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**User guide BUSINESS OBJECTS CRYSTAL REPORTS SERVER XI**  
**Operating instructions BUSINESS OBJECTS CRYSTAL REPORTS SERVER XI**  
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Crystal Reports Server XI Release 2  
Installation Guide - Windows

Crystal Reports Server XI Release 2



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**Manual abstract:**

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It includes a report publisher and a web portal interface that is used to view reports. It also includes Software Developer Kits (SDK) that allow you to customize Crystal Reports Server and integrate it with your custom applications. Crystal Reports Server may be installed on a single machine for up to 20 end users to concurrently access, view, and interact with reports on the web without having Crystal Reports installed on their computers. It allows you to store reports in a central database for security and data integrity. Users then access the reports through a web portal.

With Crystal Reports Server, you can set up security to control which end users can access specific folders and reports. You can also specify the rights for users or groups such as who can schedule reports versus export reports. Who is Crystal Reports Server for? Crystal Reports Server is ideal for organizations that need to deliver reports over the web to smaller audiences. It does not require that you deal with multiple servers and complicated configurations.

Everything is installed on a single server for quick installation and setup. The quick setup allows you to start using the software to increase your report development productivity and data security almost immediately. About this documentation This documentation provides you with information and procedures for installing Crystal Reports Server. It also includes an overview of Crystal Reports Server with details about how it is built on the proven Business Intelligence platform, BusinessObjects Enterprise. This documentation is all you need to perform a full stand-alone installation of Crystal Reports Server. 6 Crystal Reports Server XI Release 2 Installation Guide - Windows Introduction to Crystal Reports Server About this documentation 1 For information about more complex installation scenarios, consult the BusinessObjects Enterprise Installation Guide, which is included with Crystal Reports Server.

Who should read this documentation This documentation is intended for the system administrator, IT professional, or database administrator who needs to install Crystal Reports Server. Familiarity with your database environment and your web server software is especially beneficial. BusinessObjects Enterprise guides Because Crystal Reports Server is built on the BusinessObjects Enterprise framework, you have received BusinessObjects Enterprise guides with this product. After you have finished installing Crystal Reports Server, it is suggested that you begin consulting the BusinessObjects Enterprise guides included with this product. While you are referring to the BusinessObjects Enterprise guides, you may encounter some information that does not apply to Crystal Reports Server. To help you differentiate between the information that applies to Crystal Reports Server and the information that does not, review Crystal Reports Server and BusinessObjects Enterprise on page 36. Business Objects and Linux Crystal Reports Server is supported on Windows and Linux. For more information about Business Objects products on Linux, go to [www.businessobjects.com/linux](http://www.businessobjects.com/linux).

Note: If you are installing Crystal Reports Server on Linux, you will require root privileges to perform some of the setup procedures. Crystal Reports Server XI Release 2 Installation Guide - Windows 7 1 Introduction to Crystal Reports Server About this documentation 8 Crystal Reports Server XI Release 2 Installation Guide - Windows Installing Crystal Reports Server on Windows 2 2 Installing Crystal Reports Server on Windows System requirements Crystal

*Reports Server is a server-side installation. This means that you install it on one central server rather than on each user's machine. Users then access Crystal Reports Server from their individual machines through the web portal interface, known as InfoView. Before you begin, see System requirements on page 10 to ensure you have the necessary components installed and configured correctly.*

*If you want to perform a basic installation, go to To perform the full stand-alone installation on page 13. If you want to upgrade an existing installation of Crystal Reports Server, go to To upgrade an existing installation on page 18. If you want to configure a database separately for Crystal Reports Server before you begin your installation, see To set up a database account for Crystal Reports Server on page 11. System requirements Generally, the following components must be installed and configured correctly on the server before you install Crystal Reports Server: Windows operating system Internet Explorer or Firefox Web server software For a detailed list of tested environments, consult the Platforms.*



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txt file included with your product distribution.

This file includes specific version and Service Pack requirements for web servers, web browsers, web application servers, databases, and operating systems.

For additional important information that may pertain to your deployment, it is also recommended that you consult the Release Notes included with your product distribution (release.pdf, release.htm, or release.rtf). The CMS database Crystal Reports Server requires a database to store information about the system and its users. This database is known as the Central Management Server (CMS) database. The CMS database stores information about the Crystal Reports Server system. Other components of Crystal Reports Server can access this information as required. 10 Crystal Reports Server XI Release 2 Installation Guide - Windows Installing Crystal Reports Server on Windows To set up a database account for Crystal Reports Server 2 The CMS stores information about the following:

- Security The CMS database stores information about the users created for the system and the rights that the users have been granted.

