

**License Guide**

SAP Business One

Document Version: 1.0 – 2012-10-26

**PUBLIC**

# License Guide for SAP Business One 9.0

All Countries



# Typographic Conventions

Type Style	Description
<i>Example</i>	Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options. Textual cross-references to other documents.
<b>Example</b>	Emphasized words or expressions.
EXAMPLE	Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE.
Example	Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools.
<b>Example</b>	Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation.
<Example>	Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system.
EXAMPLE	Keys on the keyboard, for example, F2 or ENTER.

---

# Document History

Version	Date	Change
1.0	20012-10-26	Final

---

# Table of Contents

<b>About This Guide .....</b>	<b>5</b>
<b>SAP Business One Licensing System .....</b>	<b>6</b>
Overview .....	6
Method of Operation .....	6
<b>SAP Business One User Licenses .....</b>	<b>7</b>
Included Components .....	9
<b>SAP Business One Starter Package .....</b>	<b>10</b>
<b>Localized Licenses .....</b>	<b>11</b>
<b>Trial Company Installation .....</b>	<b>12</b>
Creating a Trial SAP Business One Company .....	12
<b>End User License Agreement (EULA) .....</b>	<b>14</b>
Signing the EULA for the First Time .....	14
Reviewing the EULA Acceptance Details .....	15
Resigning the EULA .....	16
<b>SAP Business One Software Development Kit .....</b>	<b>17</b>
<b>License Key Request .....</b>	<b>18</b>
Requesting License Keys .....	18
Returning Unused Licenses .....	19
Reassigning Users .....	19
Shutting Down an SAP Business One System .....	20
Installing License Keys .....	20
<b>More Information .....</b>	<b>21</b>
intercompany integration solution for SAP Business One .....	21
SAP Business One analytics, powered by SAP HANA .....	21
SAP Business One for iPhone and iPad .....	21
<b>Frequently Asked Questions .....</b>	<b>22</b>

---

## About This Guide

This document describes the SAP Business One licensing system, the various licensing options, and the license request procedures. In addition, an FAQ section provides answers to the most common questions related to licensing issues.

For information about licensing requirements for specific features, see the license comparison chart in **sappartneredge.com**: <http://sappartneredge.com/B1/license>.

### Note

This document is based on the official SAP master price lists for SAP Business One. For more information, contact your local partner manager.

---

# SAP Business One Licensing System

## Overview

The licensing mechanism in SAP Business One consists of the following components:

- **License server** – manages license requests; and can be installed on any computer in the organization
- **License file** – generated by SAP on request; and contains the licenses you have purchased plus other relevant information
- **External API** – enables partners and third parties to retrieve information from the license server using public interfaces. For more information, see the SAP Business One SDK Help Center.

### Note

As of SAP Business One 8.8, the license server functions also as a security server. For more information, see [Managing Security in SAP Business One](#) in the SAP Business One *Administrator's Guide*.

## Method of Operation

SAP Business One workstations read the name of the license server to which they connect from the SLIC table in the SBO-COMMON database. All company databases sharing an SBO-COMMON database use the same license file. In addition, several SBO-COMMON databases can point to the same license server.

# SAP Business One User Licenses

SAP Business One is based on a **named user** licensing model, in which each license is granted to a specific user name. A named user is an employee of a customer, a subsidiary, or a third-party business, who is authorized to access, directly or indirectly, the licensed SAP Business One software.

Employees may not share a single user name to log on to SAP Business One.

Assigned licenses to a named user are not specific to a company database. Using the same user name, a named user can log on to SAP Business One twice, for example, to access a second company.

## Note

SAP is allowed at all times without prior notice to enforce and restrict the new user types in all software releases according to the contracted functionality. No rights are derived because SAP has issued user types in the license key that have more functionality than those user types contracted by the user. SAP is entitled to implement the new user types in the SAP Business One software at any time without prior notice, such that the delivered license keys fulfill the contracted licenses.

Depending on the type of user license granted, users may either have full control of a window (form), or open a window (form) in read-only mode, or have no access at all.

## Note

Access to windows within SAP Business One is also determined by authorizations.

