Before using this information and the product it supports, read the information in “Notices” on page 25.

Product Information

This document applies to IBM Cognos Business Intelligence Version 10.2.0 and may also apply to subsequent releases. To check for newer versions of this document, visit the IBM Cognos Information Centers [http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp].

© Copyright IBM Corporation 2010, 2012.
US Government Users Restricted Rights – Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.
# Contents

**Introduction** .................................. v

**Chapter 1. Preparing to Install IBM Cognos Statistics** .................................. 1
- Install and Configure IBM Cognos BI software .................................................. 1
- Review the Release Notes Before You Install .................................................... 1
- Installation Options for IBM Cognos Statistics ................................................... 2
- Review System Requirements for IBM Cognos Statistics ....................................... 2
- Supported environments ......................................................................................... 3
- Configure Web Browser Settings ......................................................................... 4

**Chapter 2. Installing and Configuring IBM Cognos Statistics** .............................. 5
- IBM Cognos Statistics Installations ....................................................................... 5
  - Install IBM Cognos Statistics on a UNIX or Linux computer .............................. 5
  - Install IBM Cognos Statistics on a Microsoft Windows operating system .......... 6
- Configuring IBM Cognos Statistics ....................................................................... 7
  - Configure IBM Cognos Statistics to Communicate with IBM Cognos BI Server Components .................................................. 7
  - Start the IBM Cognos Service ......................................................................... 8
  - Use SPSS-supported Content Languages in IBM Cognos BI ............................... 8
- Securing IBM Cognos Statistics .......................................................................... 9
  - Add Members to the Statistics Authors Role ..................................................... 9
  - Set Access to IBM Cognos Statistics Secured Functions and Features ............. 10
- Test the Installation of IBM Cognos Statistics ................................................. 11
- Managing IBM Cognos Statistics ....................................................................... 12
  - Uninstall IBM Cognos Statistics .................................................................... 12
  - Uninstall IBM Cognos Statistics on a UNIX or Linux Computer ..................... 12
  - Uninstall IBM Cognos Statistics on a Microsoft Windows operating system .... 12

**Chapter 3. Setting up the Samples for IBM Cognos Statistics** ............................ 15
- Installation of Statistics Samples ....................................................................... 15
  - Install the IBM Cognos BI Samples on a UNIX or Linux Computer ................. 15
  - Install the IBM Cognos BI samples on a Microsoft Windows operating system .... 16
- Restoration of the Samples Databases ................................................................ 17
  - Restore the DB2 Samples Database ................................................................ 17
  - Restore the Oracle Samples Database .............................................................. 18
  - Restore the Microsoft SQL Server Database .................................................... 19
- Create a Data Source Connection to the Samples Databases ............................... 19
- Import the Samples Content .............................................................................. 20

**Appendix. Accessibility features** ...................................................................... 23
- Keyboard Shortcuts for the Installation Wizard .................................................. 23

**Notices** .............................................................................................................. 25

**Index** ................................................................................................................. 29
Introduction

This document is intended for use with IBM® Cognos® Statistics. IBM Cognos Statistics is used with IBM Cognos Business Intelligence to provide business users, analysts, and programmers with the ability to analyze, view, and present complex data.

This document provides step-by-step installation and configuration information.

Audience

This guide is intended for system administrators. To use this guide, you should have basic Microsoft Windows, UNIX, and Linux administration skills.

Finding information

To find IBM Cognos product documentation on the web, including all translated documentation, access one of the IBM Cognos Information Centers (http://publib.boulder.ibm.com/infocenter/cogic/v1r0m0/index.jsp) Updates to Release Notes are published directly to Information Centers. You can also read PDF versions of the product release notes and installation guides directly from IBM Cognos product disks.

Accessibility features

Accessibility features help users who have a physical disability, such as restricted mobility or limited vision, to use information technology products. This product has accessibility features. For information on these features, see the accessibility section in this document. IBM Cognos HTML documentation has accessibility features. Adobe PDF documents are supplemental and, as such, include no added accessibility features.

Forward-looking statements

This documentation describes the current functionality of the product. References to items that are not currently available may be included. No implication of any future availability should be inferred. Any such references are not a commitment, promise, or legal obligation to deliver any material, code, or functionality. The development, release, and timing of features or functionality remain at the sole discretion of IBM.

Samples disclaimer

The Great Outdoors Company, GO Sales, any variation of the Great Outdoors name, and Planning Sample depict fictitious business operations with sample data used to develop sample applications for IBM and IBM customers. These fictitious records include sample data for sales transactions, product distribution, finance, and human resources. Any resemblance to actual names, addresses, contact numbers, or transaction values is coincidental. Other sample files may contain fictional data manually or machine generated, factual data compiled from academic or public sources, or data used with permission of the copyright holder, for use as sample data to develop sample applications. Product names referenced
Chapter 1. Preparing to Install IBM Cognos Statistics

Before you install IBM Cognos Statistics, some pre-installation tasks are required to set up your environment. For example, ensure that you have adequate system resources available, and that IBM Cognos Business Intelligence (BI) software is successfully installed.

The following diagram shows an overview of the complete installation process for IBM Cognos Statistics. Each phase of the process consists of several tasks. Some tasks are mandatory, and other tasks are optional, which allow you to customize your installation. For best results, complete all of the tasks listed in this section.

Figure 1. Installation and configuration process flow

Install and Configure IBM Cognos BI software

In order to go through the installation, configuration, and verification of the product in a minimum amount of time, make only essential changes to the default settings. Your first objective is a fast and error-free installation. Later you can change the settings to better suit your environment.

Install IBM Cognos Business Intelligence software first ensuring that the product works. This involves

• installing one instance of each of the required server components (gateway, Application Tier Components, and Content Manager).
• installing Framework Manager on the Windows operating system.

After you set up your environment, initially do only the required configuration tasks so that your installation successfully runs in your environment.

You can then add optional components and customize your configuration settings to better suit your business intelligence needs.