The CMS enforces these rights.

- Objects Files published to Crystal Reports Server are known as objects, and include such file types as Crystal reports. The CMS database stores information about the location of these objects in the Crystal Reports Server system. It also maintains the hierarchy of folders, categories, and inboxes that the objects are organized into.
- Servers The CMS database stores a list of various Crystal Reports Server servers status. Other components can access the database to get information about the availability of services required to perform tasks in the system. For detailed information about each server, see the BusinessObjects Enterprise Administrator's Guide. To set up a database account for Crystal Reports Server Ensure that your database server is set up to use Unicode character encoding (such as UTF-8). Consult your database documentation to determine the settings required for a Unicode configuration. For database servers such as Oracle and Sybase, during installation you must configure the server to use Unicode encoding for the character data types.

For other databases, such as DB2, you can create the CMS database with Unicode settings on your existing database server. If you do not want to configure a database separately, go to To perform the full stand-alone installation on page 13. If you do not configure a database separately, the Crystal Reports Server installation process automatically installs the MySQL database and walk you through its setup for Crystal Reports Server. MySQL is a client/server data engine that provides local data storage and is compatible with Microsoft SQL Server. Crystal Reports Server XI Release 2 Installation Guide - Windows 11 2 Installing Crystal Reports Server on Windows Installing on a non-system drive This task enables you to configure a database separately from the Crystal Reports Server installation if you already have MySQL or SQL Server installed.

The New installation option of the installation program creates the CMS database using your existing database engine. You can Perform Server Installation option ensures that all required Crystal Reports Server components are installed. Crystal Reports Server XI Release 2 Installation Guide - Windows 13 2 Installing Crystal Reports Server on Windows To perform the full stand-alone installation The Perform Client Installation option that also appears here only installs client tools onto a machine. This installation can be used to administer your Crystal Reports Server environment remotely. For detailed information about this type of installation, see the "Client tools installation" section of the BusinessObjects Enterprise Installation Guide.

4. Proceed through the Setup program dialog boxes and follow the instructions on the screen until you reach the Directory Selection dialog box. Select a location and click Next. 5. If you chose to install to the default location, go to step 6. If you chose to install on a drive other than the default location (C:\Program Files\Business Objects\), select a drive for the installation of shared files. These common files are also used by Business Objects products such as Crystal Reports. Note: To install several Business Objects products on the same machine without installing files on the default system drive, first install Crystal Reports Server. When you later install Crystal Reports, it uses the common file directory created by Crystal Reports Server. Otherwise, the Setup program proceeds directly to the Install Type dialog box.

6. Click New. 7. Choose the type of database server you want to install:

- If you want to install the MySQL database as your CMS database, click Install MySQL database server, and then click Next. This is the recommended installation.
- If you want to use another database for the CMS, such as Oracle or Sybase, click Use an existing database server, and then click Next. For information and instructions on how to use an existing database server, refer to the BusinessObjects Enterprise Installation Guide. This information can be found in the chapter called Installing BusinessObjects Enterprise on Windows under the section "New installation".

8. If you chose to install MySQL, specify the configuration for MySQL Database Server.

a. Enter the port number. b. Enter and confirm the password for MySQL's root user account. 14 Crystal Reports Server XI Release 2 Installation Guide - Windows Installing Crystal Reports Server on Windows To perform the full stand-alone installation 2 c. Accept the default user name to access the CMS database or enter a new user name to override the default name. d. Enter and confirm the password that for the CMS database, and then click Next. Note: The setup program will configure the CMS to connect to its system database using the account and the password you create here. 9.

Choose a Web Component Adapter (WCA). Note: If you are installing Crystal Reports Server on Windows XP or higher, selecting IIS ASP .NET results in an installation error. Deselect IIS ASP .NET before continuing with your installation. Note: If you plan to use Crystal Reports Server with Live Office, you must install the Java WCA. Ensure Java application server is selected.

- If you want to use the Java WCA only and use your own Java application server: 1. Select Java application server. 2.

Click Use preinstalled Java application server. 3. Deselect IIS ASP .NET, and then click Next. Crystal Reports Server XI Release 2 Installation Guide - Windows 15 2 Installing Crystal Reports Server on Windows To perform the full stand-alone installation · If you want to use the Java WCA only and have the installation install Tomcat: 1. Select Java application server. 2. Click Install Tomcat application server. 3. Deselect IIS ASP .



