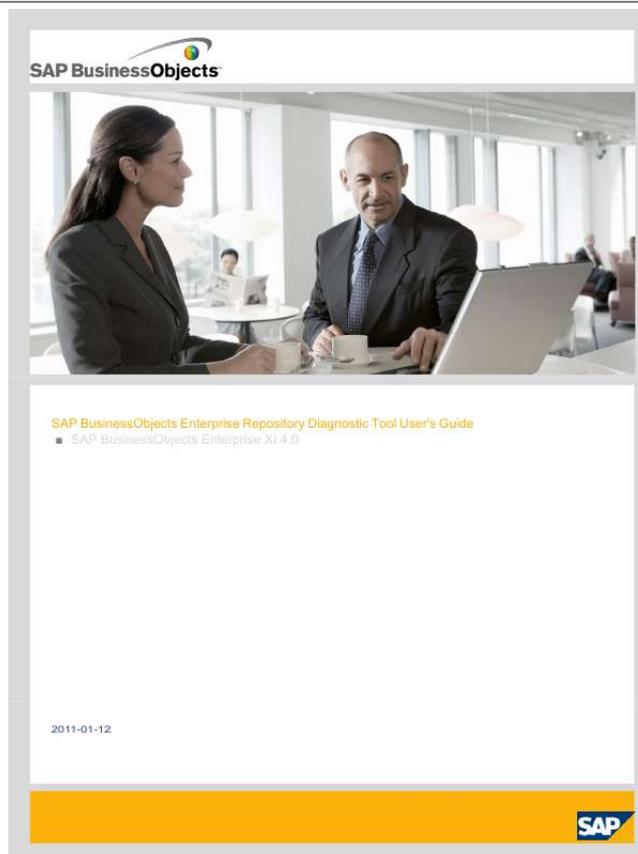




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It scans and repairs the inconsistencies identified in the CMS system database and FRS, and outputs the actions taken to a log file in XML format. 5 2011-01-12 Repository Diagnostic Tool 6 2011-01-12 Using the Repository Diagnostic Tool Using the Repository Diagnostic Tool The Repository Diagnostic Tool (RDT) is available on any machine with a Central Configuration Manager (CCM) installed on it. This command-line tool scans, diagnoses, and repairs inconsistencies that may occur between the Central Management Server (CMS) system database and the File Repository Servers (FRS) filestore, or inconsistencies that may occur in an InfoObject's metadata. Do not run the RDT against a live CMS database and FRS. Changes that your users make to the CMS or FRS while the RDT is running can create new inconsistencies in your deployment. Repair actions that the RDT takes while users are accessing your deployment can create further inconsistencies. Instead, it is recommended that you back up your CMS database and FRS filestore, and run the RDT against the backed-up version while your SAP BusinessObjects Enterprise services are down. The RDT does not require the CMS service to be running. The RDT runs directly against the CMS database. 2.1 To use the Repository Diagnostic Tool 1. If you

are running the tool on a Windows computer, open a command window and run the following command. <INSTALLDIR>\SAP BusinessObjects Enterprise XI 4.0\win64_x64\reposcan.exe <arguments>, where <arguments> is the list of parameters that you want to specify.

2. If you are running the tool on a UNIX computer, open a /usr/bin/sh compatible shell, and run the following command.

.<INSTALLDIR>/sap_bobj/enterprise_xi40/<platform>/boe_reposcan.sh <arguments> where <platform> is either "linux_x64", "solaris_sparcv9", "hpux_ia64", or "aix_rs6000_64", and <arguments> is the list of parameters that you want to specify. The Repository Diagnostic Tool scans your repository for inconsistencies. Depending on the parameters that you specify, it either diagnoses and logs inconsistencies, or it repairs inconsistencies and logs the action that it takes. Repo_Scan_yyyy_mm_dd_hh_mm_ss.xml lists the inconsistencies that the tool finds. If you had the tool repair the discrepancies that it finds, it also creates the file Repo_Repair_yyyy_mm_dd_hh_mm_ss.

xml. 7 2011-01-12 Using the Repository Diagnostic Tool The path to the log files can be specified by the outputdir parameter. If this parameter is not specified, the default directory for the log files is <INSTALLDIR>\SAP BusinessObjects Enterprise XI 4.0\reposcan on Windows, and .\sap_bobj/enterprise_xi40/reposcan on UNIX.

Note: The application also provides a default XSL file that is used with the XML file to produce an HTML page. The XSL file is stored in <INSTALLDIR>\SAP BusinessObjects Enterprise XI 4.0\reposcan on Windows, and .\sap_bobj/enterprisexi_40/reposcan on UNIX For a list of the warning messages and recommended actions that the RDT takes when it finds inconsistencies, see Inconsistencies in CMS metadata and Inconsistencies between the CMS and FRS . Related Topics · Inconsistencies in the CMS metadata · Inconsistencies between the CMS and the FRS 2.

2 Repository Diagnostic Tool Parameters The RDT accepts the parameters in the following table: Note: Command-line arguments override any parameter file entries while executing. Table 2-1: General Parameters Parameter Optional or Mandatory Description dbdriver Mandatory The type of driver used to connect to the CMS database. Accepted values are: · db2databasesubsystem · maxdbdatabasesubsystem · mysqldatabasesubsystem · oracledatabasesubsystem · sqlserverdatabasesubsystem · sybasedatabasesubsystem 8 2011-01-12 Using the Repository Diagnostic Tool Parameter Optional or Mandatory Description The connection details that are used to connect to the CMS database.



