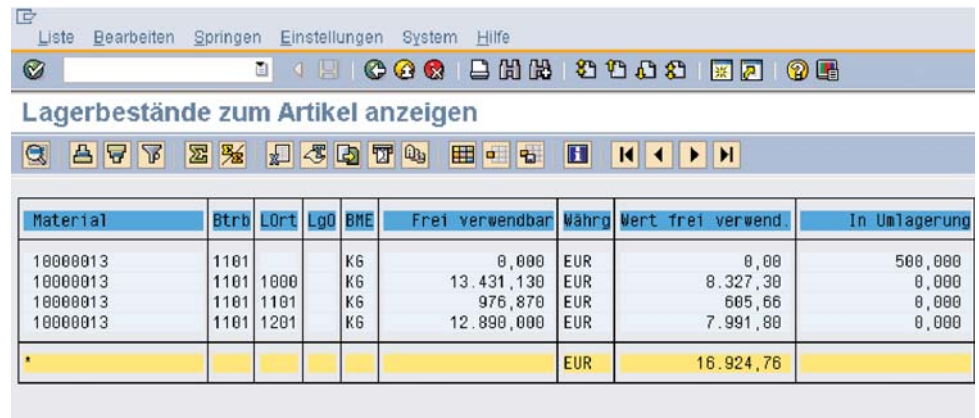


Etiscan SAPConnect.net

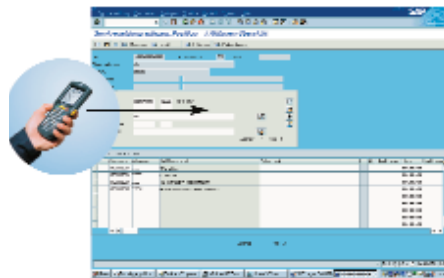
Etiscan SAPConnect.net - The interface to SAP ERP ECC 6.0 (formerly SAP R/3)



Material	Btrb	Lort	LgO	BME	Frei verwendbar	Mährg	Wert frei verwend.	In Umlagerung
10000013	1101			K6	0,000	EUR	0,00	500,000
10000013	1101	1000		K6	13.431,130	EUR	8.327,30	0,000
10000013	1101	1101		K6	976,870	EUR	605,66	0,000
10000013	1101	1201		K6	12.890,000	EUR	7.991,80	0,000
						EUR	16.924,76	

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Etiscan SAPConnect.net allows the connection of mobile data entry devices via radio communication or transmission station (so called Batch-Type) to SAP ERP ECC6.0 (formerly SAP R/3).

What is so special about this interface?

Etiscan SAPConnect.net links-up the mobile data entry device like a common user. That means the screen the user normally sees will be transformed and the input fields the user should fill in are displayed on the mobile device. Input fields with static data (e.g. plant ID, etc) will be filled with default values derived from a configuration file and therefore require no user input. The same is true for fields which could be calculated or derived from external data sources.



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Mobile applications have special requirements

If you are sitting on a fork-lift truck transporting goods, you couldn't deal with complicated dialogs on a mobile data device at the same time. Being aware of this we designed our interface to be most easy to use for users of mobile data entry devices. Dialogs were adjusted so that only really necessary data has to be filled in while mobile.

All static data which is stored at the radio server will be linked with the incoming datasets and then forwarded to be booked in SAP ERP ECC 6.0. That means even personal not working with computers are enabled to input postings with absolute reliability and accuracy in SAP ERP ECC 6.0. Double postings will be avoided effectively.

The booking result will be displayed on the mobile device at once if connected via radio transmission, enabling the user to react in case of errors.

High data integrity

As all entry operations are booked directly in SAP ERP ECC 6.0, there is no database in between, no service and no intermediate layer.

A dataset is saved the moment the user gets the confirmation on the mobile data device – exactly the same as if entered through the on-screen dialog. The confirmation is exactly the same as displayed on the SAP GUI. Further processing of batch files which are error-prone is unnecessary.