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NET, and then click Next. If you want to use the IIS WCA only: 1. Deselect Java application server. 2. Select IIS ASP .

NET. 3. Click the website on which to deploy the WAR file. If you have published other web sites than the default web site with IIS, you can select it here. 4.

Click Next. . . If you want to use both the Java and IIS WCA: 1. Make sure both Java application server and Use preinstalled Java application server are selected. 2. Click the website on which to deploy the WAR file. If you have published other web sites than the default web site with IIS, you can select it here. 3. Select either Use preinstalled Java application server or Install Tomcat application server, and then click Next. 10. Configure Tomcat if you chose to install it; otherwise, skip this step.

16 Crystal Reports Server XI Release 2 Installation Guide - Windows Installing Crystal Reports Server on Windows To perform the full stand-alone installation 2 Accept the defaults or change the default location for the Tomcat installation and/or the following ports, and then click Next. The Connection port The Shutdown port The Redirect port Note: If you are installing Crystal Reports Server on the same machine as a BusinessObjects Enterprise 6.x deployment, do not use the default port number 8080. This port may already be in use for another deployment. You have now specified and configured the components that will be installed with Crystal Reports Server. However, you must finish the installation. For more information, see To finish the full stand-alone installation on page 17. To finish the full stand-alone installation This task enables you to finish the default installation of Crystal Reports Server after you have specified and configured the components that will be installed. For more information, see To perform the full stand-alone installation on page 13. Crystal Reports Server XI Release 2 Installation Guide - Windows 17 2 Installing Crystal Reports Server on Windows To upgrade an existing installation 1.

When you reach the Start Installation dialog box, click Next. The installation of files begins immediately. During the installation process, you may be prompted to restart the local machine. When the installation program has finished copying files, you are given the opportunity to register your product. The installation also launches a web page with important information about your installation, licensing, and any additional downloads you are eligible for. For information about features in Live Office and the SharePoint 2003 Portal Integration Kit, see the Crystal Reports Server XI Release 2 Service Pack 2 What's New Guide. Note: The copy of Crystal Reports you are eligible for must be downloaded through this web page. You have one Crystal Reports license for every five concurrent access licenses you have for Crystal Reports Server. For more information about Crystal Reports and licensing, see Licensing on page 37. 2.

When you reach the final setup dialog box, clear Launch BusinessObjects Administration Console unless you want to publish your own reports to Crystal Reports Server immediately. Tip: Sample reports are installed by default, so you can verify your installation and learn your way around Crystal Reports Server. 3. Click Finish. You can test your installation to see if all components were installed correctly. For more information, see Testing your installation on page 19. To upgrade an existing installation Perform this installation if you want to upgrade an existing installation of Crystal Reports Server to Crystal Reports Server XI Release 2 Service Pack 2. 1. Unless Autorun is enabled, run setup.exe from the root folder of your product distribution.

When you start the installation, the Microsoft Windows Installer may need to be installed or upgraded on the local machine. If so, the Wise Installation Wizard performs the necessary modifications and prompts you when finished. Click Yes to restart the machine and resume the installation automatically. 18 Crystal Reports Server XI Release 2 Installation Guide - Windows Installing Crystal Reports Server on Windows Testing your installation 2 2. Choose a setup language, and click OK. 3. In the Welcome dialog box, click Next. 4. In the License Agreement dialog box, click I accept the License Agreement, and then click Next. 5.

In the Start Installation dialog box, click Next. The Setup program detects installed files on your computer and proceeds to upgrade your installation of Crystal Reports Server with Service Pack 2. When the upgrade is complete, click Finish to exit the Setup program. Testing your installation To test your installation, open your web browser and enter one of the following paths depending on your installation type. Note: If you installed Crystal Reports Server on Windows XP or higher, the .

NET deployment of InfoView is unavailable. . .NET <http://webserver/businessobjects/enterprise115/> Here, the term webserver represents the name of the local machine. . Java <http://webserver:portnumber/businessobjects/enterprise115/desktoplaunch> Here, the term webserver represents the name of the local machine, and portnumber represents the connection port you specified during the installation process. The log on page for InfoView should appear.

