ORACLE
INSURANCE

Oracle® Documaker

Upgrade Guide for Documanage Bridge

version 3.0

Part number: E14904-01

June 2009

Copyright © 2009, Oracle. All rights reserved.

The Programs (which include both the software and documentation) contain proprietary information; they are provided under a license agreement containing restrictions on use and disclosure and are also protected by copyright, patent, and other intellectual and industrial property laws. Reverse engineering, disassembly, or decompilation of the Programs, except to the extent required to obtain interoperability with other independently created software or as specified by law, is prohibited.

The information contained in this document is subject to change without notice. If you find any problems in the documentation, please report them to us in writing. This document is not warranted to be error-free. Except as may be expressly permitted in your license agreement for these Programs, no part of these Programs may be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose.

If the Programs are delivered to the United States Government or anyone licensing or using the Programs on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS

Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the Programs, including documentation and technical data, shall be subject to the licensing restrictions set forth in the applicable Oracle license agreement, and, to the extent applicable, the additional rights set forth in FAR 52.227-19, Commercial Computer Software--Restricted Rights (June 1987). Oracle USA, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

The Programs are not intended for use in any nuclear, aviation, mass transit, medical, or other inherently dangerous applications. It shall be the licensee's responsibility to take all appropriate fail-safe, backup, redundancy and other measures to ensure the safe use of such applications if the Programs are used for such purposes, and we disclaim liability for any damages caused by such use of the Programs.

The Programs may provide links to Web sites and access to content, products, and services from third parties. Oracle is not responsible for the availability of, or any content provided on, third-party Web sites. You bear all risks associated with the use of such content. If you choose to purchase any products or services from a third party, the relationship is directly between you and the third party. Oracle is not responsible for: (a) the quality of third-party products or services; or (b) fulfilling any of the terms of the agreement with the third party, including delivery of products or services and warranty obligations related to purchased products or services. Oracle is not responsible for any loss or damage of any sort that you may incur from dealing with any third party.

Oracle, JD Edwards, and PeopleSoft are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

THIRD PARTY SOFTWARE NOTICES

This product includes software developed by Apache Software Foundation (http://www.apache.org/).
THIS SOFTWARE IS PROVIDED "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE AUTHOR OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 2000-2009 The Apache Software Foundation. All rights reserved.

This product includes software distributed via the Berkeley Software Distribution (BSD) and licensed for binary distribution under the Generic BSD license.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS ``AS IS'' AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 2009, Berkeley Software Distribution (BSD)

This product includes software developed by Jean-loup Gailly and Mark Adler. This software is provided 'as-is', without any express or implied warranty. In no event will the authors be held liable for any damages arising from the use of this software.

Copyright (c) 1995-2004 Jean-loup Gailly and Mark Adler

This product includes software developed by the Massachusetts Institute of Technology (MIT).
THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright © 2009 MIT

This software is based in part on the work of the Independent JPEG Group (http://www.ijg.org/).

This product includes software developed by Sam Leffler of Silicon Graphics.
THE SOFTWARE IS PROVIDED "AS-IS" AND WITHOUT WARRANTY OF ANY KIND, EXPRESS, IMPLIED OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.
IN NO EVENT SHALL SAM LEFFLER OR SILICON GRAPHICS BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT OR CONSEQUENTIAL DAMAGES OF ANY KIND, OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER OR NOT ADVISED OF THE POSSIBILITY OF DAMAGE, AND ON ANY THEORY OF LIABILITY, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE

Copyright (c) 1988-1997 Sam Leffler
Copyright (c) 1991-1997 Silicon Graphics, Inc.

This product includes software components distributed by Steve Souza.

THIS SOFTWARE IS PROVIDED BY THE AUTHOR AND CONTRIBUTORS "AS IS'" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 2002, Steve Souza (admin@jamonapi.com). All Rights Reserved.

This product includes software components distributed via the Berkeley Software Distribution (BSD).

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS'" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 2000-2006 www.hamcrest.org. All Rights Reserved.

