

DISCOVERY SYSTEM CONNECTIVITY

HOW TO BUILD AN R/3 TRANSPORT PATH BETWEEN THE DS AND ANOTHER SAP SYSTEM



Introduction

Discovery System

SAP Discovery system (DS) is a complete learning and testing environment designed to offer customers and partners the opportunity to test-drive and experience the power of enterprise SOA in a familiar landscape.

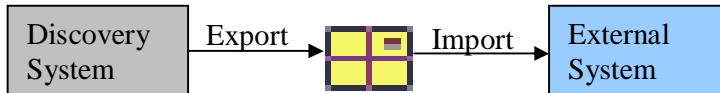
While the Discovery system is a “self contained” environment, in some cases, the need to connect the DS with additional systems in the landscape is required. This document is part of a series of documents describing different aspects of the DS connectivity to the “outside world.”

Use Case Description

This document describes the configuration steps for building R/3 transport paths between DS and another SAP system and as an example the transport of R/3 customized transactions from DS to the external SAP system. This use case is mainly for transporting a proof of concept that was developed on the DS to official “Dev/Test/Prod” systems.

Example

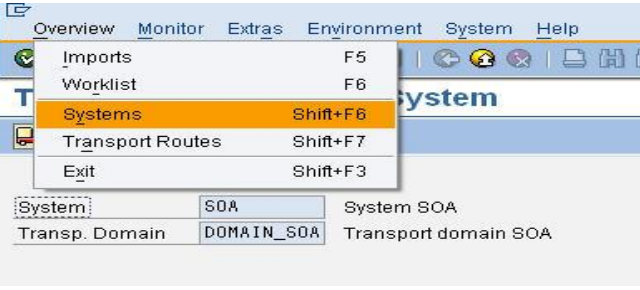
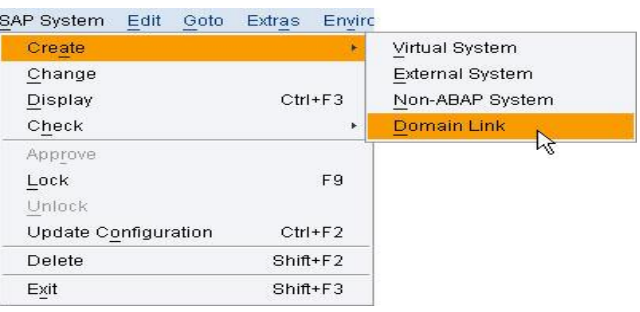
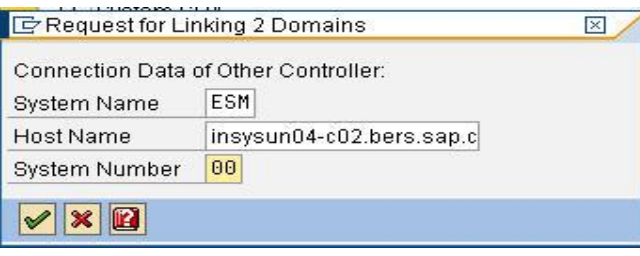
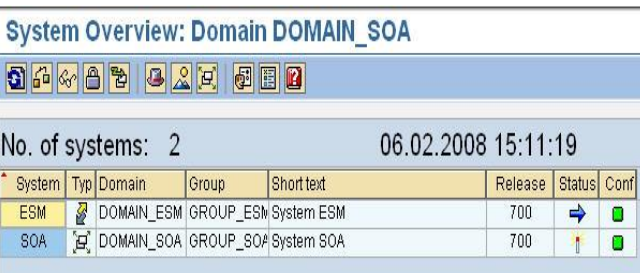
- Transport customization data from the DS to external SAP system