The SAP Business One application includes the following license user types:

- *Professional User* – has full access to the sales, financials, administration, and business partner functionality, including indirect access (see definition below).
- *Limited CRM User* – has access rights to the SAP Business One sales, sales opportunities, and service modules and functionality including related reports, and can search company knowledge bases. This license also includes indirect access.
- *Limited Financials User* – has access to accounting, payments, and other financial and banking functionality, including generation of the related reports. This user cannot create or print sales invoices. The license also includes indirect access.
- *Limited Logistics User* – has access to sales, purchasing, inventory, production, and warehouse functionality, including generation of the related reports. This license also includes indirect access.
- *Indirect Access* – has access to any SSP solutions (developed with the SAP Business One DI-API) only. The Indirect Access license is bundled with the DI server. Users who have an Indirect Access license can access a limited number of application forms, but cannot perform any functions with the SAP Business One application. Users who have an Indirect Access license can access an unlimited number of SSP solutions.
- *SAP Business One Starter Package User* – A **maximum** of 5 users is allowed for this license type, and these cannot be mixed with other user types in the contract. The user can access all SAP Business One functionality except for **advanced functionality** in financial, sales, purchase, inventory, production, and service. Additionally, this user cannot use approval procedures, Quick Copy, and SAP Business One Integration for SAP NetWeaver (B1iSN). This license also includes indirect access.  
For more information, see [SAP Business One Starter Package](#).

---

The following licenses are supported but not available for purchase:

- *SAP Business One CRM Sales User* – has access rights to the SAP Business One CRM Sales functionality. It includes the rights granted under an *SAP Business One Add-on-Access User* license. The *SAP Business One CRM Sales User* does not include the rights granted under an *SAP Business One Web CRM User* license.
- *SAP Business One CRM Service User* – has access rights to the SAP Business One CRM Service functionality. It includes the rights granted under an *SAP Business One Add-on-Access User* license. The *SAP Business One CRM Service User* does not include the rights granted under an *SAP Business One CRM Anywhere* license (the user license for WebCRM). It enables companies to manage service processes, such as service contracts, service calls, and tracking equipment at a customer site. This user has access to a solution search from a knowledge base within the system. In addition, the user has access to operational and managerial reports, such as open service calls, service contracts (for example, by contract renewals), response time by assigned to, service monitor, and others.
- *SAP Business One Add-on-Access User* – has access to the SAP Business One software through a third-party product approved by SAP. This user applies as follows:
  - If a customer uses a solution (add-on/extension) developed by an SAP Business One partner with the SAP Business One Software Development Kit (SDK), using the Application Programming Interface(s) (API(s)), an *SAP Business One Add-on-Access User* must be licensed.
  - If customers run several partner solutions, they need to license one *SAP Business One Add-on-Access User* for each running solution.
  - The *SAP Business One Add-on-Access User* enables customers to use only partners' solutions without having to license an SAP Business One Professional User. The *SAP Business One Add-on-Access User* includes limited SAP Business One functionality (the functionality that is part of the integration between the partner solution and SAP Business One).

 Note

For information about licensing requirements for specific features, see the license comparison chart on [sappartneredge.com](http://sappartneredge.com): <http://sappartneredge.com/B1/license>.

 Recommendation

If you are planning to upgrade from a software version prior to SAP Business One 8.8, we recommend that you use the SAP Business One license validation service (LVS). LVS allows you to check the compatibility of your current licenses with the new release.



## Included Components

You do not need to request a separate license for the components listed below. You receive them automatically with your request for user licenses.

The following table shows individual components and the number of users and validity periods assigned to them:

Component	No. of Users
Software Development Kit - Implementation Version	99999
SDK tools	99999
SAP AddOns	99999
Compatibility License for AddOns	99999
Localization **	1
Version 8.8	1
CUSTN-*****	1
B1iINDIRECT MSS	1

### Note

CUSTN-\*\*\*\*\*: The customer number to which the license was granted.  
Localization \*\*: The localization to which the license key was issued.

### Note

The *Compatibility License* is included in SAP Business One to enable add-ons not registered at SAP to work together with SAP Business One. *Compatibility Licenses* in release versions prior to SAP Business One 8.8 did not check if a user connecting through a nonregistered add-on held a valid user license. As of SAP Business One 8.8, we have implemented this licensing rule in the *Compatibility License*. All users connecting through nonregistered add-ons must hold a valid user license. Users of all license types can access an unlimited number of add-ons. That is, the license types *Professional User*, *Limited CRM User*, *Limited Financials User*, *Limited Logistics User*, *SAP Business One CRM Sales User*, *SAP Business One CRM Service User*, and the *SAP Business One Starter User* all include *Indirect Access* authorizations.