The simplest and quickest way to get your IBM Cognos product running in your environment is to ensure that a basic installation works before you customize the configuration. For more information, see the IBM Cognos Business Intelligence Installation and Configuration Guide.

Review the Release Notes Before You Install

Before you install your IBM Cognos product, it is important to be aware of all issues that may affect your installation strategy.

There may be late-breaking issues that were not known when this installation guide was created.
Review the Release Notes before you install your product. The Release Notes contain late-breaking information about known issues, and documentation updates and deprecation notices. The Release Notes are available from the first page of the installation wizard or from the product disc. Release Notes updates are also available on the IBM Cognos Customer Center (http://www.ibm.com/software/data/cognos/customercenter/).

**Installation Options for IBM Cognos Statistics**

Before installing IBM Cognos Statistics, you must decide which installation option is the best for your environment.

You can install
- all IBM Cognos components, including IBM Cognos BI and IBM Cognos Statistics, on one computer.
- IBM Cognos components on multiple computers.
- one or more instances of the IBM Cognos Statistics service.

The best distribution option depends on your reporting requirements, resources, and preferences. Configuration requirements differ depending on whether you install all components on one computer, or on more than one computer. You must configure IBM Cognos Statistics to be part of an IBM Cognos Business Intelligence installation.

**Installation Sequence**

The order in which you start component services is important in distributed installation. In this case, you must first start the services on the Content Manager computer.

Content Manager stores and manages IBM Cognos content, including user permissions. Content Manager must be configured, running, and accessible before you configure other computers in your IBM Cognos environment. This ensures that the certificate authority service, which is installed with Content Manager, is available to issue certificates to other IBM Cognos computers.

**Install All IBM Cognos Statistics Services on the Same Operating System**

In a distributed installation of IBM Cognos Statistics, if the statistics service runs on different operating systems, a report could show slightly different values for the least significant digits, depending on which statistics service processed the request.

To avoid these types of issues, install all statistics services for a given IBM Cognos installation on the same operating system.

**Review System Requirements for IBM Cognos Statistics**

Review the minimum hardware and software requirements to install and run IBM Cognos Statistics. You may require additional resources for larger or production environments.
**Procedure**

Use the following table to check the hardware and software requirements to install and run IBM Cognos Statistics.

*Table 1. System requirements for IBM Cognos Statistics*

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating system</td>
<td>Windows</td>
</tr>
<tr>
<td></td>
<td>UNIX</td>
</tr>
<tr>
<td></td>
<td>Linux</td>
</tr>
<tr>
<td>RAM</td>
<td>Minimum: 2 GB per processor</td>
</tr>
<tr>
<td>Disk space</td>
<td>A minimum of 2.5 GB of free space is required to install the software, and 1 GB of free space on the drive that contains the temporary directory used by IBM Cognos components</td>
</tr>
</tbody>
</table>

**Supported environments**

To ensure that your product works properly, apply all minimum required operating system patches, and use only the supported versions of third-party software.

To review an up-to-date list of supported environments for IBM Cognos products, visit [IBM Cognos Customer Center](http://www.ibm.com/software/data/cognos/customercenter/). The website provides information about requirements related to the following parts of your environment.

- Operating systems
- Patches or service packs or equivalent
- Web browsers
- Web servers
- Directory servers
- Database servers
- Application servers

Unless otherwise indicated, IBM Cognos products are compatible with later versions of patches/service packs from the versions stated.

It is important to note that the Linux operating system is available in a number of distributions and supports a number of hardware platforms. Ensure that the combination of the operating system and hardware that you are using is supported.

**Cognos products and virtualization environments**

The [IBM virtualization policy](http://www.ibm.com/software/support/virtualization_policy.html) describes IBM support for virtualization environments.
For more information, search supported server virtualization environments by product (http://publib.boulder.ibm.com/infocenter/prodguid/v1r0/clarity/vesForProduct.html).

Configure Web Browser Settings

You must enable some settings on the client web browsers before users can see IBM Cognos BI web content. For example, you must configure the web browsers to accept cookies.

For information about how to enable settings, see the online help for the web browser.

Procedure

1. For all web browsers, ensure that both cookies and JavaScript are enabled.
2. For Microsoft Internet Explorer only, ensure that the following are enabled:
   • Run ActiveX controls and plug-ins
   • Script ActiveX controls marked safe for scripting
   • Active scripting
   • Allow META REFRESH
Chapter 2. Installing and Configuring IBM Cognos Statistics

After you install and configure your IBM Cognos Business Intelligence software, install and configure the IBM Cognos Statistics software to extend your reporting capabilities. IBM Cognos Statistics enables report authors to use statistical calculations and create statistical charts in IBM Cognos Report Studio.

Before installing IBM Cognos Statistics, install and configure the mandatory IBM Cognos Business Intelligence components, which include the gateway, Application Tier Components, and Content Manager. This ensures that the core installation is running before you extend the capability of the reporting environment to include IBM Cognos Statistics. For more information, see the IBM Cognos Business Intelligence Installation and Configuration Guide.

The following diagram shows an overview of the complete installation process for IBM Cognos Statistics. After you install IBM Cognos Statistics, you must configure it to communicate with your IBM Cognos BI software.

IBM Cognos Statistics Installations

Install IBM Cognos Statistics on a Windows, UNIX, or Linux operating system to enable report authors to perform statistical calculations and generate statistics-based charts in IBM Cognos Report Studio. Install all statistics services for a given IBM Cognos installation on the same operating system.

Install IBM Cognos Statistics on a UNIX or Linux computer

You can install IBM Cognos Statistics on UNIX or Linux computer

Before you begin

Ensure that IBM Cognos Business Intelligence (BI) is installed, configured, and running before you install IBM Cognos Statistics. This will help you troubleshoot any installation issues.

You must first install and configure Content Manager and then start the IBM Cognos service on at least one Content Manager computer before you configure IBM Cognos Statistics. This ensures that the certificate authority service issues a certificate to the IBM Cognos Statistics computer.