This product includes software components developed by the Independent JPEG Group and licensed for binary distribution under the Independent JPEG Group license.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS'" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 1994-1998 AIIM International. All Rights Reserved.

This product includes software components developed by Sam Stephenson.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2005-2007 Sam Stephenson

This product includes software components developed by Sun Microsystems.

Copyright (c) 1995-2008 Sun Microsystems, Inc. All rights reserved.

This product includes software components distributed by Vbnet and Randy Birch.

Copyright © 1996-2008 Vbnet and Randy Birch. All Rights Reserved

---

This product includes software components distributed by the Internet Software Consortium and IBM.

THE SOFTWARE IS PROVIDED "AS IS" AND INTERNET SOFTWARE CONSORTIUM DISCLAIMS ALL WARRANTIES WITH REGARD TO THIS SOFTWARE INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS. IN NO EVENT SHALL INTERNET SOFTWARE CONSORTIUM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER RESULTING FROM LOSS OF USE, DATA OR PROFITS, WHETHER IN AN ACTION OF CONTRACT, NEGLIGENCE OR OTHER TORTIOUS ACTION, ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE.

Copyright (c) 1996 by Internet Software Consortium.

THE SOFTWARE IS PROVIDED "AS IS", AND IBM DISCLAIMS ALL WARRANTIES, INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL IBM BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, OR CONSEQUENTIAL DAMAGES OR ANY DAMAGES WHATSOEVER ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THIS SOFTWARE, EVEN IF IBM IS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES.

Portions Copyright (c) 1995 by International Business Machines, Inc.

This product includes software components distributed by RSA.

RSA Data Security, Inc. makes no representations concerning either the merchantability of this software or the suitability of this software for any particular purpose. It is provided "as is" without express or implied warranty of any kind.

Copyright © 1991-2, RSA Data Security, Inc. Created 1991. All rights reserved.

This product includes software components distributed by Terence Parr.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (c) 2003-2007, Terence Parr. All rights reserved.

This product includes software components distributed by Computer Associates.

THIS SOFTWARE IS PROVIDED ``AS IS" AND ANY EXPRESSED OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE JDOM AUTHORS OR THE PROJECT CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright (C) 2002 Computer Associates. All rights reserved.

This product includes software components distributed by MetaStuff.

THE SOFTWARE IS PROVIDED BY METASTUFF, LTD. AND CONTRIBUTORS "AS-IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDINGBUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL METASTUFF, LTD. OR ITS CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS AND SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, ARISING IN ANY WAY OUT OF THE USE OF THE SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 2001-2005 Metastuff, Ltd. All Rights Reserved.

This product includes software components distributed by JSON.

The Software shall be used for Good, not Evil.

THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN THE SOFTWARE.

Copyright (c) 2002 JSON.org

This product includes software components distributed by OpenSSL (http://www.openssl.org/).

THIS SOFTWARE IS PROVIDED BY THE OPENSSL PROJECT "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE OPENSSL PROJECT BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA OR PROFITS; OR BUSINESS INTERRUPTION) HOWVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE

Copyright © 1998-2007 The OpenSSL Project. All rights reserved.

This product includes software components distributed by Yahoo! Inc.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS'" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE COPYRIGHT OWNER OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

Copyright © 2008 Yahoo! Inc. All Rights Reserved.

Contents

Overview

2 Capabilities

2 Discontinued Facilities

3 Changed Concepts

3 ReqTypes

3 URLs

4 The Client Implementation

4 Queries

4 SQL Builder

6 Security and Login

7 INI Files

8 Rules

Overview

Documanage Bridge version 3.x represents a very substantial upgrade to previous versions of the Bridge. Many new capabilities are available, and all of the capabilities you're familiar with have been re-implemented and extended. We hope you will find that Documanage Bridge 3 is much more powerful and flexible than earlier versions, and also simpler to use in many respects.

To upgrade to Documanage Bridge 3, you will need to substantially change your Documanage Bridge application. All of the rules, almost all of the INI options, and almost all of the names of attachment variables are different, and there are a number of new ways of doing things.