---

# SAP Business One Starter Package

The SAP Business One Starter Package is designed for small companies starting an initial ERP implementation. It covers the most commonly used functionality for small companies that do not need to use advanced SAP Business One functionality. This license type is intended to be used in combination with a rapid (fixed and standardized scope) implementation.

The following conditions apply:

- The SAP Business One Starter Package can be licensed to a **maximum** of 5 Starter Package users.
- The SAP Business One Starter Package user cannot be mixed with any other SAP Business One user type.
- When upgrading to other user types, all SAP Business One Starter Package users must be upgraded to regular user types.
- The SAP Business One Starter Package cannot be combined with the [SDK Development License or DI Server License](#).
- SAP Business One integration for SAP NetWeaver (B1iSN) is not available for the SAP Business One Starter Package.

## Note

The SAP Business One Starter Package has been implemented as of release 8.81. The SAP Business One Starter Package is not supported by earlier releases.

---

# Localized Licenses

As of SAP Business One 8.8, each license is localization-specific. The different scenarios and their respective licensing policies are as follows:

- **Single country** – the customer uses SAP Business One in one country only. In this case, the license is generated for the specific country and the customer can create or access SAP Business One companies belonging to that localization only.
- **Multiple countries** – the customer has offices in more than one country and uses SAP Business One in the different locations, with each location having a different database set to a different localization. In such a case the following options are available:
  - **License file per country** – a country-specific license file (as described above) is generated for each country, according to the country's requirements (number of users, type of users, and so on). You can install the different license files on the same server; to do so, you must have a different installation for each location. If one database server is used for companies of different countries, the users are licensed to access companies belonging to the licensed localization only.

This licensing model is also applicable in cases where a customer extends the business from one country to an additional country.



## Example

A customer has offices in Germany and Austria. In each country, there are SAP Business One companies with their respective localizations. The SAP Business One companies are located on the same server in Germany.

The customer receives two license files: one for the users and the SAP Business One company belonging to the office in Germany, and the other for the users and the SAP Business One company belonging to the office in Austria. The users in Germany are able to access only the German SAP Business One company, and the users in Austria are able to access only the Austrian SAP Business One company.

- **Global license** – this license file enables you to access and create SAP Business One companies in all localizations supported by SAP Business One. This license is mainly for large customers that have branches in many different countries, and require constant access to the SAP Business One companies in different localizations. For more information about how to order a global license for SAP Business One, see SAP Note [1487586](#).

## Note

Customers who upgrade from release versions prior to SAP Business One 8.8, and who signed their initial SAP Business One contract with SAP before January 1, 2010, receive the global license even if their company is in a single location.

---

# Trial Company Installation

As of SAP Business One 8.8, you can create trial companies for different purposes without needing to install a license file.

Note that the trial company is available for use on 31 consecutive days only.

You may want to create a trial company if one of the following situations applies:

- The customer is not yet working with the productive system, or has just begun working in SAP Business One, and would like to gain experience and learn about the business processes implemented in SAP Business One.
- The customer must start working with the productive system but for some reason the license file is not yet available for installation. In this case, the customer can start working in a trial company. Once the license file is in place, the trial company can become a regular company without being affected by the 31 days expiration period. The license file must be generated and installed within 31 days of the creation of the trial company.

Productive use is not yet allowed because no End User License Agreement (EULA) has been signed. However, customers can prepare for "go-live" with an unlicensed trial company.

## Creating a Trial SAP Business One Company

1. Activate the SAP Business One application. In the SAP Business One logon window, choose the *Change Company* pushbutton.
2. In the *Choose Company* window, choose the *New* pushbutton.
3. In the *Site User* window, enter the site password and choose the *OK* pushbutton.
4. In the *Create New Company* window, select the *Trial Version* checkbox.

### Note

If the license file is not yet installed, the *Trial Version* checkbox is automatically selected and cannot be deselected.

5. Specify the company name and database name.

### Caution

Before setting values in the *License* and *Local Settings* fields, note the following:

- If the license file is not installed yet, the License field is empty and disabled, and in the Local Settings field you can select any of the localizations supported by SAP Business One.
  - If the license file to be installed is country-specific, and the trial company has a different localization than that of the license file, the user cannot access the trial company once the trial period expires.
  - If the license file to be installed is country-specific, and the trial company has the same localization as that of the license file, the trial company can become a regular company once the license file is installed.
  - If the license file to be installed is a global license, once it is installed, the trial company (regardless of its localization) can become a regular company.