If you cannot access Crystal Reports Server, start the Central Configuration Manager (CCM) from the BusinessObjects program group to ensure that all servers listed are started and enabled. For more information, see To ensure that all servers are started and enabled on page 20. Crystal Reports Server XI Release 2 Installation Guide - Windows 19 2 Installing Crystal Reports Server on Windows Testing your installation To ensure that all servers are started and enabled If the log on page for InfoView fails to appear when you test your installation, perform this task. For information about how to test your installation, see Testing your installation on page 19. 1. Go to Start > Programs > Business Objects > Crystal Reports Server > Central Configuration Manager. In the Central Configuration Manager, you see a list of all the Crystal Reports Server servers. 2. Ensure that all the servers in the list have a status of Running, and that all started servers have an icon of a server with a green arrow to their left. If there are any servers that have a status of Stopped, they must be started before you can access Crystal Reports Server.

3. To start a server, right-click the server name and select Start from the submenu. Tip: Alternatively you can select the server name and click the Start icon on the main toolbar. When all servers are started, you must ensure that they are also enabled. 4. Click the Enable/Disable Servers icon. The Log On dialog box appears. 5. Enter your Crystal Reports Server logon information. a.

In the System field, type the machine name. b. In the User Name and Password fields, enter your logon credentials. c. @@6.



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Click Connect. You are logged on to the Crystal Reports Server system. 7. In the Enable/Disable Servers under machinename machine dialog box, ensure that to the left of all servers there is an icon of a server with a green arrow. 20 Crystal Reports Server XI Release 2 Installation Guide - Windows Installing Crystal Reports Server on Windows Testing your installation 2 This indicates that the servers are enabled.

If there is an icon of a server with a "do not enter" symbol to the left of any of the servers, this indicates that the server is disabled. Note: Here machinename represents the name of the machine on which Crystal Reports Server is installed. 8. If any of the servers are disabled, select the check box to the left of the server and click OK. Now when you open the Enable/Disable Servers under machinename machine dialog box, all the servers are enabled. Crystal Reports Server XI Release 2 Installation Guide - Windows 21 2 Installing Crystal Reports Server on Windows Testing your installation 22 Crystal Reports Server XI Release 2 Installation Guide - Windows Publishing Reports to Crystal Reports Server 3 3 Publishing Reports to Crystal Reports Server What is publishing? What is publishing? Publishing is the process of adding objects to the Crystal Reports Server environment and making them available to authorized users. Once an object is published, it appears in the folder that you specified in InfoView (or your customized web desktop) and in the Objects management area of the Central Management Console (CMC). Several types of objects can be published and viewed in Crystal Reports Server: reports (from Crystal Reports) programs Microsoft Excel/Word/PowerPoint files Adobe Acrobat PDFs text files rich text format files hyperlinks object packages (which consist of report and/or program objects) Note: Crystal Reports Server supports reports that are created in versions 6 through XI of Crystal Reports. However, once a report is published to Crystal Reports Server, it is saved, processed, and displayed in version XI format. How to publish reports using the Publishing Wizard The Publishing Wizard consists of a series of dialog boxes; only the dialog boxes that are applicable to the reports/folders that you are publishing appear.

When you use the wizard, you first connect to Crystal Reports Server, and then you select the reports/folders you want to publish, the publishing location, and the schedule. You can use the Publishing Wizard to publish one or more reports, or an entire directory of reports, to Crystal Reports Server. Note: Depending on the rights that are assigned by your Crystal Reports Server administrator, you may not be able to publish reports by using the 24 Crystal Reports Server XI

Release 2 Installation Guide - Windows Publishing Reports to Crystal Reports Server How to publish reports using the Publishing Wizard 3 Publishing Wizard. Contact your Crystal Reports Server administrator for more information. Connecting to Crystal Reports Server When you use the Publishing Wizard, you are prompted to log on to the Crystal Reports Server system where you want to publish your reports. 1. On Windows, click Start > Programs > Business Objects > Crystal Reports Server > Publishing Wizard. The Welcome to the Publishing Wizard dialog box appears. 2. Click Next.

The Please Log On dialog box appears. 3. Enter your logon information. a. In the System field, type the name of the CMS where you want to publish objects. b. In the User Name and Password fields, type your Crystal Reports Server logon credentials. Crystal Reports Server XI Release 2 Installation Guide - Windows 25 3 Publishing Reports to Crystal Reports Server How to publish reports using the Publishing Wizard c. @@@@4. Click Next.

@@@@In the Select Files dialog box, click Add Files or Add Folders. 2. @@@@@@@@@4. Click Next. @@@@@@@@@1. @@@New folders are green; existing folders are yellow. @@@Click Next. The Confirm Location dialog box appears. 3. @@@@@@4.

