



Upgrading from Call Center Reporting to Reporting for Call Center

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Issue 1 (1)

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Change History

Issue 01 (01) – 15-Dec-2003

1. Original Release.

How to use this guide

1

Introduction

This guide is designed to guide you through the process of upgrading an installation of Nortel Networks Call Center Reporting 2.5/3.0/3.5 to Nortel Networks Reporting for Call Center.

This chapter tells you what to expect as you read this guide and how information in this guide is presented.

How this guide is organized

The *Upgrading from Call Center Reporting to Reporting for Call Center* guide is organized according to the following chapters:

How to use this guide	Provides a brief overview identifying the organization of this guide.
Introduction	Gives a foundation to the understanding of the upgrade process and what is involved. Describes some differences between the old architecture products and the new architecture. Answers some questions you may have about the upgrade process.
Installation	Describes how to Install Nortel Networks Reporting for Call Center.
Configuration	Describes how to configure Nortel Networks Reporting for Call Center to the point where you can verify that the installation was successful, and that the Verification stage can be undertaken to confirm that communication has been established with the Call Center.
Verification	Describes how to verify that Nortel Networks Reporting for Call Center is communicating correctly with the Call Center.
References	Lists any other documents referenced from within the body of this document.

Introduction

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Introduction

New! Brand New Product Architecture

Nortel Networks Reporting for Call Center has undergone several major changes from previous versions of Nortel Networks Call Center Reporting 2.5/3.0/3.5. Listed below are some main points of difference between the new architecture and the old.

For a full description of the new features of Nortel Networks Reporting for Call Center refer to the Set Up and Operations Guide.

New! Browser Based Interface

Nortel Networks Reporting for Call Center is a new reporting tool for the Call Center in the BCM 3.6 release. It has a browser based interface, visually similar to the Call Pilot Manager. It is accessed from an Internet Explorer browser session in the same fashion as the Call Pilot Manager interface.

New! Web Host PC software

Nortel Networks Reporting for Call Center has a single software installation onto one PC. This PC is the Web Host PC, which acts in a similar fashion to the 'Master' PC in the old Nortel Networks Call Center Reporting 2.5/3.0/3.5 streams.

The Web Host PC stores the historical statistical databases. It communicates with the Call Center in order to obtain the historical statistical information and Real Time screen information.

The wallboards are also driven from the Web Host PC.

New! There is No 'Multiple Client' software to install

In the Nortel Networks Reporting for Call Center streams the customer had to install 'Multiple Client' software onto other PCs in order to view the Real Time screens or Reports from those PCs.

With Nortel Networks Reporting for Call Center the users of those other PCs use Internet Explorer to browse back to the Web Host PC in order to access the Real Time screens and Reports.

There is no longer any 'Client' software required for the those other PCs.

New! There is No 'Upload of Call Center Configuration'

In the Nortel Networks Call Center Reporting 2.5/3.0/3.5 streams the customer had to upload the Call Center configuration in order to see the Agent,, Line and Skillset names in the Reports and

Real Time screens. If they ever changed the Call Center configuration they had to remember to perform the Configuration Upload step again.

Nortel Networks Reporting for Call Center automatically obtains the information it needs for the Real Time screens and Reports from the Call Center, and does not need to store a copy of the Call Center configuration.

Because of this there is no 'Upload Configuration' step required in the configuration and maintenance of the Nortel Networks Reporting for Call Center software.

Can the old Master PC be used as the Web Host PC?

If the PC hardware and Operating System meet the minimum specifications, then the answer is 'Yes'. See the section **Can the new software co-reside with the old software**, below.

Do I have to remove the old Nortel Networks Call Center Reporting 2.5, 3.0 or 3.5 software?

No, but you can if it is no longer needed. See the section **Can the new software co-reside with the old software**, below.

Can the new software co-reside with the old software?

None of the Nortel Networks Call Center Reporting 2.5/3.0/3.5 software is required for the operation of the new Nortel Networks Reporting for Call Center software.

However, the customer may wish to retain the Nortel Networks Call Center Reporting 2.5/3.0/3.5 software in order to allow them to review the historical reports that were gathered with their old system.

Leaving the Nortel Networks Call Center Reporting 2.5/3.0/3.5 Master or Multiple Client software on the PC which is going to be used as the Web Host PC will not affect the operation of Nortel Networks Reporting for Call Center.

The two different applications can co-reside on the same PC with no interaction.

That is, installing Nortel Networks Reporting for Call Center onto a PC on which Nortel Networks Call Center Reporting 2.5/3.0/3.5 is already installed will not cause either of the applications a problem in running.

Note If the Nortel Networks Call Center Reporting 2.5/3.0/3.5 software was configured to drive any IP wallboards that are going to be driven by Nortel Networks Reporting for Call Center, remember to take them out of the Nortel Networks Call Center Reporting 2.5/3.0/3.5 configurations, otherwise both sets of software will try to drive the wallboards, which will result in the wallboard display flashing back and forth between the two sets of data being sent to it by the two different applications.

Note The hardware used as the Master PC for the Nortel Networks Call Center Reporting 2.5/3.0/3.5 software might not be of sufficient specification to support the Nortel Networks Reporting for Call Center software. See the list of requirements below.

Minimum PC and Operating System Requirements

Computer Platform Family

IBM™ Compatible PC

Microprocessor

Intel® Pentium™ III (or equivalent) minimum, Intel® Pentium™ IV (or equivalent) recommended.