Procedure

1. Mount the IBM Cognos BI product disk or go to the directory where the installation files were downloaded and extracted.

   If you are installing on HP-UX, mount the product disk with Rock Ridge file extensions and do the following:
Add the pfs_mount directory in your path. For example,

```
PATH=/usr/sbin/$PATH
export PATH
```

To start the required NFS daemons and run the daemons in the background, type

```
bg pfs_mountd
```

and then type bg pfsd

To mount the drive, type

```
pfs_mount -t rrip <device><mount_dir> -o xlat=unix
```

For example,

```
pfs_mount -t rrip /dev/dsk/c0t2d0 /cdrom -o xlat=unix
```

You can now install or copy files as a non-root user using an IBM Cognos CD from this drive.

When the installation is complete, type pfs_umount /cdrom and kill the pfsd and pfs_mountd daemons to unmount the CD.

2. Go to the directory that is appropriate for your operating system and start the installation by typing ./issetup

3. In the Welcome page, select the language to use for the installation, and click Next.

4. Follow the instructions to copy the required files.

You can install the files in the same location as other IBM Cognos components, or in a different location. If you are installing into the same directory as other IBM Cognos components, you are prompted to stop the services before proceeding.

Results

If you installed IBM Cognos Statistics on the same computer and in the same location as other IBM Cognos BI server components, no additional configuration in IBM Cognos Configuration is required.

However, if you installed IBM Cognos Statistics in a location where no other IBM Cognos BI server components are installed, additional configuration is required.

Install IBM Cognos Statistics on a Microsoft Windows operating system

You can Install IBM Cognos Statistics on a Microsoft Windows operating system.

Before you begin

Ensure that IBM Cognos Business Intelligence (BI) is installed, configured, and running before you install IBM Cognos Statistics. This will help you troubleshoot any installation issues.

You must first install and configure Content Manager and then start the IBM Cognos service on at least one Content Manager computer before you configure IBM Cognos Statistics. This ensures that the certificate authority service issues a certificate to the IBM Cognos Statistics computer.

Procedure

1. Go to the directory where the installation files were downloaded and extracted and double-click the issetup.exe file.
If you are installing from media, the installation wizard starts automatically from the product disk.

2. In the **Welcome** page, select the language to use for the installation, and click **Next**.

3. Follow the instructions to copy the required files.
   You can install the files in the same location as other IBM Cognos components, or in a different location.

**Results**

If you installed IBM Cognos Statistics on the same computer and in the same location as other IBM Cognos BI server components, no additional configuration in IBM Cognos Configuration is required.

However, if you installed IBM Cognos Statistics in a location where no other IBM Cognos BI server components are installed, additional configuration is required.

---

**Configuring IBM Cognos Statistics**

After IBM Cognos Statistics is installed, ensure that the **Statistics service enabled** property appears in the list of IBM Cognos services under the **Environment** category in IBM Cognos Configuration. This verifies that the statistics service is installed correctly.

Then, you can perform the required configuration tasks. For example, if you installed IBM Cognos Statistics on the same computer as other IBM Cognos BI components, you must restart the services using IBM Cognos Configuration to register the statistics service. You must also configure security to grant the appropriate user capabilities to the report authors who will be using the statistical functions.

**Configure IBM Cognos Statistics to Communicate with IBM Cognos BI Server Components**

If you installed IBM Cognos Statistics on a computer that is separate from other BI server components, you must use IBM Cognos Configuration to configure the statistics service to communicate with IBM Cognos BI server components.

If you installed IBM Cognos Statistics in the same location as other IBM Cognos BI server components, configuring environment properties for your installation is not required. However, you must restart the services in IBM Cognos Configuration to register and start the statistics service.

**Procedure**

1. On the computer where you installed IBM Cognos Statistics, start IBM Cognos Configuration.
2. In the **Explorer** window, click **Environment**.
3. Specify the value for the **External dispatcher URI**.
   The URI usually corresponds to the location of a dispatcher on a computer where the Application Tier components are installed.
4. If you installed more than one Content Manager, you must list all Content Manager URIs in the **Content Manager URI** value box.
5. In the **Explorer** window, under **Cryptography**, click **Cognos**, the default cryptographic provider.
6. Under the **Certificate Authority settings** property group, for the **Password** property, type the same password that you configured on the default active Content Manager computer.

7. From the **File** menu, click **Save**.

**Results**

IBM Cognos Statistics is configured to communicate with other components of IBM Cognos BI software. By default, the new statistics service, which runs under the IBM Cognos service configuration resource in IBM Cognos Configuration, is enabled.

**Start the IBM Cognos Service**

You must start the IBM Cognos services, including the statistics service to complete the installation.

**Before you begin**

If you installed IBM Cognos Statistics in the same location as other server components, ensure that the services on the Content Manager computer are running before you start the statistics service.

**Procedure**

1. In IBM Cognos Configuration, save your configuration.
2. Test the configuration.
   - From the **Actions** menu, click **Test**.
   - If **Test** is not available for selection, in the **Explorer** window, click **Local Configuration**, and then from the **Actions** menu, click **Test**.
3. If the test fails, reconfigure the affected properties and then test again.
4. From the **Actions** menu, click **Start**.
   - It may take a few minutes for the IBM Cognos service to start.
   - If you want to start a particular service, select the service node in the **Explorer** window and then click **Start** from the **Actions** menu.

**Use SPSS-supported Content Languages in IBM Cognos BI**

IBM Cognos Statistics is powered by IBM SPSS®. The Statistics output in Report Studio contains mainly SPSS-rendered output; however, it may also contain the IBM Cognos Business Intelligence (BI) output rendered by the report server (RSVP) or Custom Content Provider (CCP).

The language of the SPSS-rendered output is based on the SPSS locale setting OLANG, and the RSVP/CCP-rendered output is based on the IBM Cognos BI content language. Not all IBM Cognos content languages are supported by SPSS. Therefore, a locale map is used to associate the locales in both environments. English is the default for non-supported locales.