Click Next. @@@Go to steps 2 and 3 of Duplicating a folder hierarchy on page 29. @@@1. @@@@@@@@@2. Click Next. The Specify Categories dialog box appears. @@@However, for the purposes of this tutorial, you will skip this step. @@@@@@" 3. Click Next. @@@1.

@@@2. Select one of three intervals: · Run once only Crystal Reports Server XI Release 2 Installation Guide - Windows 29 3 Publishing Reports to Crystal Reports Server How to publish reports using the Publishing Wizard Selecting the Run once only option provides the following options: · when finished this wizard This option runs the report once when you finish publishing it. The report is not run again until you reschedule it. · at the specified date and time This option runs the report once at a date and time you specify. The report is not run again until you reschedule it.

· Let users update the object This option does not schedule the report. Instead, it leaves the task of scheduling up to the user. · Run on a recurring schedule Once you have selected this option, click Set Recurrence to set the scheduling options. The Pick a recurrence schedule dialog box appears. The options in this dialog box allow you to choose when and how often the report runs.

Select the appropriate options and click OK. 3. Click Next after you have set the schedule for each report you are publishing. The Specify Repository Refresh dialog box appears. Refreshing repository fields The Crystal Reports Server Repository is a central location in which shared elements such as text objects, bitmaps, custom functions, universes, and custom SQL commands are stored. You can choose to refresh the repository fields of a report if the report references the repository. This choice does not affect your ability to publish the report, only how the report will behave once it is published. To refresh repository fields, the Publishing Wizard needs to connect to your Crystal Reports Server Repository database from the local machine. For more details, see the BusinessObjects Enterprise Administrator's Guide. 30 Crystal Reports Server XI Release 2 Installation Guide - Windows Publishing Reports to Crystal Reports Server How to publish reports using the Publishing Wizard 3 1.

In the Specify Repository Refresh dialog box, select a report, and then select the Use Object Repository when refreshing report check box if you want to refresh it against the repository. Tip: Click the Enable All button if you want to refresh all of the reports that reference the repository; click the Disable All button if you want to refresh none of the reports. 2. Click Next. Publishing with saved data If you publish a report that includes saved data, you are prompted by the Specify Keep Saved Data dialog box. Note: If you choose not to keep saved data, ensure your ODBC logon credentials are correct. Otherwise, when you try to view or refresh the report, an error message saying "Failed to open the connection.



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report " will appear. Here, the term report represents the name of your report. Consult your database administrator if this happens.

1. In the Specify Keep Saved Data dialog box, select a report, and then select the Keep saved data when publishing report check box if you want to keep the report's saved data. Tip: Click the Enable All button if you want to keep the saved data for all of the reports; click the Disable All button if you do not want to keep saved data for any of the reports. 2. Click Next.

The Change Default Values dialog box appears. You can publish reports without changing any of the default properties, which is what you will do for the purposes of this tutorial. For more information, refer to the BusinessObjects Enterprise Administrator's Guide. This information can be found in the chapter called Publishing Objects to BusinessObjects Enterprise under the section "Changing object properties". 3.

In the Change Default Values dialog box, click Publish without modifying properties, and then click Next. Crystal Reports Server XI Release 2 Installation Guide - Windows 31 3 Publishing Reports to Crystal Reports Server How to publish reports using the Central Management Console Finalizing the reports to be published After you provide the required information for the reports, the Publishing Wizard displays a list of all the reports that you chose to publish. 1. Ensure that all of the reports that you want to publish are on the list, and click Next. The reports are published to the CMS, scheduled, and/or run as specified. Afterwards, you return to the final screen of the Publishing Wizard. 2. To view the details of a report, select it from the list. 3. Click Finish to close the wizard.

How to publish reports using the Central Management Console If you have administrative rights to Crystal Reports Server, you can publish reports over the Web from within the Central Management Console (CMC). Use the CMC to publish single reports or to perform administrative tasks remotely. 1. On Windows, click Start > Programs > Business Objects > Crystal Reports Server > Java Administration Launchpad. Tip: If you installed Crystal Reports Server on Windows 2003 or lower, alternatively you can use the .NET Administration Launchpad. The Administration Launchpad appears. 2. Click Central Management Console. 3.

On the CMC Log On page, enter your logon information. a. In the System field, type the name of the CMS where you want to publish reports. b. In the User Name and Password fields, type your Crystal Reports Server logon credentials.

c. From the Authentication Type list, select the appropriate authentication type. 4. Click Log On. 32 Crystal Reports Server XI Release 2 Installation Guide - Windows Publishing Reports to Crystal Reports Server How to publish reports using the Central Management Console 3 5.

