

The Teamwork of Mobile Systems, IT-Infrastructure & Middleware

Businesses today place particular emphasis on improving their figures - increasing productivity and decreasing costs being their primary goal.

For those working in IT this necessitates - despite budget cuts - making applications and business data more accessible. Such developments are accompanied by the challenge of keeping businesses mobile and flexible to an extremely high degree. This trend is reflected e.g. in the continually growing number of mobile staff.

It is therefore important to offer applications and end users access to the business net. Growing mobility also means that staff will use a greater number of different intelligent end systems (so-called **Mobile Systems**) depending on whether they are working in the office, at home or on the road and on the tasks they are performing.

Since a large part of those mobile systems is linked, the underlying hardware and software architecture receives special significance. One could even say that no longer is it only the performance capacity of the embedded systems that is of primary importance in terms of data access but also that of the **IT-Infrastructure**.

For this reason, the individual architectures of end devices such as SmartPhones, Personal Digital Assistants (PDAs) etc. has to be integrated seamlessly into the infrastructure of businesses via flexible **Middleware**.

Within the IT infrastructure, Middleware is the software layer between the transmission network and the applications on the end devices. The task of the Middleware is to abstract from the properties and the complexity of the applied infrastructure and to standardise the interaction between applications to allow them to run smoothly.

For Mobile Systems, this means a best possible integration into the software architectures of

- .NET
- J2EE (Java 2 Platform, Enterprise Edition)
- CORBA (Common Object Request Broker Architecture) and
- Web Services

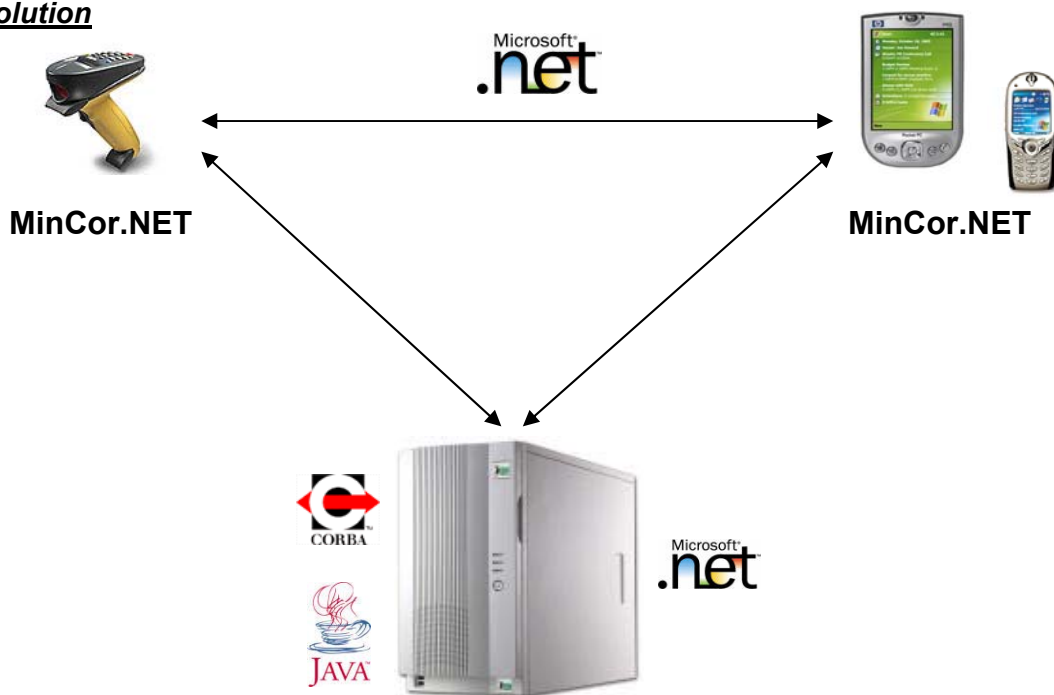
Using Middleware MinCor.NET

The kind of business that will profit from using middleware MinCor.NET will already use or have decided to use mobile devices with Microsoft Windows operating systems with the .NET Compact Framework, and want to optimally integrate the Mobile and Embedded Systems into their infrastructure.

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The Efficient Use of Middleware MinCor.NET

The Middleware **MinCor.NET** is the key that opens existing distributed IT infrastructures to Windows Embedded and Windows Mobiles, and to make the advantages of Microsoft .NET part of your own business landscape. Because of **MinCor.NET's** concept as platform independent and language independent it is universal and, because of its speed and compactness superbly suited for use in all Windows Embedded and Windows Mobile based applications where time is a factor. **MinCor.NET** offers an ideal foundation for setting up an efficient system world on the basis of .NET architecture.

Solution

Mobile applications launched today on Windows Embedded platforms are using the .NET Compact Framework. To date mobile devices cannot be smoothly integrated because of lacking .NET Remoting within the .NET Compact Framework. Middsol is closing the gap with the product MinCor.NET.

Applications using MinCor.NET can run on all devices with Windows Embedded operating systems easily connecting to .NET, J2EE or CORBA servers without changing the source code for the communication functions.

Middsol's technology even enables applications running exclusively on architectures outside .NET today, to integrate with .NET mobile devices without any further additional investments.

Systems Requirements

- **MinCor.NET** requires the Microsoft .NET Compact Framework