When IBM Cognos BI is configured to use a content language that is not supported by SPSS, IBM Cognos Statistics may produce output in mixed languages. To avoid that, set the content language in IBM Cognos BI to one of the following SPSS-supported languages:
   - English
Securing IBM Cognos Statistics

Administrators control access to different administration tasks and different functional areas of the user interface in IBM Cognos products, such as statistical functions in Report Studio.

Depending on the permissions for the secured functions and features, users, such as report authors, can access specific components and perform specific tasks in the IBM Cognos BI environment.

Add Members to the Statistics Authors Role

Using IBM Cognos Administration, add the appropriate report authors to the Statistics Authors role.

To administer users, groups, and roles, you must have execute permissions for the Users, Groups, and Roles secured feature, and traverse permissions for the Administration secured function. For more information, see the IBM Cognos Administration and Security Guide.

Procedure

1. In IBM Cognos Connection, from the Launch menu in the upper-right corner, click IBM Cognos Administration.
3. Click on the Cognos namespace.
4. In the Actions column, click the properties icon for the Statistics Authors role.
5. Click the Members tab.
6. To add members, click Add and do the following:
   - To choose from listed entries, click the appropriate namespace.
   - To search for entries, click the appropriate namespace and then click Search. In the Search string box, type the phrase you want to search for. For search options, click Edit. Find and click the entry that you want.
   - To type the name of entries that you want to add, click Type and type the names of groups, roles, or users using the following format, where a semicolon (;) separates each entry: namespace/group_name;namespace/role_name;namespace/user_name;
     Here is an example: Cognos/Authors;LDAP/scarter;
7. Click the right-arrow icon, and when the entries that you added appear in the 
Selected entries box, click OK.
   To remove entries from the Selected entries list, select them and click Remove.
   To select all entries in a list, click the check box in the upper-left corner of the
   list. To make the user entries visible, click Show users in the list.

8. Click OK.

9. Ensure that you remove the Everyone group from the Statistics Authors role to
   restrict access.
   The Statistics functionality in Report Studio is now visible.

Set Access to IBM Cognos Statistics Secured Functions and
Features
The administrator must secure statistical calculations that are available to report
authors in IBM Cognos Report Studio to ensure that only the required users,
groups, and roles have access.

Administrators can set up access to the secured functions and features using the
Capabilities page on the Security tab in IBM Cognos Administration.

You must have the required permissions to change the user, group, and role
capabilities.

Procedure
1. In IBM Cognos Connection, from the Launch menu in the upper-right corner,
click IBM Cognos Administration.
2. On the Security tab, click Capabilities.
   A list of available secured functions appears.
3. Next to the Statistics function, click the actions icon and click Set properties.
4. In the Set Properties - Statistics dialog box, click the Permissions tab, and
   choose whether to use the permissions of the parent entry or specify different
   permissions:
   • To use the permissions of the parent entry, clear the Override the access
     permissions acquired from the parent entry check box, and click OK.
   • To set access permissions explicitly for the entry, select the Override the
     access permissions acquired from the parent entry check box, and then
     perform the remaining steps.
5. If you want to remove an entry from the list, select the appropriate check box,
   and click Remove.
   Tip: To select or deselect all entries in a page, click Select all or Deselect all
   at the bottom of the list.
6. If you want to add new entries to the list, click Add and choose how to select
   entries:
   • To choose from listed entries, click the appropriate namespace, and then
     select the check boxes next to the users, groups, or roles.
   • To search for entries, click Search and in the Search string box, type the
     phrase that you want to search for. For search options, click Edit. Find and
     click the entry.
   • To type the name of entries that you want to add, click Type and type the
     names of groups, roles, or users using the following format, where a
     semicolon (;) separates each entry:
     namespace/group_name;namespace/role_name;namespace/user_name;
Here is an example: Cognos/Authors;LDAP/scarter;

7. Click the right-arrow icon and when the entries that you want to add appear in the Selected entries box, click OK.

8. Select the check box next to the entry for which you want to set access to the function or feature.

9. In the box next to the list, select the proper check boxes to grant execute permissions for the entry, and click Apply.
   In the Permissions column, an icon that denotes the execute permissions granted appears next to the namespace, user, group, or role.

10. Repeat steps 8 to 9 for each entry, and click OK.

**Test the Installation of IBM Cognos Statistics**

Test the installation of IBM Cognos Statistics to ensure that you can use the statistical functions in IBM Cognos Report Studio.

**Before you begin**

Ensure that you first test the startup configuration in IBM Cognos Configuration. By default, the statistics service is enabled.

**About this task**

Statistical functions are available to IBM Cognos Report Studio users if
- the statistics service is configured correctly and registered in Content Manager.
- the administrator granted the user the Statistics and Report Studio capabilities in IBM Cognos Administration.

**Procedure**

1. Open a web browser.
2. Type the following, where ibmcognos is the virtual directory that you created when you configured the web server:
   
   http://host_name:port/ibmcognos
   
   It may take a few minutes for the web page to open. If you see the Welcome page of IBM Cognos Connection, your IBM Cognos BI installation is working.

3. On the Welcome page, click Author advanced reports, or from the Launch menu, click IBM Cognos Report Studio.
   
   **Note:** Before you can use Report Studio, a package must be available.

4. Select a package.

5. Click Create a new report or template.
   
   You should see Statistics listed as a report object.
   
   If you do not see Statistics listed, ensure that the statistics service is enabled and started in IBM Cognos Configuration.
   
   You can start using the statistical functions available in Report Studio. To learn more about them, see the Report Studio online help.
Managing IBM Cognos Statistics

After IBM Cognos Statistics is installed and configured as part of the IBM Cognos BI environment, an administrator uses IBM Cognos Administration to monitor the performance and to administer the statistics service, similar to other services that run under a dispatcher.

The statistics service performs the statistical calculations and produces the statistical charts in reports.