Domain Link Between Two SAP Systems

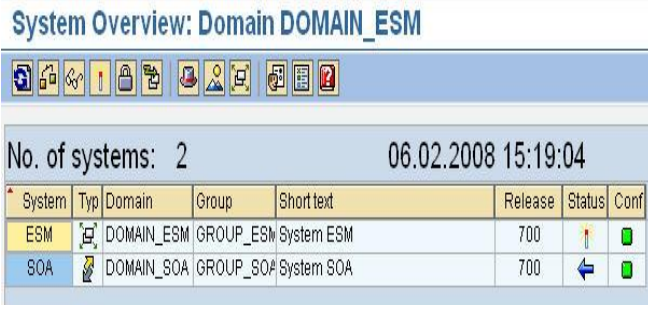

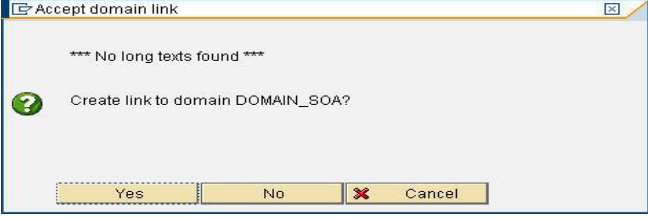
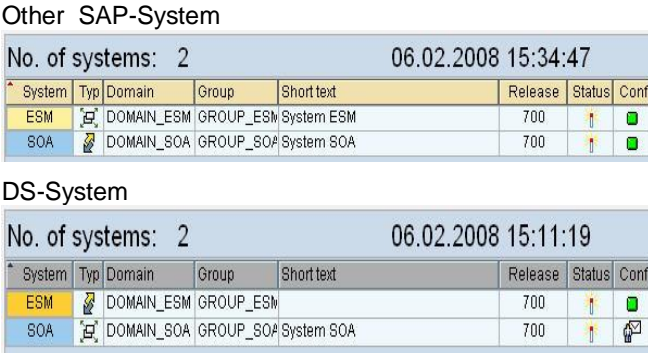
Create Domain Link on the DS

On the DS you have to do the following steps:

Call transaction <i>STMS</i>																									
Go to <i>Overview -> Systems</i>	 <p>The screenshot shows the SAP STMS Overview menu with the 'Systems' option selected. The menu items and their shortcuts are: Imports (F5), Worklist (F6), Systems (Shift+F6), Transport Routes (Shift+F7), and Exit (Shift+F3). Below the menu, the system details for 'System SOA' are shown: System SOA and Transport domain SOA.</p>																								
Go to <i>SAP Systems -> Create -> Domain Link</i>	 <p>The screenshot shows the SAP Systems Create menu. The 'Domain Link' option is highlighted. Other options include Virtual System, External System, Non-ABAP System, Approve, Lock (F9), Unlock, Update Configuration (Ctrl+F2), Delete (Shift+F2), and Exit (Shift+F3).</p>																								
Fill out the fields	 <p>The screenshot shows the 'Request for Linking 2 Domains' dialog box. The fields are filled with: System Name: ESM, Host Name: insysun04-c02.bers.sap.c, and System Number: 00. There are check, cancel, and help icons at the bottom.</p>																								
Now you can see the request for domain link in system overview	 <p>The screenshot shows the 'System Overview: Domain DOMAIN_SOA' window. It displays the number of systems (2) and the date/time (06.02.2008 15:11:19). Below is a table of systems:</p> <table border="1" data-bbox="646 1556 1282 1654"> <thead> <tr> <th>System</th> <th>Typ</th> <th>Domain</th> <th>Group</th> <th>Shorttext</th> <th>Release</th> <th>Status</th> <th>Conf</th> </tr> </thead> <tbody> <tr> <td>ESM</td> <td></td> <td>DOMAIN_ESM</td> <td>GROUP_ESM</td> <td>System ESM</td> <td>700</td> <td>➔</td> <td>🟢</td> </tr> <tr> <td>SOA</td> <td></td> <td>DOMAIN_SOA</td> <td>GROUP_SOA</td> <td>System SOA</td> <td>700</td> <td>🔧</td> <td>🟢</td> </tr> </tbody> </table>	System	Typ	Domain	Group	Shorttext	Release	Status	Conf	ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700	➔	🟢	SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700	🔧	🟢
System	Typ	Domain	Group	Shorttext	Release	Status	Conf																		
ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700	➔	🟢																		
SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700	🔧	🟢																		