This guide is for Documanage Bridge application developers who have worked with Documanage Bridge 1.4 or Documanage Bridge 2.0. It alerts you to important areas that have changed, but it certainly doesn't cover everything in Documanage Bridge 3. You should familiarize yourself with the Documanage Bridge 3 documentation, starting with the General Reference, and with the Documanage Bridge 3 sample applications before attempting to upgrade to Documanage Bridge 3. If you have no experience with Documanage Bridges 1.4 or 2.0, you have no need for this Upgrade Guide. Proceed directly to the General Reference.

CAPABILITIES

Documanage Bridge version 3.x provides access to all of the Documanage features provided in earlier versions, plus Documanage features not previously available through the Documanage Bridge. These new areas include:

- Searching for Folders, Projects, Notes, or Diaries
- Retrieving and updating Document Annotations files
- Presenting the Properties of Folders, Projects, Notes, or Diaries
- Adding new Projects, Notes, or Diaries
- Updating Documents, Folders, Projects, Notes, or Diaries
- Updating Document contents files
- Deleting Documents, Folders, Projects, or Diaries
- Using Workflow, including managing Tasks, advancing Projects, and more

In addition to these new capabilities, Documanage Bridge 3 has been extended to new platforms. Both the server and client rules now run on Windows, Linux, AIX, and Solaris. Server rules or features of Server rules that use the Shuttle library are not available on non-Windows platforms. This is noted in the documentation where it applies.

Discontinued Facilities

Two facilities available in previous versions of the Documanage Bridge have been discontinued in Documanage Bridge 3 because it was found they received very little use. These are the remote debugging facility and the CGI tracker. These were for use in trouble-shooting and performance evaluation, and discontinuing them in no way diminishes the Documanage capabilities that can be accessed through Documanage Bridge 3.

CHANGED CONCEPTS

This section alerts you to some areas that are handled differently in Documanage Bridge 3 than in earlier versions of the Documanage Bridge. In addition to these changed concepts, Documanage Bridge 3 has some new concepts, such as Property Sets. Those are explained fully in the General Reference and the Rules Reference.

ReqTypes

Previous versions of Documanage Bridge had built-in required ReqTypes that had to be used for certain transactions. In Documanage Bridge 3, there are no built-in required ReqTypes, and you are completely free to formulate your own ReqTypes. However, you must configure some INI options to tell Documanage Bridge 3 what ReqTypes you've chosen for certain uses, such as reporting errors or redirecting to another transaction. See the description of the ReqTypes control group in "Configuring the Documanage Bridge", and the section "ReqTypes" in the Documanage Bridge General Reference for more information.

URLs

Previous versions of Documanage Bridge used URLs that were in a special format in which the order of the elements indicated their meaning. The Documanage Bridge constructed the URLs for you. For example, the following was the general form for the URL for returning a thumbnail image.

```
http://servername/scriptname
/po/cabinet/table/flevel/fid/docid/vers/page/T/name.ext
```

There was a special rule called POWProcessURL to interpret a URL like that shown above and to determine what built-in ReqType should be run.

Documanage Bridge 3 no longer uses any specialized URL schema, and does not have any rule like POWProcessURL. In Documanage Bridge 3, the Documanage Bridge application developer simply assembles the variables required for any particular ReqType into a standard request. For example, the following URL could be used in Documanage Bridge 3 to return a thumbnail image.

```
http://mydomain.com/doc-prog/dcltw32.exe
&ReqType=Thumb&CABINET=MyCab&DocID=52&DOC_VERS=1.0&Page=2&THUMBNAME
=/Mydoc_t3.jpg
```

Documanage Bridge 3 supplies some attachment variables, such as DOCSPEC, to make constructing URLs like the one shown here easy. These variables are explained more fully in "Attachment Variable Conventions" in the Documanage Bridge 3 Rules Reference.