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connect Mandatory For example: -connect "UID=root;PWD=<pass word>;DSN=<dsn>;HOSTNAME=<host name>;PORT=<portnumber>" The file path of the Input File Repository Server. inputfrsdir Mandatory Note: The user account you are logged on with is used to execute the command-line tool. It must have full control to the file location. The file path of the Output File Repository Server. @@@@The number of approximate errors to scan. This helps ensure optimum performance. The upper count is 2e31 - 1.

A value of 0 is interpreted as the entire repository. The default value is 0. Tells the RDT to repair all inconsistencies it may find. @@@@Acceptable values are True and False. The default value is True. @@Acceptable values are True and False. The default value is True. @@If no value is provided, the RDT does not replace the invalid IDs. @@This parameter is only used when the RDT operates in repair mode. Specifies the object in the CMS database to start the scan for.

@@The default value is 1. Specifies the file path to a parameter file. @@@@Accepts whole, positive numbers. @@@@Acceptable values are True and False. The default value is False.

The ipv6 name of the machine that the RDT is running on. @@The ipv4 name of the machine that the RDT is running on. @@The number of threads to use. Accepts whole, positive numbers. @@@@The file name of the certificate.

The file name of the sig39's parent object is missing (Parent Object ID = <ID>). @@is missing (Owner Object ID = <ID>). @@@@Only the folder. @@" ID to the objects Owner ID. The recommendation that the RDT displays depends on whether you've provided a value for the -submitterid parameter. · If you provide this parameter, the recommendation is "Allow the application to update the object with the provided submitter ID". · If you don't provide this parameter, the recommendation is " Reschedule the object or submit a user ID to use to replace the invalid submitter ID". If you provide a value from the -submitterid parameter, the RDT applies the value for the object's submitter ID. If you don't provide a value for this parameter, the RDT takes no action. When you reschedule the object, the CMS applies a new ID.

<Object Type> Object The object's last "Allow the application to When you reschedule the '<Object Name>' (Object successful instance recalculate the property." object, the CMS automatically recalculates the ID. ID: <ID>)'s last success- is missing or invalid. ful instance property refers to a missing object (Object ID = <ID>). 16 2011-01-12 Inconsistencies in the CMS metadata Warning Message Inconsistency Recommendation Action <Object Type> Object The object refer'<Object Name>' (Ob- ences a calendar ject ID: <ID>)'s calendar that doesn't exist. object is missing (Calendar ID = <ID>). <Object Type> Object The preferred serv'<Object Name>' (Object er does not exist. ID: <ID>)' 's required scheduling server group is missing (Server Group Object ID = <ID>). <Object Type> Object '<Object Name>' (Object ID: <ID>)'s list of events to wait for contains missing object(s) (Object ID(s) = <ID>). The event or events that this object is waiting on does not exist. "Reschedule the object When you reschedule the with an existing calendar. object, the CMS applies a No action can be taken by calendar to the object. this application." " Reschedule the object When you reschedule the and choose an existing object, the CMS applies a server group.

No action server group to the object. can be taken by this application." "Allow the application to remove the missing events from the object's list of events to wait for." The RDT removes the missing events. <Object Type> Object This object triggers '<Object Name>' (Object an event that does ID: <ID>)'s list of events not exist.

to trigger contains missing object(s) (Object ID(s) = <ID>). "Allow the application to remove the missing events from the object's list of events to trigger." The RDT removes the missing events. 17 2011-01-12 Inconsistencies in the CMS metadata Warning Message Inconsistency Recommendation Action <Object Type> Object Orphaned Access '<Object Name>' (Object Control entry. ID: <ID>) Access Control List references a missing principal (Object ID = <ID>). " Allow the application to The RDT removes the remove the missing princi- missing principal(s). pal(s) from the object's Access Control List." <Object Type> Object The preferred serv- "Allow the tool to remove the object's invalid entries '<Object Name>' (Object er does not exist. from its Server Group list." ID: <ID>) has invalid Server Group entries <Server Group Entries>.

<Object Type> Object A specific user ac<Object Name> (Object count has multiple favorites folders. ID: <ID>) has multiple Favorites folders. "Allow the application to consolidate multiple Favorites folders into a single Favorites folder." The RDT removes the objects missing entries from the object's server group list. The RDT consolidates the user's Favorites folders into a single folder. 18 2011-01-12 More Information More Information Information Resource Location SAP BusinessObjects product information <http://www.sap.com> Navigate to <http://help.sap.com/businessobjects> and on the "SAP BusinessObjects Overview" side panel click All Products.

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@@@@@@@<http://service.sap.com/bosap-support> Online customer support The SAP Support Portal contains information about Customer Support programs and services. It also has links to a wide range of technical information and downloads.

Customers with a maintenance agreement have an authorized user ID to access this site. To obtain an ID, contact your customer support representative.
<http://www.sap.com/services/bysubject/businessobjectsconsulting> Consulting Consultants can accompany you from the initial analysis stage to the delivery of your deployment project. Expertise is available in topics such as relational and multidimensional databases, connectivity, database design tools, and customized embedding technology. 20 2011-01-12 Index R repository diagnostic tool inconsistencies diagnose and repair 5 object to file 5 repository diagnostic tool (continued) inconsistencies (continued) scenarios 5 overview 5 parameters 7 repository diagnostic tool (continued) table of inconsistencies recommendations 13, 15 using Windows and Unix 7 21 2011-01-12 Index 22 2011-01-12 .



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