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Screenshots of a SAPConnect.net application on a mobile scanner:

Etiscan IpClient.ne 00:18

(c)2009 Etiscan GmbH
SAP-System:
2 C20 Konsolidierung/Consolidation

WERK:
003

LAGERORT:
300

Benutzer:
uext_hh

Passwort:

Datei Zurück

Hauptmenü 00:25

1->WE Bestellung
2->Anlegen TA aus TB
3->TA-Info
4->TA-Quittierung
5->Bestandsinfo
6->Material ändern
7->Rückmeldung
8->Abmelden

Datei Zurück



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Short project duration, low costs

Until now the usage of mobile data entry devices in a SAP Environment were synonym to high costs and long project duration. Until now! In using the already existing SAP input dialogues the effort of customizing is reduced to minimum. Therefore complete solutions with wireless mobile data entry devices are possible at a very favourable price.



Wir erfassen was Sie brauchen

What has to be done for implementing mobile data entry?

1. Planning dialogues for mobile usage (incoming goods, outgoing goods, inventory ...)
2. Planning the simplification of dialogues to be suitable for mobile input.
3. Choose the mobile devices
4. Decision for wireless- or batch transmission

After this step we are able to start with customizing the dialogs. The following dialogues are ready to use:

- Inventory (MIxx)
- Goods Receipt for Purchase Order (MIGO)
- Goods Withdrawal with Reference to an Order (planned / unplanned) with Cost Center (MIGO / MB1A)
- Transfer Posting (MIGO / MB1B)
- Change Delivery Document (VL02n)
- Stock Overview (MMBE)
- Purchase Orders by Material (ME2M)
- Product-/Lot Tracing (COxx)
- Production Backflush
- Production Data Acquisition
- Maintenance

Material	Soll	Ist
INNENSYNCHRONRING \'	285748	

If you prefer: customizing by your own employees:

After implementing the basic installation together, your employees could do further adjustments.

You could use your own resources to implement additional dialogs – or rely furthermore on the Etiscan Software Team, just as you like.

The Programming:

All adjustments are carried out in Microsoft Visual Studio .NET, the standard IDE for Windows programming.

It is possible to purchase the source code of the adjustments made.



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Mobile Data Entry Devices – Free Choice

Because Etiscan SAPConnect.net is compatible to all mobile data entry devices used by Etiscan, only your requirements are relevant for choosing the device.

Whether you use a fork-lift-terminal or a Windows-CE-Device – Etiscan SAPConnect.net is ready for it.



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SAP-System Requirements

To run Etiscan SAPConnect.net, there are few SAP System prerequisites:

- SAPConnectXP.net is executable with Release 3.1I, 4.0B, 4.5B, 4.6B, 4.6C, 4.6D, 4.7 as well as mySAP ERP 2004 with ECC 5.0, mySAP ERP 2005 with ECC 6.0, SAP ERP 6.0 with ECC 6.0
- SAP GUI Release 6.40, 7.10 or higher
- MS Windows XP, MS Windows 7, MS Windows Server 2003, MS Windows Server 2008
- Active SAP-GUI-User-Scripting (Server-Profile-Parameter, administration via transaction code RZ11)

Technical specification Etiscan SAPConnect.net

Sourcecode

Purchasable on inquiry

SAP Certification

Not necessary because of connection via SAP GUI

Performance

Optimized Performance through transmitting only user data, templates are stored locally and though require less processor recourses when started.

Communication / Infrastructure

- Online (via Radio transmission, WLAN, Bluetooth and GPRS)
- Offline via Dockingstation
- Hybrid Operation without area-wide radio service

Supported Hardware

All WIN CE and WIN Mobile devices, preferably hardware of Motorola (former Symbol), Datalogic and Inter-mec, because of the already existing clients.

SAP License Situation

Scenario A: Composite-User

- A user, whose credentials are stored in SAPConnect, logs on to the scanner.
- SAPConnect logs on to SAP as Composite-User 'SCANNER'
- The details-field is used for recording the scanner-user who did the booking.

Advantage: Very few SAP-User are necessary, for example one per location.