For more information, see the IBM Cognos Business Intelligence Administration and Security Guide.

Uninstalling IBM Cognos Statistics

Uninstall the product if you no longer require IBM Cognos Statistics, or if you are upgrading.

Uninstall IBM Cognos Statistics on a UNIX or Linux Computer

You can uninstall the product on UNIX or Linux computer if it is no longer required.

Procedure
1. In IBM Cognos Configuration, click Actions > Stop the IBM Cognos service.
2. To uninstall IBM Cognos Statistics, go to the c10_location/uninstall directory and type ./uninst -u
3. Follow the prompts to complete the uninstallation.
4. When you are prompted to select the packages that you want to uninstall, select the check box for IBM Cognos Statistics, and then click Next.
5. Continue following the prompts to complete the uninstallation.
   - The Cognos_uninst_log.htm file records the activities that the Uninstall wizard performs while uninstalling files.
   - Tip: To find the log file, look in the Temp directory.
6. Delete all temporary Internet files.
   - For more information, see your web browser documentation.
   - Uninstalling does not remove any files that changed since the installation, such as configuration and user data files. Your installation location remains on your computer, and you retain these files until you delete them manually.

Uninstall IBM Cognos Statistics on a Microsoft Windows operating system

You can uninstall the product on a Microsoft Windows operating system if it is no longer required.

Procedure
1. From the Start menu, click Programs, IBM Cognos 10, Uninstall IBM Cognos.
   - The Uninstall wizard appears.
   - Tip: IBM Cognos is the default name of the Program Folder that is created during the installation. If you chose another name, go to that folder to find the program.
2. Follow the prompts to begin the uninstallation.
3. When you are prompted to select the packages that you want to uninstall, select the check box for **IBM Cognos Statistics**, and then click **Next**.

4. Continue following the prompts to complete the uninstallation.
   The Cognos_uninst_log.htm file records the activities that the Uninstall wizard performs while uninstalling files.
   **Tip:** To find the log file, look in the Temp directory.

5. Delete all temporary Internet files.
   For more information, see your web browser documentation.
   Uninstalling does not remove any files that changed since the installation, such as configuration and user data files. Your installation location remains on your computer, and you retain these files until you delete them manually.
Chapter 3. Setting up the Samples for IBM Cognos Statistics

You can use the sample data to learn how to create statistical calculations and charts in IBM Cognos Report Studio, and to learn some basic techniques to identify hidden trends and patterns in the data. You can safely use the samples instead of accessing corporate data.

The statistical functionality shown in the samples is highly sensitive to the right type of data, and it answers a specific statistical question. You must know which functions are appropriate for the data sets to ensure that the results are valid.

For more information about the samples, see the Report Studio User Guide and online help.

Before you can use the samples, IBM Cognos Business Intelligence, including Framework Manager and IBM Cognos Statistics, must be installed, configured, and running.

Sample Database Models

The statistical samples are based on the following sample database models:

- statistics.cpf
  This model refers to the CSTATD sample database that contains the sample statistical data. This model is available in the c10_location\webcontent\samples\models\statistics directory.

- great_outdoors_warehouse.cpf
  This model refers to the GOSALESDW database that contains sample data that other IBM Cognos products use. Some of the statistical reports reference data from this database.
  This model is available in the c10_location\webcontent\samples\models\great_outdoors_warehouse directory.

For more information about the GOSALESDW sample database, see relevant sections in the IBM Cognos Administration and Security Guide, or the IBM Cognos Business Intelligence Installation and Configuration Guide.

Installation of Statistics Samples

The IBM Cognos BI samples illustrate product features and technical and business best practices. You can also use them for experimenting with report design techniques, and for troubleshooting.

After you install the IBM Cognos BI Samples, the sample database for IBM Cognos Statistics is available in the following location: c10_location\webcontent\samples\datasources\database_type.

Install the IBM Cognos BI Samples on a UNIX or Linux Computer

Samples for IBM Cognos Statistics are available on the IBM Cognos Business Intelligence Samples disk.
About this task

The IBM Cognos BI samples illustrate product features and technical and business best practices. You can also use them for experimenting with report design techniques, and for troubleshooting.

Procedure

1. Install the samples on the gateway computer and in the same location as the gateway component.
   Install in a directory that contains only ASCII characters in the path name.
   Some servers do not support non-ASCII characters in directory names.

2. Mount the IBM Cognos product disk using Rock Ridge file extensions or go to the location where the installation files were downloaded.
   To mount the IBM Cognos disk on HP-UX, do the following:
   • Add the pfs_mount directory in your path.
     For example,
     ```
     PATH=/usr/sbin/:$PATH
     export PATH
     ```
   • To start the required NFS daemons and run the daemons in the background,
     type `bg pfs_mountd` and then type `bg pfstd`
   • To mount the drive, type
     ```
     pfs_mount -t rrip <device><mount_dir> -o xlat=unix
     ```
     For example, type
     ```
     pfs_mount /dev/dsk/c0t2d0 /cdrom -o xlat=unix
     ```
     You can now install or copy files as a non-root user using an IBM Cognos disk from this drive.
   • When the installation is complete, type `pfs_umount /cdrom` and kill the pfstd and pfs_mountd daemons to unmount the disk.

3. To start the installation wizard, go to the operating system directory and type
   ```
   ./issetup
   ```
   Note: When you use the issetup command with XWindows, Japanese characters in messages and log files may be corrupted. When installing in Japanese on UNIX, first set environment variables LANG=C and LC_ALL=C (where C is the language code, for example ja_JP.PCK on Solaris), and then run an unattended installation.

4. Follow the directions in the installation wizard and copy the required files to your computer.
   Install the samples in the same location as the gateway component.

5. In the Finish page of the installation wizard, click Finish.

Install the IBM Cognos BI samples on a Microsoft Windows operating system

Samples for IBM Cognos Statistics are available on the IBM Cognos Business Intelligence Samples disk.