For examples of constructing URLs for use with Documanage Bridge 3, see the examples for the rules DmgBrsPresentDocumentPage and DmgBrsQuery in the Documanage Bridge Rules Reference, and the sample Documanage Bridge applications.

The Client Implementation

Documanage Bridge 3 makes no assumptions about the language in which the IDS Client is implemented. It can be CGI, JSP, ASP, or any other suitable language. The variable GEN_USINGASP that earlier versions of the Documanage Bridge required is obsolete in Documanage Bridge 3, and the way URLs are formulated is the same for any client environment. If you are upgrading an ASP application, see the description of the attachment variable COOKIE_ DATE_FORMAT for the rule DmgBrsValidateSession and the associated INI option [ValidateSession] CookieDateFormat.

Queries

In previous versions of Documanage Bridge, the rule POWHandleQuery could be used to find a list of Documents meeting certain criteria. In Documanage Bridge 3, this capability is available through the rule DmgBrsQueryDocuments and has been expanded. DmgBrsQueryDocuments uses an improved SQL Builder facility, described below, provides more choices for formatting the output, and recognizes Full Text, Cabinet, and Extended Document Property filters.

In addition to DmgBrsQueryDocuments, Documanage Bridge 3 also has the very powerful rule DmgBrsQuery, which can be used to find Folders and their contents (Folders and Documents), or to navigate through the Folders and Documents in a Cabinet in much the same way that the Documanage Workstation does.

See the documentation for the rules DmgBrsQuery and DmgBrsQueryDocuments for more information.

SQL Builder

SQL Builder, the Documanage Bridge facility that builds SQL filters for you based on Properties and their values, has been expanded in Documanage Bridge 3. The "Does Not Equal" and "In" operators have been added, and all Property types are now supported. In addition to building filters for Extended Folder Properties and Basic Document Properties, SQL Builder will now build filters for Extended Document Properties and Basic Diary Properties, and it will build OrderBy clauses for Folders, Documents, and Diaries.

In addition to being expanded, SQL Builder has also been simplified. Instead of supplying the type and fully qualified database field name of a Property, you need supply only the name of the Property, and SQL Builder will automatically determine the type and fully qualified database field name.

The following table lists the OT_DOCS field names of Document Properties, required in earlier versions of the Documanage Bridge when building a Document filter, and their equivalent Property names in Documanage Bridge 3. Documanage Bridge 3 also supports some Document Properties in addition to those shown here. See "SQL Builder Syntax" in "Using the Documanage Bridge" for a complete description of SQL Builder in Documanage Bridge 3.

OT_DOCS Field Name	Bridge 3 Property Name
DocID	Id
Status	Status
RecordID	(not used in Documanage Bridge 3)
TableName	(not used in Documanage Bridge 3)
DocumentDate	Date
nVersion	MajorVersion
nSubVersion	MinorVersion
DueDate	DueDate
Type	FileType
Tag	Name
ObjectSubclass	SubCategory
ObjectClass	Category
Description	Description
Keyword1	Keyword1
Keyword2	Keyword2
UserFlag1	Flag1
UserFlag2	Flag2
AddedBy	Author
AddedFrom	AddedFrom
AddedOn	AddedOn
CheckedOutFor	CheckedOutFor
CheckedOutBy	CheckedOutBy
LastEditOn	LastEditedOn
LastEditBy	LastEditedBy
Volume	Volume

Security and Login

In previous versions of Documanage Bridge, the INI option [Security] UserLevelSecurity offered two choices: users' credentials could be authenticated with a login rule, or not.

In Documanage Bridge 3, the INI option [UserCredentials] Source offers the previous two choices, plus a third choice: the use of Trusted credentials. Choosing Trusted credentials allows "single sign on" through a web server or other source of authentication. See the INI option [UserCredentials] Source for more information.

The INI option [Security] AutoQueryOnLogin in previous versions of the Documanage Bridge offered two choices for the ReqType to which a user would be redirected after successful login: the built-in query ReqType, or the built-in welcome page ReqType. In Documanage Bridge 3, the Documanage Bridge application developer has complete freedom in determining where the user will be redirected after successful login. See the description of the rule DmgBrsLogin and of the INI option [ReqTypes] DestinationAfterLogin for more information.