On the CMC Home page, click Objects to go to the Objects management area. 6. Click New Object. The New Object page appears. 7. On the left side of the page, click Report. 8. Specify the properties of the report: · File name Type the full path to the report, or click Browse to perform a search. · Generate thumbnail for the report Select this option if you want users to see a thumbnail preview of the report in Crystal Reports Server. Note: To be able to display thumbnails for a report, open the report in Crystal Reports and, on the File menu, click Summary Info.

Select the Save preview picture option, and click OK. Preview the first page of the report and save your changes. · Use Object Repository when refreshing report Crystal Reports Server XI Release 2 Installation Guide - Windows 33 3 Publishing Reports to Crystal Reports Server How to save reports directly to the CMS Select this option if you want to refresh the repository fields of a Crystal report against the repository every time the report runs. · Keep saved data Select this option if you want to keep your report's saved data. 9. Ensure that the correct folder name appears in the Destination field. Tip: To change the destination, select a folder from the list below the Destination field, and click Show Subfolders. 10. Click Submit. When the report is published to Crystal Reports Server, the CMC displays the Properties screen.

If necessary, you can modify properties such as title, description, database logon information, scheduling information, user rights, and so on for the report. How to save reports directly to the CMS In Crystal Reports, you can use the Save As command to publish reports directly to Crystal Reports Server from within the designer. 1. After you design a report in Crystal Reports, click Save As on the File menu. The Save As dialog box appears.

2. Click the Enterprise icon on the left of the Save As dialog box. The Log on to BusinessObjects Enterprise dialog box appears. 3. Enter your logon information.

a. In the System field, type the name of the CMS where you want to publish the report. b. In the User Name and Password fields, type your Crystal Reports Server logon credentials. c. @@4. Click OK. 5. Specify the folder where you want to save the report, and click Save. 34 Crystal Reports Server XI Release 2 Installation Guide - Windows Crystal Reports Server Product Information 4 4 Crystal Reports Server Product Information Crystal Reports Server and BusinessObjects Enterprise Crystal Reports Server and BusinessObjects Enterprise Crystal Reports Server allows companies to create, manage, and deliver reports over the web and embed them in enterprise applications.

Designed for use on a single server, Crystal Reports Server is ideal for departmental reporting requirements. Crystal Reports Server is based on the proven Business Intelligence platform, BusinessObjects Enterprise. This makes it straight forward to upgrade to BusinessObjects Enterprise Professional or Premium for additional capabilities such as auditing, dashboards, query and analysis, and scalable, mission-critical enterprise reporting. Keep the features in this section in mind when you are configuring your Crystal Reports Server environment and referring to the rest of the documentation included with this product.

Installation · · All Crystal Reports Server components must be installed on a single server. The server can have a maximum of four processors on it. Crystal Reports Server is supported on Windows and Linux. File types You can publish and view the following file types with Crystal Reports Server: Crystal reports (.rpt) Microsoft Word (.doc) Microsoft Excel (.xls)

Microsoft PowerPoint (.ppt) Adobe Acrobat PDFs (.pdf) text files (.txt) rich text format files (.rtf) hyperlinks programs object packages (which consist of report and/or program objects) Other file types are not supported.

36 Crystal Reports Server XI Release 2 Installation Guide - Windows Crystal Reports Server Product Information Licensing 4 If you have larger enterprise reporting requirements and are interested in other licensing options or require additional features, you can upgrade to BusinessObjects Enterprise Professional or Premium.



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<http://yourpdfguides.com/dref/3808801>

For more information about these products, visit <http://www.businessobjects.com>. Licensing When you purchase Crystal Reports Server, your package includes the following: . . . One Crystal Reports Developer edition report designer Five concurrent access licenses for end user report viewing via the web One year of technical support and maintenance Note: This explanation is only a guideline.

For complete details on licensing terms and conditions, consult the End User License Agreement file (license.pdf) located in the /docs/en/ directory of your program installation. Crystal Reports The report designer is licensed on a named user basis. This means that one individual may install and use the designer to create Crystal reports. This license may not be shared with others. If you require additional designer licenses, you may purchase Crystal Reports Professional or Developer edition. InfoView InfoView has five concurrent access licenses (CAL). These licenses accept a maximum of five concurrent logons per package purchased. This means that five people can simultaneously connect to the Crystal Reports Server system for report viewing. If you require more than five simultaneous connections, you may purchase additional Crystal Reports Server packages.