About this task

The IBM Cognos BI samples illustrate product features and technical and business best practices. You can also use them for experimenting with report design techniques, and for troubleshooting.
Procedure

1. Insert the Samples disk or go to the location where the installation files were
downloaded and extracted.
   The Welcome page of the installation wizard appears.
2. If no Welcome page appears, go to the operating system directory, and
double-click the issetup.exe file.
3. Select the language to use for the installation.
   The language that you select determines the language of the user interface. You
can change the language to any of the installed languages after installation.
4. Follow the directions in the installation wizard to copy the required files to
your computer.
   Install the samples in the same location as the server components.
5. In the Finish page of the installation wizard, click Finish.
6. Click Finish.
   Use the Microsoft Windows Start menu to start IBM Cognos Configuration
from the shortcut folder.

Restoration of the Samples Databases

To use the samples, you must restore backup files for the samples databases. This
action re-creates multilingual versions of the samples database.

You must restore the CSTATD and GOSALES DW samples databases.

For information about the GOSALES DW samples database, see the samples section
in the IBM Cognos Administration and Security Guide, or the IBM Cognos Business
Intelligence Installation and Configuration Guide.

Restore the DB2 Samples Database

To use the DB2® samples database, you must restore the CSTATD.tar.gz files.

Procedure

1. Use the UTF-8 character set on the Microsoft Windows computer that is the
   DB2 client to see reports in multiple languages.
   Tip: You must set the DB2CODEPAGE environment variable to a value of 1208.
2. Create a database named CSTATD that uses the UTF-8 character set.
   Set the DB2CODEPAGE environment variable to a value of 1208.
3. Create a buffer pool with a page size of 16 KB and specify a regular tablespace
   for it.
4. On the computer where the IBM Cognos samples are installed, go to the db2
directory located in c10_location/webcontent/samples/datasources and locate
the CSTATD.tar.gz file.
5. Extract the DB2 move file using either the gnutar -xvf DB2_move_filename or
tar -xvf DB2_move_filename command.
6. Go to the CSTATD directory.
7. Use the DB2 move command to restore the CSTATD database.
   For example, type db2move CSTATD import -u username -p password
   When restoring the database, ensure that you have sufficient disk space
   available in the target location.
8. Create or use existing users with select privileges for the tables in the database.
What to do next
You must also restore the GOSALESDW samples databases.

For information about the GOSALESDW samples database, see the samples section in the IBM Cognos Administration and Security Guide, or the IBM Cognos Business Intelligence Installation and Configuration Guide.

Restore the Oracle Samples Database
To use the Oracle samples database, you must restore the CSTATD.DMP.gz files.

Procedure
1. Use the UTF-8 character set on the Windows computer that is the Oracle client to see reports in multiple languages.
   Tip: You must set the NLS_LANG environment variable to a value that is specific to a region. For example, set NLS_LANG for Americas to American_America.UTF8.
2. On the computer where the IBM Cognos samples are installed, go to the oracle directory located in `c10_location/webcontent/samples/datasources` and locate the CSTATD dmp.gz file.
3. Extract the file and copy the extracted dmp file to the computer where Oracle is installed.
4. In your Oracle instance, create a 50 MB tablespace for the dmp file.
5. Create a user named CSTATD.
The user name you use will create a schema of the same name (CSTATD) for the dmp file.
6. Add the DBA role for the user.
7. Import the dmp file to the tablespace.
   On the computer where Oracle is installed, use the following command to import the database content:
   `imp user/password@instance`
   For example, if you created a CSTATD user with a password of CSTATD and your database instance is named COG_SAMPLES, the command would look like:
   `imp CSTATD/CSTATD@COG_SAMPLES`
8. When prompted, type the name of dmp file that you are importing. For example, CSTATD.dmp
9. Ensure that you type Yes when you are prompted to import the entire export file.
   You can accept the defaults for the other prompts.

What to do next
You must also restore the GOSALESDW samples databases.

For information about the GOSALESDW samples database, see the samples section in the IBM Cognos Administration and Security Guide, or the IBM Cognos Business Intelligence Installation and Configuration Guide.
**Restore the Microsoft SQL Server Database**

To use the Microsoft SQL Server samples database, you must restore the CSTATD.zip files.

**Procedure**

1. On the computer where the IBM Cognos BI samples are installed, go to the following location: `c10_location/webcontent/samples/datasources/sqlserver/CSTATD.zip`.
2. If required, copy the backup files for the samples databases to the Microsoft SQL Server database backup directory.
3. Restore the database using the database management tool.
   - **Tip:** Restore the database from a device, and ensure that the restore locations are correct for the .ldf and .mdf database files. For more information, see the Microsoft SQL Server documentation.
4. Create at least one user who has select permissions for all the tables in the restored databases.

**What to do next**

You must also restore the GOSALESDW samples databases.

For information about the GOSALESDW samples database, see the samples section in the IBM Cognos Administration and Security Guide, or the IBM Cognos Business Intelligence Installation and Configuration Guide.

---

**Create a Data Source Connection to the Samples Databases**

You must create a data source connection to the IBM Cognos Statistics sample database that you restored. IBM Cognos BI uses this information to connect to the database and run the sample reports or use the sample package.

You must create connections to the following sample databases:

- **CSTATD**
  - This is the Statistics sample database.
- **GOSALESDW**
  - This database contains sample data that other IBM Cognos products use. For more information, see the samples information in the IBM Cognos Administration and Security Guide, or the IBM Cognos Business Intelligence Installation and Configuration Guide.