- 
- o If the license file is installed, the license information indicating the country is displayed in the *License* field:
    - o If the license is country-specific that country is displayed in the *Local Settings* field and determines the localization of the trial company (you cannot change it).
    - o If the license is global, you can select any of the localizations supported by SAP Business One in the *Local Settings* field.
- If more than one license file is installed on the same license server, select the required license in the *License* field. Once you select the required license, the behavior is the same as described above.
6. Set the required values in the *License* and *Local Settings* fields, select a chart of accounts and a base language, and specify a posting period.

**i** Note

If you have not imported the license file yet, the *License* field displays the following value: Trial Version.

7. Choose the *OK* pushbutton.

---

# End User License Agreement (EULA)

As of SAP Business One 8.8, the End User License Agreement (EULA) that used to be signed by the customers at the same time as signing the contract is embedded in the application. EULA is considered to be part of the license and therefore it is mandatory to accept it to enable SAP Business One 8.8.

## Note

The EULA must also be signed for trial versions.

Each SAP Business One company is subject to EULA. Companies who have more than one company database must accept EULA for each company database. The EULA window appears at the first logon to the SAP Business One company after an installation or upgrade took place.

## Signing the EULA for the First Time

1. Activate the SAP Business One application, and log on to the required SAP Business One Company. The *SAP Business One End User License Agreement* window appears.
2. In the *Name* and *Job Title* fields, specify your name and position. These details are recorded in the database once you sign the form.

## Note

The person who fills out this form must have the authority to perform this action on behalf of the company.

3. Read the EULA details carefully, and select the checkbox below the *Job Title* field.
4. To indicate your acceptance, choose the *I Accept* pushbutton.

## Note

The *I Accept* pushbutton is enabled after you have specified the name and job title, and selected the checkbox.

## Result

The details of the EULA acceptance are recorded in the database. To display the EULA details choose *Help* → *About SAP Business One*. Available under *Administration* → *License* → *End User License Agreement*.

## Reviewing the EULA Acceptance Details

Every instance of EULA acceptance is recorded and saved in the company database. Super users can view the details in *Administration* → *License* → *End User License Agreement*.

The figure below shows the *End User License Agreement* window:

#	Install #	Licensor	Licensee	EULA Type	Name	Job Title	Date	Authority	L
2	SAP-INTERN	0001	SAP-INTERN	Productive	Hannah West	CEO	16/08/20	Yes	m
1	SAP-INTERN	0001	SAP-INTERN	Productive	Eleanor Teuten	Knowledge Ar	10/06/20	Yes	m

The following table explains the fields in the End User License Agreement:

Field	Description
#	The sequential number of the EULA acceptance instance. By default this column is sorted in descending order, so the latest instance appears first. To view the EULA document related to this instance, click the 📄 icon.
Install #	The installation number of SAP Business One as it appears in the <i>Installation Number</i> field, in the <i>About SAP Business One</i> window.
Licensor	SAP AG or the local SAP subsidiary who granted the license.
Licensee	The SAP Business One customer who purchased the license.
EULA Type	Indicates whether the EULA is for a productive system or a trial version.
Name, Job Title	The details of the signee, as entered in the <i>Name</i> and <i>Job Title</i> fields in the <i>SAP Business One End User License Agreement</i> window.
Date	The date on which the EULA was accepted.
Authority	Indicates the status of the checkbox in the <i>SAP Business One End User License Agreement</i> window. The value Yes indicates that the checkbox has been selected.
User Name	The SAP Business One user who accepted EULA.





---

# SAP Business One Software Development Kit

The SAP Business One Software Development Kit (SDK) is a development toolkit that allows programmers to interface third-party applications with SAP Business One at the database level, and at the user interface level. The development tools consist of tools and interfaces that allow you to access SAP Business One from third-party applications and vice versa.

Each SAP Business One Software Development Kit license allows rights of use for a maximum of 20 SDK programmers working at the same time.

The SAP Business One Software Development Kit cannot be licensed in combination with an SAP Business One Starter package.