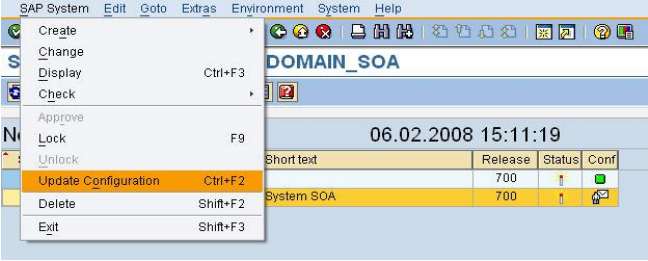
Confirm Domain Link on the Other SAP System

On the other system you have to do the following steps:

<p>Call transaction <i>STMS</i></p>																																																	
<p>Go to <i>Overview -> Systems</i></p>	 <table border="1" data-bbox="643 583 1287 688"> <thead> <tr> <th>System</th> <th>Typ</th> <th>Domain</th> <th>Group</th> <th>Short text</th> <th>Release</th> <th>Status</th> <th>Conf</th> </tr> </thead> <tbody> <tr> <td>ESM</td> <td></td> <td>DOMAIN_ESM</td> <td>GROUP_ESM</td> <td>System ESM</td> <td>700</td> <td></td> <td></td> </tr> <tr> <td>SOA</td> <td></td> <td>DOMAIN_SOA</td> <td>GROUP_SOA</td> <td>System SOA</td> <td>700</td> <td></td> <td></td> </tr> </tbody> </table>	System	Typ	Domain	Group	Short text	Release	Status	Conf	ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700			SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700																										
System	Typ	Domain	Group	Short text	Release	Status	Conf																																										
ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700																																												
SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700																																												
<p>Mark the new domain link request and click <i>SAP System -> Approve</i></p>																																																	
<p>Confirm the prompt</p>																																																	
<p>Now the other SAP system is configured, but the DS has old information.</p>	 <p>Other SAP-System</p> <p>No. of systems: 2 06.02.2008 15:34:47</p> <table border="1" data-bbox="643 1423 1287 1507"> <thead> <tr> <th>System</th> <th>Typ</th> <th>Domain</th> <th>Group</th> <th>Short text</th> <th>Release</th> <th>Status</th> <th>Conf</th> </tr> </thead> <tbody> <tr> <td>ESM</td> <td></td> <td>DOMAIN_ESM</td> <td>GROUP_ESM</td> <td>System ESM</td> <td>700</td> <td></td> <td></td> </tr> <tr> <td>SOA</td> <td></td> <td>DOMAIN_SOA</td> <td>GROUP_SOA</td> <td>System SOA</td> <td>700</td> <td></td> <td></td> </tr> </tbody> </table> <p>DS-System</p> <p>No. of systems: 2 06.02.2008 15:11:19</p> <table border="1" data-bbox="643 1602 1287 1686"> <thead> <tr> <th>System</th> <th>Typ</th> <th>Domain</th> <th>Group</th> <th>Short text</th> <th>Release</th> <th>Status</th> <th>Conf</th> </tr> </thead> <tbody> <tr> <td>ESM</td> <td></td> <td>DOMAIN_ESM</td> <td>GROUP_ESM</td> <td>System ESM</td> <td>700</td> <td></td> <td></td> </tr> <tr> <td>SOA</td> <td></td> <td>DOMAIN_SOA</td> <td>GROUP_SOA</td> <td>System SOA</td> <td>700</td> <td></td> <td></td> </tr> </tbody> </table>	System	Typ	Domain	Group	Short text	Release	Status	Conf	ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700			SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700			System	Typ	Domain	Group	Short text	Release	Status	Conf	ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700			SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700		
System	Typ	Domain	Group	Short text	Release	Status	Conf																																										
ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700																																												
SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700																																												
System	Typ	Domain	Group	Short text	Release	Status	Conf																																										
ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700																																												
SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700																																												