**Before you begin**

Before you create the data source connections, you must:

- Restore the backup file for the samples database.
- Ensure that you have execute permissions for the Data Source Connections secured feature, and traverse permissions for the Administration secured function.
- Ensure that you have set up your database client to access the database instance where you have restored the samples.
**Procedure**

1. Log on to IBM Cognos Connection by clicking **Administer IBM Cognos Content** in the **Welcome** page.
2. Click the **Configuration** tab.
3. Click the new data source icon.
4. In the **Name** box, type **statistics**, and then click **Next**.
5. In the connection page, from the **Type** list, click the required type of database, select an isolation level, and then click **Next**.
   - The connection string page for the selected database appears.
   - **Tip:** The user specified must have select privileges on the tables in the CSTATD schema.
6. Do one of the following:
   - If you restored the samples databases in Microsoft SQL Server, in the **Server Name** box, type the name of the server where the restored databases are located. In the **Database name** box, type **CSTATD**.
     - IBM Cognos BI samples require TCP/IP connectivity with Microsoft SQL Server. Ensure the SQL Server Security is set to SQL Server and Windows, instead of Windows Only. The samples use SQL Server security for authentication.
   - If you restored the samples databases in Oracle, in the **SQL*Net connect string** box, type the Oracle connection string.
   - If you restored the samples database in DB2, in the **DB2 database name** box, type **CSTATD** using uppercase letters. In the **DB2 connect string** box, type the DB2 connection string.
7. Under **Signons**, select the both **Password** and **Create a signon that the Everyone group can use** check boxes, type the user ID and password for the user that you created when you restored the databases, and then click **Finish**.
   - **Tip:** To test whether the parameters are correct, click **Test the connection**.
8. Click **Finish**.

---

**Import the Samples Content**

To use the sample packages and other content, you must import them from the sample deployment archive. Reports that show insight into the distribution and shape of data, statistical process control charts, and data analysis and testing, are available when you deploy the samples.

The deployment archive that contains the statistical data is available in the following location: `c10_location/webcontent/samples/content/IBM_Cognos_Statistics.zip`. This archive contains all packages that are required for the statistical samples.

**Before you begin**

Before you import the deployment archives, you must:
- Restore the sample database
- Create one or more named users with select permissions for the database tables.
- Create a data source connection to the sample database.
Procedure
1. Copy the IBM_Cognos_Statistics.zip file from the \c10_location\webcontent\samples\content directory to the directory where your deployment archives are saved.
   The default location is \c10_location\deployment. The location is set in IBM Cognos Configuration. For information about changing the location, see the configuration tool online help.
2. Open IBM Cognos Administration by connecting to the IBM Cognos BI portal and clicking **Administer IBM Cognos Content** on the **Welcome** page.
3. On the **Configuration** tab, click **Content Administration**.
   **Important**: To access this area in IBM Cognos Administration, you must have execute permissions for the Administration tasks secured feature.
4. On the toolbar, click the new import icon.
   The **New Import** wizard appears.
5. In the **Deployment Archive** box, select **IBM_Cognos_Statistics**, and click **Next**.
6. Type a unique name, and an optional description and a screen tip for the deployment archive, select the folder where you want to save it, and then click **Next**.
7. In the **Public Folders Content** box, select the packages and folders that you want to import.
8. Select the options you want, and your conflict resolution choice for options that you select, and then click **Next**.
9. In the **Specify the general options** page, select whether to include access permissions and references to external namespaces, and who should own the entries after they are imported, and then click **Next**.
10. Review the summary information, and click **Next**.
11. Select the action that you want:
   - To run once now or later, click **Save and run once**. Click **Finish**, specify the time and date for the run, then click **Run**. Review the run time and click **OK**.
   - To schedule at a recurring time, click **Save and schedule**. Click **Finish**, and then select frequency and start and end dates. Click **OK**.
     **Tip**: To temporarily disable the schedule, select the **Disable the schedule** check box.
   - To save without scheduling or running, click **Save only** and click **Finish**.
12. When the import is submitted, click **Finish**.

Results
You can now use the sample packages to create statistical reports and charts in Report Studio. You can also run the sample reports that are available on the Public Folders tab in the portal.
Appendix. Accessibility features

Accessibility features help users who have a physical disability, such as restricted mobility or limited vision, to use information technology products.

See the IBM Accessibility Center (http://www.ibm.com/able) for more information about the commitment that IBM has to accessibility.

Keyboard Shortcuts for the Installation Wizard

Keyboard shortcuts, or shortcut keys, provide you with an easier and often faster method of navigating and using software.

The installation wizard uses standard Microsoft Windows operating system navigation keys in addition to application-specific keys.

**Note:** The following keyboard shortcuts are based on US standard keyboards.

The following table lists the keyboard shortcuts that you can use to perform some of the main tasks in the installation wizard on the Windows operating system.

*Table 2. List of keyboard shortcuts on a Windows operating system*

<table>
<thead>
<tr>
<th>To do this</th>
<th>Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move to the next field on a page</td>
<td>Tab</td>
</tr>
<tr>
<td>Return to the previous field on a page</td>
<td>Shift+Tab</td>
</tr>
<tr>
<td>Close the installation wizard</td>
<td>Alt+F4</td>
</tr>
<tr>
<td>Move to the next configuration step</td>
<td>Alt+N</td>
</tr>
<tr>
<td>Return to the previous configuration step</td>
<td>Alt+B</td>
</tr>
<tr>
<td>Move to the next selection in a list</td>
<td>Down arrow</td>
</tr>
<tr>
<td>Move to the previous selection in a list</td>
<td>Up arrow</td>
</tr>
</tbody>
</table>

The following table lists the keyboard shortcuts you can use to perform some of the main tasks in the installation wizard on the UNIX or Linux operating system.

*Table 3. List of keyboard shortcuts on a UNIX or Linux operating system*

<table>
<thead>
<tr>
<th>To do this</th>
<th>Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>Move to the next field on a page</td>
<td>Tab</td>
</tr>
<tr>
<td>Return to the previous field on a page</td>
<td>Shift+Tab</td>
</tr>
<tr>
<td>Close the installation wizard</td>
<td>Alt+F4</td>
</tr>
<tr>
<td>Move to the next selection in a list</td>
<td>Down arrow</td>
</tr>
<tr>
<td>Move to the previous selection in a list</td>
<td>Up arrow</td>
</tr>
</tbody>
</table>

The following table lists the keyboard shortcuts you can use to perform some of the main tasks in the License Agreement page of the installation wizard.
Table 4. List of keyboard shortcuts on the License Agreement page

<table>
<thead>
<tr>
<th>To do this</th>
<th>Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accept the license agreement</td>
<td>Alt+A</td>
</tr>
<tr>
<td>Decline the license agreement</td>
<td>Alt+D</td>
</tr>
<tr>
<td>Quit the installation wizard</td>
<td>Alt+x</td>
</tr>
</tbody>
</table>

The following table lists the keyboard shortcuts you can use to perform some of the main tasks in IBM Cognos Configuration on a Windows operating system.