---

# License Key Request

## Requesting License Keys

You can request a license key and the associated number of users that you need for your installed partner solution(s) by selecting the solution(s) in the SAP Channel Partner Portal. The total number of users that you request for partner solutions must not exceed the number of users you have contractually licensed for add-on access.

### Caution


SAP issues a time-limited license key (two weeks or to the contract end date) when your license key request exceeds the license you have purchased by:

- o The number of users
- o Your contract end date
- o Modules for which you have not bought a license

## Prerequisites

You have contractually licensed the components for which you want to request a license key. You have authorization to request license keys on SAP Service Marketplace. For more information, see SAP Note [578256](#).

## Procedure

1. Obtain the installation hardware key, as follows:
  1. In the Windows task bar, click the  icon.
  2. In the *SAP Business One Service Manager* window, select *License Manager* as the service, and make sure that the service is running. Note that the *Start* pushbutton is disabled when the *Stop* pushbutton is active.
  3. Choose *Settings*, and make a note of the number in the *Hardware Key* field.Alternatively, from the SAP Business One *Main Menu*, choose *Help → About SAP Business One* and obtain the hardware key from the *Hardware Key* field.
2. Go to <http://sappartneredge.com/B1/licensekeys> in **sappartneredge.com**. Choose *Request License Key* and select your installation number. For existing systems, choose *Change System Details* next to the system you want to change, and modify the required data. For new installations, choose *Request New System* and enter the necessary information to complete the request. For example, hardware key (see step 1), system type, database type, operating system, number of users per component/add-on, and e-mail address.
3. To post your request, choose *Submit*.

---

## Result

You will receive your license key file by e-mail.

Note that you can also go to <http://sappartneredge.com/B1/licensekeys> in **sappartneredge.com**, and download the license key file.

## Returning Unused Licenses

You can return SAP licenses that are no longer in use by posting a request in **sappartneredge.com**.

### Note

Returning licenses does not reduce the number of contracted users. However, it does free licenses for use by different installations, possibly in a different location. The number of contracted users is the basis for the maintenance contract.

## Procedure

1. Go to <http://sappartneredge.com/B1/licensekeys> in **sappartneredge.com**.
2. Choose the *Request License Key* pushbutton and the corresponding installation number.
3. Click the icon next to the system you want to change.
4. In the following window, modify the number of users in the appropriate field.
5. To post your request, choose *Submit*. You receive a new license key file from SAP.
6. Install the new license key file.

For information about how to install a license key, see the SAP Business One *Administrator's Guide*.

## Reassigning Users

You can reassign users to another computer, or to a new installation number.

### Note

In any reassignment of users, the number of users may not exceed the number of your licensed users.

## Procedure

1. Shut down the existing SAP Business One system under the old installation number. For more information, see SAP Note [614911](#).

- 
2. To request a license key for the new installation number, go to <http://sappartneredge.com/B1/licensekeys> in **sappartneredge.com**.

SAP sends you a new license key by e-mail.

## Shutting Down an SAP Business One System

You can shut down an SAP Business One system that you no longer use. For more information, see SAP Note [614911](#).

## Installing License Keys

For information about installing license key files, see the SAP Business One *Administrator's Guide*.

---

## More Information

See <http://sappartneredge.com/B1/licensekeys> and <http://sappartneredge.com/B1/solutions>.

To access all relevant SAP Notes about SAP Business One license keys:

1. Go to [http://service.sap.com/sap/bc/bsp/spn/smb\\_searchnotes/smb\\_index.htm](http://service.sap.com/sap/bc/bsp/spn/smb_searchnotes/smb_index.htm).
2. In the Application Area field, navigate to component SBO-BC-LIKEY by drilling down in *SAP Business One SBO*.
3. Review the list of relevant and up-to-date SAP Notes relating to SAP Business One license keys:
  - o Requesting a License Key for SAP Business One – [578256](#)
  - o Validity of the SAP Business One License Key – [765296](#)
  - o How to Order a Global License for SAP Business One 8.8 – [1487586](#)
  - o Deleting SAP Business One systems – [614911](#)
  - o Number of Licenses Assigned to Users Exceeded the Quantity Available – [776869](#)

## intercompany integration solution for SAP Business One

The integration solution is licensed as an extra product option to the standard SAP Business One user license. All contracted users (except the add-on access user, and indirect access user) must have this extra license as well as the normal user license.