Disadvantage: It is harder to figure out who really processed the booking.

To Verify: Are multiple User allowed to use only one SAP-User (not concurrent)



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Szenario B: Named User

- The User logs on to the scanner with his SAP-User-Data
- All postings will be processed as being keyed in into the common GUI.

Advantage: All postings are related to the real User.

Disadvantage: Per Scanner-User there must be a SAP-User license

Time of delivery/ Project Realization

Possible at short notice, depending on the complexity the project-duration is approx. four to eight weeks.

Updates / Software Maintenance

A software maintenance agreement is optional (not mandatory), further development and customizations due to release changes can be performed by the customer.

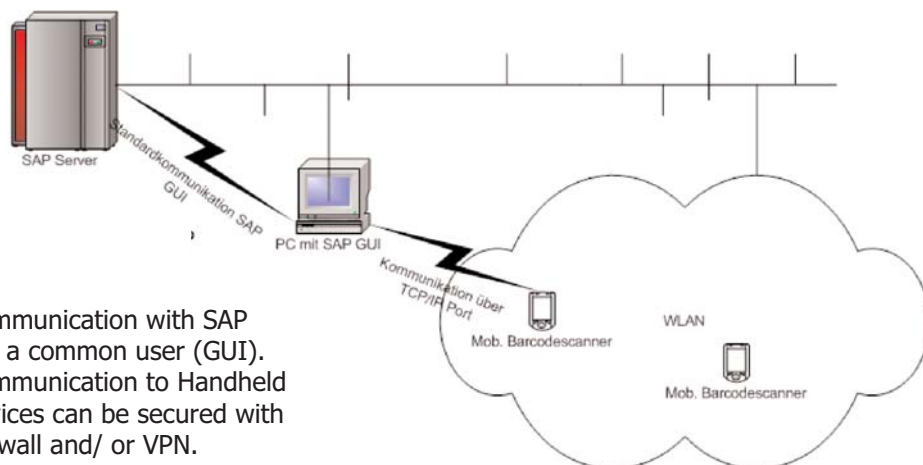
Batch-Input

Etiscan SAPConnect.net is optimized for a wireless solution, but supports batch-modus as well, a radio connection is no prerequisite.

Compatibility

Because Etiscan SAPConnect.net is compatible to all mobile data entry devices used by Etiscan, only your requirements are relevant for choosing the device. Whether you use a fork-lift-terminal or a Windows-CE-Device is up to you.

Infrastructure-Schema with WLAN as an example:



Communication with SAP like a common user (GUI).
Communication to Handheld devices can be secured with firewall and/ or VPN.

Release Change/- Reliability

All SAP GUI fields are addressed through referencing the name of the field and not the order. Therefore a release change is expected to result in little customization effort.

All-In-One Solution

Solution from printing to scanning, including hardware, consumables and support

Supported Windows Operating Systems

Windows XP, Windows 7, Windows Server 2003 and Windows Server 2008

Installation for Testing and References

Installation for testing including hardware and customizing of one standard transaction on account with later off-setting possible. There are numerous reference customers.

Initiate label print

Initiation by mobile device at any time possible, supported/ designed for mobile printer

Stationary Client

Stationary client available, therefore all templates are not only for use with mobile terminals but for stationary PCs (e.g. production backflush) as well.

No Database-Licence or Middleware necessary

All customization is based on Visual Basic .NET.

etiscan
Identifikationssysteme

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Etiscan SAPConnect.net

Module-Overview Etiscan SAPConnect.net

MIGO

MIGO incl. first Transaction Type and Cancellation
 Option Lot for MIGO
 Option Serial No. for MIGO
 Every further Transaction Type (without verification)
 Every further Transaction Type (with verification)

VL02n

Picking (VL02n)
 Option Lot for VL02n
 Option Serial No. for VL02n
 Packing (VL02n)
 Option Lot for Packing
 Option Serial No. for Packing

