database

Billions of Microsoft's research and development dollars have been invested in the .NET technology concepts. The availability of this latest generation of powerful software tools from the world's largest software company will bring about radical changes in computing. Applications that were once complex, time consuming and expensive can now be rapidly developed tested and deployed quickly and cost effectively.

.NET is the Microsoft solution for Web services, the next generation of software that connects the world of information, devices and people in a unified personalised way. The aim is to bring the benefits of collaboration and interoperability to the isolated islands of data within many organisations.
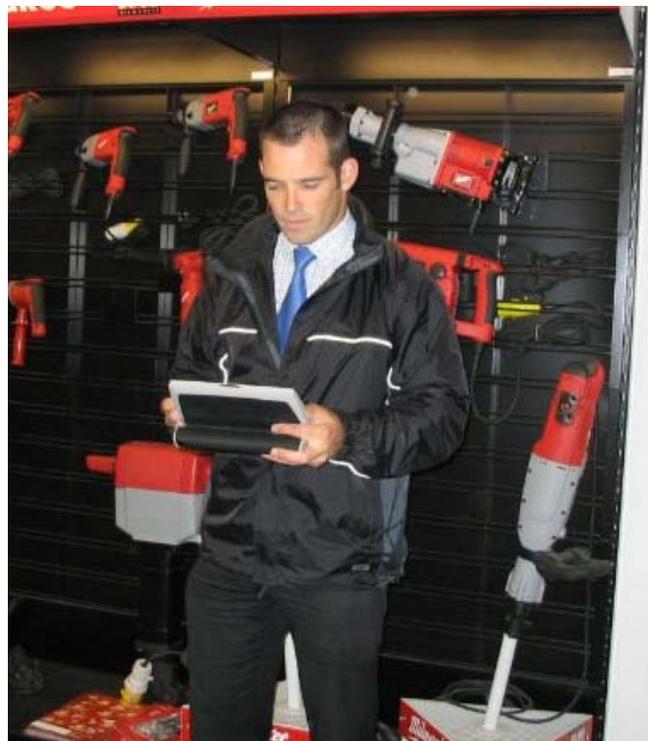
Anglia Business Solutions is uniquely positioned to enable organisations to benefit from these advanced developments. As a Microsoft Gold Certified Partner and Microsoft Business Solutions (MBS) Certified Partner, the company has the correct skill profile to offer clients a single source of expertise that meets their needs. Anglia has made a significant investment in the creation of a range of powerful .NET based applications. These applications ultimately short circuit the development and deployment effort involved in the implementation of such solutions.

What is Drizzle Technology

Drizzle Technology (DT) is the enabler for communication between mobile devices and a base repository of data.

DT lets you replicate data over slow or partially existent connection. For example a field worker may use a handheld computer but is reliant on using a mobile phone connection when available to synchronise data with a base server.

DT lets mobile devices periodically or on demand synchronise data. The synchronisation is bidirectional and is optimised from the ground up to maximise limited amounts on bandwidth. Synchronisation is computed on both the mobile device and base repository to ensure that the available bandwidth is utilised optimally. Additionally if a connection is unexpectedly lost the system picks up from the point where the connection was dropped with no loss of data.

DT is also able to filter data on the base repository of data to ensure only prudent data is transmitted. For example a salesman may only want to have available customer information prudent to the territory they look after.

DT has the advantage that it lets the mobile user manipulate large volumes of data effortlessly. Large price lists or stock inventory can be sent over to the mobile device. DT only transmits the changes on individual items which makes working with massive volumes of data fast and reflective quickly of change.

The synchronisation of data can be implemented over any type of data network including private corporate (LAN/WAN), wireless (RF/802.11x/Spread Spectrum), public phone network, mobile phone network (GSM/GPRS/CDMA). The entire synchronisation process uses strong encryption to ensure that data to and from the mobile device are kept totally secure, even when operating over the public Internet.

DT is built from the ground up using Microsoft Products. The technology employed is built around Microsoft SQL Server and robust .NET components which have been optimised for this application. The entire environment can be used to deliver data from any system hosted on a SQL server, including Microsoft Dynamics, SAP or J D Edwards.
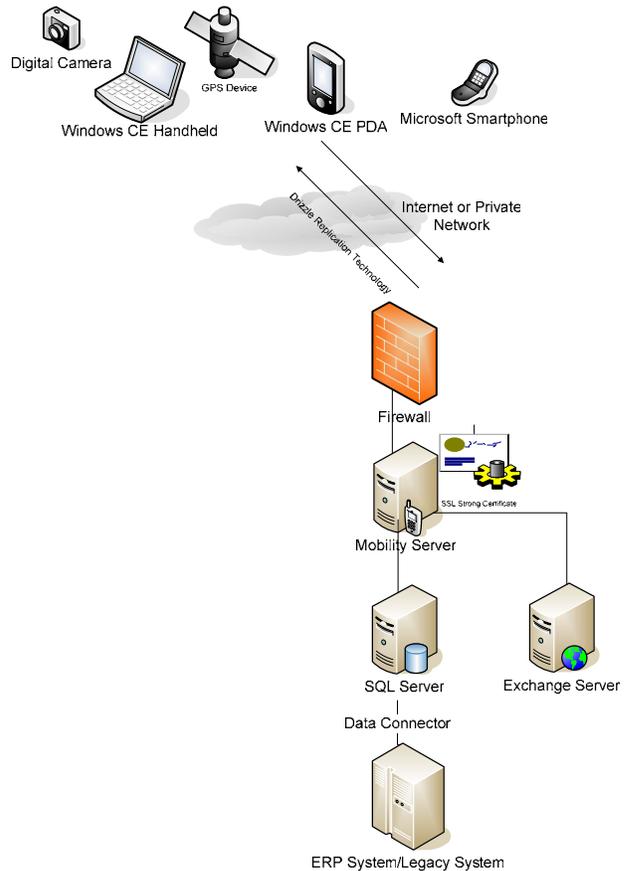

Fig 1. A typical DT architecture.

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