Table 5. List of keyboard shortcuts for IBM Cognos Configuration on a Windows operating system

<table>
<thead>
<tr>
<th>To do this</th>
<th>Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>Save the current configuration</td>
<td>Crtl+S</td>
</tr>
<tr>
<td>Close IBM Cognos Configuration</td>
<td>Alt+F4</td>
</tr>
<tr>
<td>Rename the selected item</td>
<td>F2</td>
</tr>
<tr>
<td>Display the File menu</td>
<td>Alt+F</td>
</tr>
<tr>
<td>Display the Edit menu</td>
<td>Alt+E</td>
</tr>
<tr>
<td>Display the View menu</td>
<td>Alt+V</td>
</tr>
<tr>
<td>Display the Actions menu</td>
<td>Alt+A</td>
</tr>
<tr>
<td>Display the Help menu</td>
<td>Alt+H</td>
</tr>
</tbody>
</table>

The following table lists the keyboard shortcuts you can use to perform some of the main tasks in IBM Cognos Configuration on a UNIX or Linux operating system.

Table 6. List of keyboard shortcuts for IBM Cognos Configuration on a UNIX or Linux operating system

<table>
<thead>
<tr>
<th>To do this</th>
<th>Press</th>
</tr>
</thead>
<tbody>
<tr>
<td>Save the current configuration</td>
<td>Crtl+S</td>
</tr>
<tr>
<td>Close IBM Cognos Configuration</td>
<td>Alt+F4</td>
</tr>
<tr>
<td>Rename the selected item</td>
<td>F2</td>
</tr>
</tbody>
</table>
Notices

This information was developed for products and services offered worldwide.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service. This document may describe products, services, or features that are not included in the Program or license entitlement that you have purchased.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk, NY 10504-1785
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

Intellectual Property Licensing
Legal and Intellectual Property Law
IBM Japan Ltd.
1623-14, Shimotsuruma, Yamato-shi
Kanagawa 242-8502 Japan

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.
IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Software Group
Attention: Licensing
3755 Riverside Dr
Ottawa, ON K1V 1B7
Canada

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Any performance data contained herein was determined in a controlled environment. Therefore, the results obtained in other operating environments may vary significantly. Some measurements may have been made on development-level systems and there is no guarantee that these measurements will be the same on generally available systems. Furthermore, some measurements may have been estimated through extrapolation. Actual results may vary. Users of this document should verify the applicable data for their specific environment.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.
IBM, the IBM logo, ibm.com, and Cognos are trademarks or registered trademarks of International Business Machines Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available on the Web at “Copyright and trademark information” at www.ibm.com/legal/copytrade.shtml.

The following terms are trademarks or registered trademarks of other companies:

- Adobe, the Adobe logo, PostScript, and the PostScript logo are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States, and/or other countries.
- Microsoft, Windows, Windows NT, and the Windows logo are trademarks of Microsoft Corporation in the United States, other countries, or both.
- Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.
- UNIX is a registered trademark of The Open Group in the United States and other countries.
- Java and all Java-based trademarks and logos are trademarks or registered trademarks of Oracle and/or its affiliates.
Index

A
access control 9
security v
accessibility features v 23
Active scripting 4
ActiveX controls 4
audience v
authors
  adding members 9

C
configuration
  testing 11
configuring
  distributed installations 7
  IBM Cognos Statistics 7
content languages
  setting in IBM Cognos BI 8
cookies 4

D
data sources
  connections to samples databases 19
disabling
  content maintenance job 20
disk space
  system requirements 3
distributed installations
  configuring 7

F
finding information v

H
hardware
  system requirements 3

I
IBM Cognos Statistics
  configuring 7
importing
  samples 20
installation
  options 2
  process 1
  testing 11
installing
  Linux 5
  Microsoft Windows operating system 6
samples on a Microsoft Windows operating system 16
samples on Linux 16
samples on UNIX 16
UNIX 5

J
JavaScript 4

K
keyboard shortcuts 23

L
Linux
  installing 5
  uninstalling 12
Microsoft Windows operating system
  installing 6
models
  samples 15, 20

O
operating systems
  supported versions 3

P
packages
  samples 15
preinstallation task
  installing IBM Cognos BI software 1
preinstallation tasks 1
products
  supported versions 3

R
release notes
  reviewing before you install 1
reports
  samples 15
restoring
  DB2 samples databases 17
  Microsoft SQL Server samples databases 19
  Oracle samples databases 18
  samples databases 17
reviewing the release notes before you install 1

S
samples 15
data source connections 19
disclaimer v
importing 20
installing on Linux 16
installing on Microsoft Windows operating system 16
installing on UNIX 16

© Copyright IBM Corp. 2010, 2012
samples (continued)
  restoring DB2 samples databases  17
  restoring Microsoft SQL Server samples databases  19
  restoring Oracle samples databases  18
  restoring samples databases  17
security
  adding members to the statistics author role  9
  controlling access  9
  setting access to secured functions and features  10
shortcut keys  23
software requirements
  supported product versions  3
statistics service
  administering  12
  starting  8
supported environments  3
system requirements  3

T
  testing
    installation  11

U
  uninstalling
    Linux  12
    UNIX  12
    Windows  12
    UNIX
      installing  5
      uninstalling  12

V
  virtualization
    supported environments  3

W
  web browsers
    settings  4
    Windows
      uninstalling  12