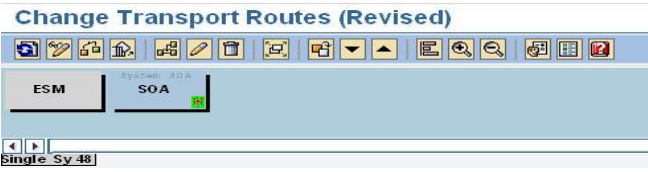
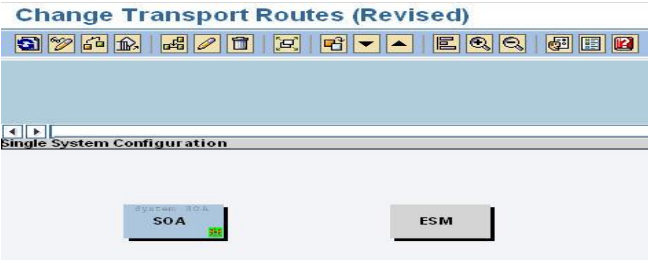
Update the Information on the DS

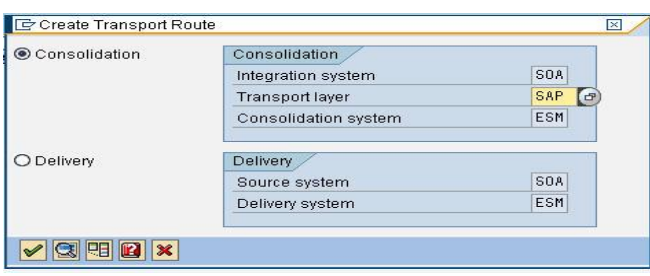
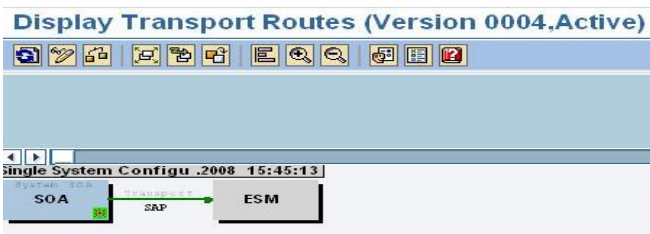
On the DS you have to do the following steps:

<p>Call transaction <i>STMS</i> Go to <i>Overview -> Systems</i></p>																																																	
<p>Mark the DS (SOA) in system overview and click <i>SAP System -> Update Configuration</i></p>																																																	
<p>You have created a domain link between two transport domains. You can now see all systems in both domains in the system overview and the import overview.</p>	<p>Other SAP-System No. of systems: 2 06.02.2008 15:34:47</p> <table border="1"> <thead> <tr> <th>System</th> <th>Typ</th> <th>Domain</th> <th>Group</th> <th>Short text</th> <th>Release</th> <th>Status</th> <th>Conf</th> </tr> </thead> <tbody> <tr> <td>ESM</td> <td></td> <td>DOMAIN_ESM</td> <td>GROUP_ESM</td> <td>System ESM</td> <td>700</td> <td>↑</td> <td>☑</td> </tr> <tr> <td>SOA</td> <td></td> <td>DOMAIN_SOA</td> <td>GROUP_SOA</td> <td>System SOA</td> <td>700</td> <td>↑</td> <td>☑</td> </tr> </tbody> </table> <p>DS No. of systems: 2 06.02.2008 15:11:19</p> <table border="1"> <thead> <tr> <th>System</th> <th>Typ</th> <th>Domain</th> <th>Group</th> <th>Short text</th> <th>Release</th> <th>Status</th> <th>Conf</th> </tr> </thead> <tbody> <tr> <td>ESM</td> <td></td> <td>DOMAIN_ESM</td> <td>GROUP_ESM</td> <td>System ESM</td> <td>700</td> <td>↑</td> <td>☑</td> </tr> <tr> <td>SOA</td> <td></td> <td>DOMAIN_SOA</td> <td>GROUP_SOA</td> <td>System SOA</td> <td>700</td> <td>↑</td> <td>☑</td> </tr> </tbody> </table>	System	Typ	Domain	Group	Short text	Release	Status	Conf	ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700	↑	☑	SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700	↑	☑	System	Typ	Domain	Group	Short text	Release	Status	Conf	ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700	↑	☑	SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700	↑	☑
System	Typ	Domain	Group	Short text	Release	Status	Conf																																										
ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700	↑	☑																																										
SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700	↑	☑																																										
System	Typ	Domain	Group	Short text	Release	Status	Conf																																										
ESM		DOMAIN_ESM	GROUP_ESM	System ESM	700	↑	☑																																										
SOA		DOMAIN_SOA	GROUP_SOA	System SOA	700	↑	☑																																										