Information

Material Master MM03
 Stock Overview MMBE
 Material Doc. List MB51

Time Sheet

Enter Time Sheet
 Enter Time Events

Inventory

SAP Inventory MM (Etiscan)
 Create Physical Inventory Document MIO
 Change Physical Inventory Document MI02
 Display Physical Inventory Document MI03
 Enter Inventory Count with Document MI04
 Process List of Differences MI07
 Recount Physical Inventory Document MI11
 Display Inventory Count MI06
 Print Physical Inventory Document MI21

WM

Create Transfer Order from List LT10
 Option Print Label directly from Scanner
 Confirm Transfer Order Item (LT11)
 Option Print Label directly from Scanner
 Warehouse Stocks per Material (LS26)
 Display Transfer Order / Stor. Type (LT22)
 Option Print Label directly from Scanner

Print Label

Via direct access per transaction
 Directly from SAP --> SAP Label Print

Additional, respectively necessary services like radio propagation measuring, requirement specification, installation & instruction etc. on request.



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Technical Requirements Etiscan SAPConnect.net

Requirements for Support / Development SAPConnect

- Remote connection to SAP Test System (VPN)

Requirements for running SAPConnect

1. Productive PC (Win XP, Win 7, Win Server 2003/ 2008)

- The requirements for the server are the same as for an PC for running SAP GUI with a reasonable performance. Suitable are all current office processors. We recommend at least 2 GB Ram and allocate approximately 500 MB disc-space (for logging purposes). In general the PC should be suitable for round-the-clock service. Because it is more a kind of gateway without caching data (except the mentioned logfiles) it hasn't to be a classical server. Windows XP is sufficient as operating system, but Windows Server 2003 or Windows Vista are suitable as well.

The bandwidth in direction of SAP should be as high as possible, because the faster the SAP GUI responses, the faster the response is on the handheld (the overhead lies in the range of 100 ms).

- Remote maintenance is carried out via Netviewer (that means access via http. The PC needs access to the internet.)
- SAP GUI Release 6.40, 7.10 or newer
- Network access and access to SAP Testing-System and SAP Productive-System
- Passwords for network login and SAP login.

2. 2. Requirements to SAP

- SAPConnect is executable on all current releases (3.1I, 4.0B, 4.5B, 4.6B, 4.6C, 4.6D, 4.7, mySAP ERP 2004 with ECC 5.0, mySAP ERP 2005 with ECC 6.0, SAP ERP 6.0 with ECC 6.0)
- For releases 3.1I to 6.10 ABAP Support Packages and SAP Kernel Patch are necessary, for necessary patch-levels we refer to OSS-Note 480149 in the appendix.
- User-Scripting Support must be activated (Transaction RZ11, parameter sapgui/user_scripting.)

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Appendix: OSS – Note 480149

Symptom

The `sapgui/user_scripting` parameter is imported again. If this parameter is set to `TRUE`, the scripting functions can be used with a GUI as of version 6.20 on the front end.

The default value of the parameter is `FALSE` so that scripting to the system is not possible.

Note that you must enter the values in upper case;

There are 2 options for setting the parameter: In transaction `rz11` and in the server profile. If the parameter is only set in `rz11`, the change is lost when you restart the server.

Setting the parameter in the SAP system

If possible, dynamic setting of the parameter is executed using transaction `rz11`. Specify the parameter name `sapgui/user_scripting` and select 'Display'. Provided that the current value is set to `FALSE`, select the 'Change value' button in the toolbar. A window now appears, in which you can enter the new value `TRUE`. When you save the change, the window closes and the current value of the parameter changes to `TRUE`. This change only becomes effective when you log onto the system again.

If the parameter is not found, you must import the relevant Support Package in accordance with the list below.

If the current value does not change accordingly after you have saved the change, it means that the kernel is too old. In this case, import the required kernel patch, as specified below.

Setting the parameter in the server profile

If you have not imported the Support Package, you can switch the scripting on if you set the parameter in the profile file of the application server with the following line:

```
sapgui/user_scripting = TRUE
```

This procedure only requires the specified kernel patch level, however, you must restart the application server.

Wir erfassen was Sie brauchen



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