These additional packages may be used within a single deployment. The maximum deployment size for a single system is 20 concurrent users. If you receive a License Key Error message such as "An unknown error has occurred in the license key system. Please confirm that you have not exceeded the maximum number of licenses for this product ", this means Crystal Reports Server XI Release 2 Installation Guide - Windows 37 4 Crystal Reports Server Product Information Crystal Reports Server components you have reached the maximum number of 20 allowed licenses on a single system. Server Licenses Each Crystal Reports Server system may be installed on a single server machine with a maximum of four processors. For complete details on licensing terms and conditions, consult the End User License Agreement (license.pdf) located in the /docs/en/ directory of your program installation. Promotional bundle If you received Crystal Reports Server as part of a promotional bundle with Crystal Reports Professional or Developer editions, you have five named user licenses for Crystal Reports Server. You can use these licenses by assigning unique user IDs to five individuals so they can access and view reports over the web.

Licenses received through multiple copies of Crystal Reports Professional or Developer editions may not be combined for use within the same system. If you require additional licenses to increase your system beyond five users, you may purchase the additional Crystal Reports Server packages outlined under Licensing on page 37. Crystal Reports Server components This section provides a brief overview of the Crystal Reports Server components with details about where to find more information about them. Crystal Reports Server includes the following components: . Crystal Reports Crystal Reports is a report designer that allows you to design and produce highly formatted reports from virtually any data source. Built-in report experts guide you step by step through building reports and completing common reporting tasks. Formulas, cross-tabs, subreports, and conditional formatting help make sense of data and uncover important relationships that might otherwise be hidden.

These reports can then be published and shared over the web. 38 Crystal Reports Server XI Release 2 Installation Guide - Windows Crystal Reports Server Product Information Crystal Reports Server components 4 For more information, see the Crystal Reports User's Guide. . Live Office Live Office is an add-on built in to Microsoft Office applications that enables business workers to access Crystal Reports Server documents from within Microsoft Office. For more information, see these guides: BusinessObjects Live Office XI Release 2 Productivity Pack Installation Guide BusinessObjects Live Office XI Release 2 Productivity Pack User's Guide Note: Live Office is unavailable to users who received Crystal Reports Server as part of a promotional bundle and users without a CAL. . SharePoint 2003 Portal Integration Kit (PIK) The SharePoint PIK provides seamless integration between Crystal Reports Server and Microsoft Windows SharePoint 2003 Portal Services or Microsoft Office SharePoint 2003 Portal Server.

For more information, see the BusinessObjects Enterprise XI R2 Portal Integration Kit Installation Guide for Microsoft SharePoint. . InfoView web portal interface InfoView is a web application that provides a window to Crystal reports published to Crystal Reports Server. InfoView allows you to view, schedule, export, and save Crystal reports. For more information, see the BusinessObjects Enterprise InfoView User's Guide. . Central Configuration Manager The Central Configuration Manager (CCM) is a server management tool that allows you to configure each Crystal Reports Server server component. You can start, stop, enable, and disable servers using the CCM. It also allows you to configure port numbers and system database configuration. For more information, see Administering BusinessObjects Enterprise and Managing and Configuring Servers in the BusinessObjects Enterprise Administrator's Guide.

Central Management Console The Central Management Console (CMC) is a web application that provides a way to manage the Crystal Reports Server environment. It Crystal Reports Server XI Release 2 Installation Guide - Windows 39 4 Crystal Reports Server Product Information Crystal Reports Server components can be used to manage users, content, and servers.

You can also use the CMC to stop, enable, and configure servers. For more information, see Administering BusinessObjects Enterprise in the BusinessObjects Enterprise Administrator's Guide . . Scheduling You can run Crystal reports automatically at set times such as daily, weekly, hourly, or on any predefined business calendar. The report that is created is saved by the system and can be viewed by users at any time. For more information, see BusinessObjects Enterprise Security Concepts in the BusinessObjects Enterprise Administrator's Guide. . Security Crystal Reports Server allows you to set security so that you can avoid unauthorized access to the system. It contains its own Enterprise authentication method and also supports third-party Windows NT, LDAP, and Active Directory authentication. For details about security, see BusinessObjects Enterprise Security Concepts in the BusinessObjects Enterprise Administrator's Guide. Report Viewers display Crystal reports pages in users' web browsers. There are different Report Viewers available.

For more information, see Report Viewers in the BusinessObjects Enterprise Administrator's Guide.