Create a Transport Route on the DS

On the DS you have to do the following steps:

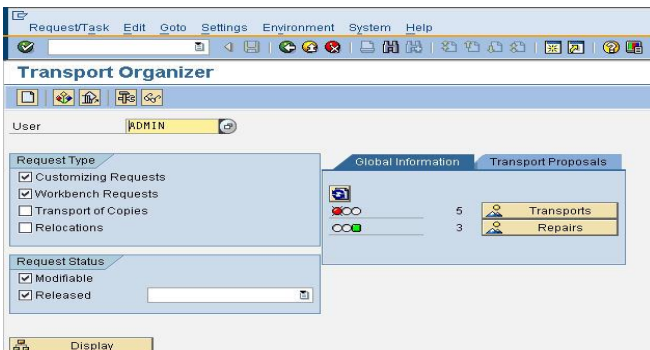

<p>Call transaction <i>STMS</i> Go to <i>Overview -> Transport Routes</i></p>	
<p>Click at the systems you need and place them on the configuration area.</p>	

<p>Go to <i>Edit -> Transport Route -> Add Transport Route</i> and add the <i>Transport layer SAP</i></p>	
<p>Save your changes. You can now make transports from the DS to the other SAP systems.</p>	

Transport Between Two SAP Systems

Transport R/3 Customized Transactions from the DS to the Other SAP Systems

On the DS you have to do the following steps:

<p>Create Workbench Request on DS</p>	
<p>Call transaction <i>SE09</i></p>	
<p>Go to <i>Request/Task -> Create</i> Choose <i>Workbench request</i></p>	

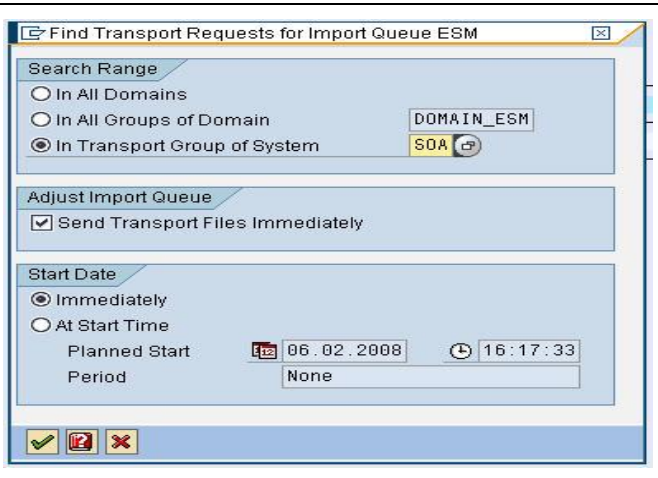
<p>Fill out the required fields and set <i>Target</i> to the external system</p>	
<p>The request was created</p>	
<p>Make your changes and choose the request</p>	

<p>Release Workbench Request on DS</p>	
<p>Call transaction <i>SE09</i> Click on the <i>Display</i> button</p>	