## SAP Business One analytics, powered by SAP HANA

The SAP Business One analytics, powered by SAP HANA solution is licensed as an extra product option to the standard SAP Business One user license. All contracted users (except the add-on access user, and the indirect access user) must have this extra license as well as the normal user license.

## SAP Business One for iPhone and iPad

The SAP Business One mobile application for the iPhone and iPad is included in the normal SAP Business One user license. The actual functionality released to a specific user depends upon the particular user license held by the user (aligned with the functionality available in the standard SAP Business One client).

---

# Frequently Asked Questions

- **How do I receive the license key from SAP?**

The license key is sent to you in an e-mail message. Once you have received the license file, copy it to your computer and restart SAP Business One. When the license query appears, add the license file to it. You can also download the license key from the SAP Channel Partner Portal at <http://channel.sap.com/sbo/licensekeys>. For more information, see SAP Note [578256](#).

Note that customers can request license keys and S-User permissions at [License Keys and Requests](#).

- **How can I change the file extension of the file attached to the mail from .txt to .lic?**

You must save the file locally on your computer before you change the extension. You must not change the content of the file.

- **Why is my license key only temporary?**

If you request a license key for more users than you have licensed, or for non-licensed components, or your contract or hardware data are limited, you receive a license key that expires after 14 days. Request a license key with fewer users or contact your local SAP contracts department. For more information, see SAP Note [765296](#).

- **How can I delete an SAP Business One license key, even when the S-user is unknown?**

For information about deleting SAP Business One license keys, see SAP Note [614911](#). For information about deleting SAP Business One license keys when the S-user is unknown, see SAP Note [781853](#).

For information about recovering your password, see [Forgot Password](#).

- **What are the prerequisites for requesting a license key for partner solutions?**

Indirect Access authorizations must be ordered in your contract, either as separate licenses, or as part of the professional or limited or CRM user types. For more information, see [SAP Business One User Licenses](#).

- **What should I do when, after installing the license key, I receive the error message "This form is not a part of your software package"?**

Check the following:

1. The licenses have been assigned to users. For more information, see License Administration in the SAP Business One online help.
2. The user **did not** log on in the same domain as the license server.
3. The date and time of the machine are **the same** as the date and time on the license machine.
4. The user is known on the license machine.
5. If there is a firewall on the license machine, consult your network administrator to find out what type of authentication your network requires.

- **Can SAP Business One add-ons be used free of charge?**

Licensed SAP Business One users can use SAP Business One add-ons free of charge as no additional license is required. This is covered by the SAP Business One license fee.



[www.sap.com/contactsap](http://www.sap.com/contactsap)

**Material Number**

© 2012 SAP AG. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors.

Microsoft, Windows, Excel, Outlook, and PowerPoint are registered trademarks of Microsoft Corporation.

IBM, DB2, DB2 Universal Database, System ads, System i5, System p, System p5, System x, System z, System z10, System z9, z10, z9, iSeries, pSeries, xSeries, zSeries, eServer, z/VM, z/OS, i5/OS, S/390, OS/390, OS/400, AS/400, S/390 Parallel Enterprise Server, PowerVM, Power Architecture, POWER6+, POWER6, POWER5+, POWER5, POWER, OpenPower, PowerPC, BatchPipes, BladeCenter, System Storage, GPFS, HACMP, RETAIN, DB2 Connect, RACF, Redbooks, OS/2, Parallel Sysplex, MVS/ESA, AIX, Intelligent Miner, WebSphere, Netfinity, Tivoli and Informix are trademarks or registered trademarks of IBM Corporation.

Linux is the registered trademark of Linus Torvalds in the U.S. and other countries.

Adobe, the Adobe logo, Acrobat, PostScript, and Reader are either trademarks or registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Oracle is a registered trademark of Oracle Corporation.

UNIX, X/Open, OSF/1, and Motif are registered trademarks of the Open Group.

Citrix, ICA, Program Neighborhood, MetaFrame, WinFrame, VideoFrame, and MultiWin are trademarks or registered trademarks of Citrix Systems, Inc.

HTML, XML, XHTML and W3C are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.

Java is a registered trademark of Sun Microsystems, Inc.

JavaScript is a registered trademark of Sun Microsystems, Inc., used under license for technology invented and implemented by Netscape.

SAP, R/3, xApps, xApp, SAP NetWeaver, Duet, PartnerEdge, ByDesign, SAP Business ByDesign, and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and in several other countries all over the world. All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.