In previous versions of Documanage Bridge, the rules POWInputSession, POWHandleSession, and POWOutputSession worked together to handle the Documanage Bridge cookie and security validation.

These three rules have been replaced in Documanage Bridge 3 with the single rule DmgBrsValidateSession. To turn off the use of cookies in Documanage Bridge 3, instead of removing the rules POWInputSession and POWOutputSession from your rules lists, simply configure the INI option [ValidateSession] UseCookies.

See "The Bridge Cookie" in "Creating a Bridge Application" in the General Reference and the description of the rules DmgBrcDumpFile and DmgBrsValidateSession in the rules reference for information on how to cause users to be logged out when they quit their browser in Documanage Bridge 3.

INI Files

The names of the INI files have changed in Documanage Bridge 3, and you will find that there are a great many more options that can be configured for the Documanage Bridge server. However, you will probably find that you can ignore most of the options because their default values are probably already suitable for use in your application.

In Documanage Bridge 3, a control group is often named after the rule it affects. For example, the options that affect the rule DmgBrsPresentProject are in a control group called [PresentProject].

See "Configuring the Documanage Bridge" in the General Reference for a complete listing of all of the INI options for Documanage Bridge 3.

RULES

Previous versions of Documanage Bridge included approximately 30 rules. Reflecting its expanded features, Documanage Bridge 3 has approximately 70 rules. See the Documanage Bridge 3 Rules Reference for a description of all of the rules in Documanage Bridge 3.

The table below lists rules from previous versions of Documanage Bridge and the rule (or rules) in Documanage Bridge 3, if any, to accomplish the same purpose.

Old Rule	New Rule or Rules
DBGEncodeDebugPage	None. Remote debugging is discontinued in Documanage Bridge 3.
DBGProcessURL	None. Remote debugging is discontinued in Documanage Bridge 3.
FPRConvDCZFPPToXML	DmgBrsReturnConvertedDocument
GUTDumpFile	DmgBrcDumpFile
GUTFailure	None.
GUTLogAttachments	DmgBruLogAttachments
GUTPurgeFiles	DmgBruPurgeFiles
GUTSetUIConfig	DmgBrsValidateSession, reverse run
GUTSwapAttachments	DmgBrsCopyAttachment
POWAccessDocument	DmgBrsPresentDocument
POWAccessPage	DmgBrsPresentDocumentPage DmgBrsReturnDocument DmgBrsReturnConvertedDocument DmgBrsReturnDocumentPage DmgBrsReturnThumbnail
POWCreateFolder	DmgBrsCreateFolder
POWDMgDiagnostics	DmgBrsRunDocumanageDiagnostic
POWEndCGITracker	None. CGITracker is discontinued in Documanage Bridge 3.
POWHandleLogin	DmgBrsLogin
POWHandleLogout	DmgBrsLogout
POWHandleQuery	DmgBrsQueryDocuments. See also DmgBrsQuery.
POWHandleSession	DmgBrsValidateSession
POWIdle	DmgBrsIdle
POWImportDocument	DmgBrsCreateDocument

Old Rule	New Rule or Rules
POWInit	DmgBrsInit
POWInputSession	DmgBrsValidateSession, forward run
POWOutputSession	DmgBrsValidateSession, reverse run
POWPostConversion	None. Functionality is handled by the reverse run of relevant rules: DmgBrsReturnDocument DmgBrsReturnConvertedDocument
POWProcessURL	None. Not needed in Documanage Bridge 3 because URLs are handled differently.
POWReceiveTempFile	DmgBrcReceiveTempFile
POWServerPaused	DmgBrsCheckPausedServer
POWSetupFolder	DmgBrsSetupFolder
POWStartCGITracker	None. CGITracker is discontinued in Documanage Bridge 3.
POWVersion	DmgBrcShowVersion DmgBrsShowVersions