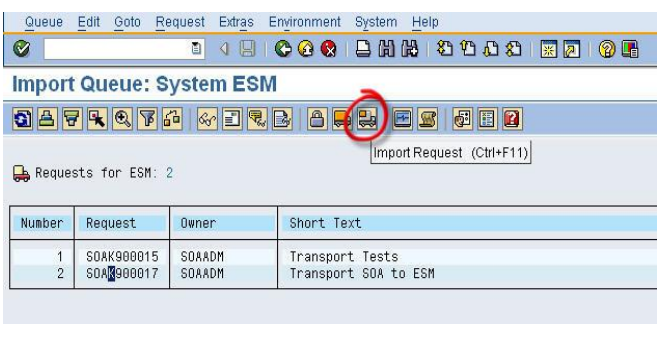
<p>Mark the request and <i>Release Directly</i></p>	
<p>The request is released/exported and ready for import in external system</p>	

<p>Import workbench request on external system</p>							
<p>Call transaction <i>STMS</i> Click on the <i>Import Overview</i> button and double click the external system queue (ESM)</p>	<table border="1"> <thead> <tr> <th>Queue</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>ESM</td> <td>System ESM</td> </tr> <tr> <td>SOA</td> <td>System SOA</td> </tr> </tbody> </table>	Queue	Description	ESM	System ESM	SOA	System SOA
Queue	Description						
ESM	System ESM						
SOA	System SOA						
<p>Go to <i>Extras -> Other Requests -> Find in Other Groups</i></p>							

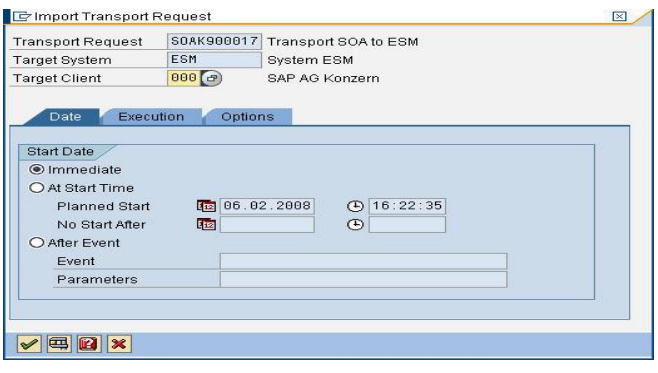
Mark *In Transport Group of System* and choose the SID from the DS from list



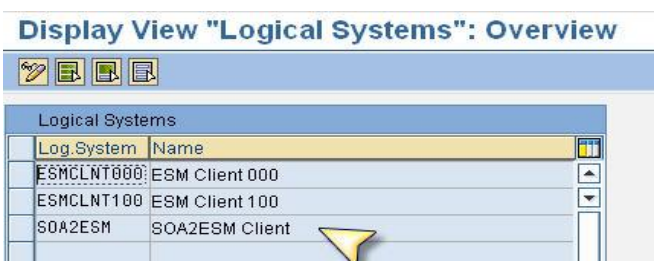
The requests are listed, mark the right one and import it



Choose the *Target Client* and *Continue*



As result the changes are transported successfully in the external system.



Copyright

© Copyright 2008 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®, NT®, EXCEL®, Word®, PowerPoint® and SQL Server® are registered trademarks of Microsoft Corporation.

IBM®, DB2®, DB2 Universal Database, OS/2®, Parallel Sysplex®, MVS/ESA, AIX®, S/390®, AS/400®, OS/390®, OS/400®, iSeries, pSeries, xSeries, zSeries, z/OS, AFP, Intelligent Miner, WebSphere®, Netfinity®, Tivoli®, Informix and Informix® Dynamic Server™ are trademarks of IBM Corporation in USA 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®, the Citrix logo, ICA®, Program Neighborhood®, MetaFrame®, WinFrame®, VideoFrame®, MultiWin® and other Citrix product names referenced herein are trademarks of Citrix Systems, Inc.

HTML, DHTML, XML, XHTML 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.

MarketSet and Enterprise Buyer are jointly owned trademarks of SAP AG and Commerce One.

SAP, R/3, mySAP, mySAP.com, xApps, xApp, 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 information purposes only. National product specifications may vary.