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· **Software Developer Kits** Software developer kits allow application developers to build application and portal integration on top of Crystal Reports Server. For more information, see **Developer Documentation** by going to the **BusinessObjects program group** and selecting **Crystal Reports Server** and then selecting **Online Developer Library**. · **Import Wizard** The **Import Wizard** is a locally installed tool that allows administrators to import users, groups, folders, and reports from an existing **BusinessObjects Enterprise, Crystal Enterprise, or Crystal Info** implementation to **Crystal Reports Server**. 40 **Crystal Reports Server XI Release 2 Installation Guide - Windows Crystal Reports Server Product Information Crystal Reports Server components 4** For more information, see **Importing Objects to BusinessObjects Enterprise in the BusinessObjects Enterprise Administrator's Guide**.

· **Publishing Wizard** The **Publishing Wizard** is a locally installed tool that allows administrators and users to add Crystal reports to **Crystal Reports Server**. For more information, see **Publishing Objects to BusinessObjects Enterprise in the BusinessObjects Enterprise Administrator's Guide**. · **Business View Manager** **Business View Manager** lets database administrators build and modify **Business Views** objects that allow users and report designers simplified access to the data they require. **Business Views** also allows you to integrate data from disparate data sources into one **Business Views** object. @@@@The source data is not removed.

@@@@Consult the **BusinessObjects Enterprise Administrator's Guide** and the **BusinessObjects Enterprise User's Guide** for more information about using **Crystal Reports Server**. Online versions of these guides are included in the /docs/en/ directory of your product distribution. These documents are also accessible from the **Administration Launchpad, Crystal Reports Server's web-based interface**. **Crystal Reports Server XI Release 2 Installation Guide - Windows 41 4 Crystal Reports Server Product Information Crystal Reports Server components 42 Crystal Reports Server XI Release 2 Installation Guide - Windows BusinessObjects XI .NET Providers 5 5 BusinessObjects XI .NET Providers BusinessObjects XI .NET Providers** let you build a **BusinessObjects Enterprise** web application with minimal coding. The web application you build allows users to log on to a **BusinessObjects** system, browse folders, and view reports and other documents. **BusinessObjects XI .NET Providers** is an enhancement to the **BusinessObjects Enterprise XI Release 2 SDK**.

**BusinessObjects XI .NET Providers** have two features: · · The **design-time** feature lets you build web applications that use **BusinessObjects XI .NET Providers**. The **runtime** feature lets you run web applications that use **BusinessObjects XI .NET Providers**. Consult this table to see which features are included in your installation: Is **Visual Studio 2005** installed on your computer? Yes Is **.NET Framework BusinessObjects XI .NET Providers work 2.0** installed features installed on your computer? Yes (**.NET Framework 2.0** is installed with **Visual Studio 2005**) No Yes **Runtime only**. To install the **design-time** features, install **Visual Studio 2005**. Then, run the **BusinessObjects XI .NET Providers Standalone Install or Crystal Reports Server Install**. No No No components installed.

To install only the **runtime** feature, install **.NET Framework 2.0**. Or, to install both **runtime** and **design-time** features, install **Visual Studio 2005**. Then, run the **BusinessObjects XI .NET Providers Standalone Install or Crystal Reports Server Install**. **Runtime and design-time**. 44 **Crystal Reports Server XI Release 2 Installation Guide - Windows Get more help A A Get more help Additional developer resources http://diamond.businessobjects.com Online customer support The Business Objects Customer Support web site contains information about Customer Support programs and services. It also has links to a wide range of technical information including knowledgebase articles, downloads, and support forums. http://www.businessobjects.com/support/ Looking for the best deployment solution for your company? Business Objects consultants can accompany you from the initial analysis stage to the delivery of your deployment project. Expertise is available in relational and multidimensional databases, in connectivities, database design tools, customized embedding technology, and more.**

For more information, contact your local sales office, or contact us at: <http://www.businessobjects.com/services/consulting/> Looking for training options? From traditional classroom learning to targeted e-learning seminars, we can offer a training package to suit your learning needs and preferred learning style. Find more information on the **Business Objects Education** web site: <http://www.businessobjects.com/services/training> Send us your feedback Do you have a suggestion on how we can improve our documentation? Is there something you particularly like or have found useful? Drop us a line, and we will do our best to ensure that your suggestion is included in the next release of our documentation: [documentation@businessobjects.com](mailto:documentation@businessobjects.com) Note: If your issue concerns a **Business Objects** product and not the documentation, please contact our **Customer Support** experts. For information about **Customer Support** visit: <http://www.businessobjects.com/support/>.

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