Microprocessor Speed

400 MHz minimum, 1.0 GHz recommended

Memory

64 MB minimum, 128 MB recommended

Networking Components

Network Interface Card

TCP/IP protocol

Other Requirements

SVGA display

Mouse (or other Windows® compatible Pointing Device)

Microsoft Internet Explorer version 5 or higher

Operating Systems

Microsoft Windows NT 4 Service Pack 6a

Microsoft Windows 2000 Service SP2

Microsoft Windows XP Professional

Web Server

Microsoft Internet Information Services 4 or higher

Hard Disk Space Required

For installation of application on Web Server: 20 MB

Storage space required for Historical Data: (approx) 256 bytes per call.

Operating System Compatibility

Nortel Networks Reporting for Call Center has been verified for correct operation on the following Operating Systems:

Operating System	Version
<hr/>	
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Windows NT	4.00.1381
Windows 2000	5.00.2195
Windows XP Professional	Version 2002

Installation

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Introduction


This chapter describes the installation prerequisites and how to install the Nortel Networks Reporting for Call Center software on the Windows Personal Computer you wish to use as the Web Host PC. The Web Host PC is the one which will communicate with Nortel Networks Call Center. The Web Host PC also stores the Call Center statistical database and the Nortel Networks Reporting for Call Center user interface, which is configured as a web site.

Other network users can use Internet Explorer to browse to the Nortel Networks Reporting for Call Center web site on the Web Host PC to access the software features and obtain Real Time displays and Reports.


Installation prerequisites

Before you install Nortel Networks Reporting for Call Center software, you must:

1. Be familiar with the Call Center and the Windows™ operating system used by your Web Host PC
2. Ensure that the Call Center is installed and configured.
3. Ensure that the Call Center platform is connected to, and is operational on, the network to which the Nortel Networks Reporting for Call Center Web Host PC is connected.
4. Ensure that Microsoft Internet Information Services is installed and operational on the Web Host PC

	It is recommended that you ensure that you have made your Web Host PC Internet Information Services installation as secure as possible. Generally this involves loading security patches and/or service packs for Internet Information Services and for the operating system of the Web Host PC. These are made available free of charge by Microsoft. Contact your network Administrator for further advice.
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Now you are ready to install the Nortel Networks Reporting for Call Center software from the Call Center platform.

	You must have Administrator's rights for the installation to be successful. If you do not have Administrator's rights for the PC on which you wish to install Nortel Networks Reporting for Call Center, the installation will be halted and you will be requested to log out and log back in with Administrator's rights.
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Installing Nortel Networks Reporting for Call Center software

By default, Nortel Networks Reporting for Call Center software creates a folder called **\Program Files\Nortel Networks\Nortel Networks Reporting for Call Center** on the installation drive of the Web Host PC. This folder contains the application files used by Nortel Networks Reporting for Call Center. It also contains the Nortel Networks Reporting for Call Center configuration and statistical database.

Note: Before Nortel Networks Reporting for Call Center will operate correctly, you must enable the Call Center Reporting Software Keycode. For Software Keycode information, refer to the *Software Keycode Installation Guide*.

TCP/IP Protocol

The Call Center platform and Nortel Networks Reporting for Call Center use the industry standard TCP/IP protocol for communication between the Call Center and the Nortel Networks Reporting for Call Center Web Host PC. This means the Windows Network component is required for the Nortel Networks Reporting for Call Center Web Host PC.

The Nortel Networks Reporting for Call Center installation process does not install the Windows Network component. For instructions on installing the Windows Networking component, refer to your network or Windows documentation.

Checking whether the Windows Networking Component Is Installed


To check that the Windows Network component is set up properly on a PC in order for it to operate as a Web Host PC, the following steps must be performed:


Note: If your company has a network administrator, check with your administrator before changing any network configuration parameters.

1. Start the Windows system on the PC that will have the Nortel Networks Reporting for Call Center application installed.
2. On the Windows taskbar, click **Start**, point to **Settings** and then click **Control Panel**. The **Control Panel** window appears.

(If you are using the Windows 2000 operating system, double click instead on **Networking and Dial-up Connections**. The **Networking and Dial-up Connections** window appears)

(If you are using the Windows XP operating system, point to **Start**, **Connect to** and then click on instead on **Show All Connections**. The **Networking Connections** window appears)

3. Double click on the **Network**  icon. The **Network** window appears with the **Configuration** tab displayed.

(If you are using the Windows 2000 or Windows XP operating system, right click on the **Local Area**  **Connection** icon and then click on **Properties**.)

4. Check that TCP/IP appears on the list of installed network components. If TCP/IP is not on the list, click **Add** to install this protocol using the Windows installation instructions, or refer to your network administrator.

Installing Nortel Networks Reporting for Call Center

Exit any Windows programs that are running.

Start your internet Browser (such as Internet Explorer or Netscape), and use it to connect to Port 6800 on the Business Communications Manager. Do this by entering into the browser Address Bar the IP Address of the Business Communications Manager and the Port number, in the following format: <http://10.10.10.1:6800>. (Remember to substitute the IP Address of *your* Business Communications Manager for the 10.10.10.1 shown in the example above.)

Nortel Networks Unified Manager page will appear in the browser.

Click on the **Install Clients** link.

The **Install Clients** page will appear in the browser.

Click on the Nortel Networks Reporting for Call Center link. Information on the Nortel Networks Reporting for Call Center application will appear in the browser window. (You may need to scroll down through the page to see the button which install the application.)

Click on the Nortel Networks Reporting for Call Center button.

A dialog will appear from which you can select to either **Run this program from its current location** or **Save this program to disk**. The default option is **Save this program to disk**. Click on **OK**.

The following dialog box will appear. Please wait.

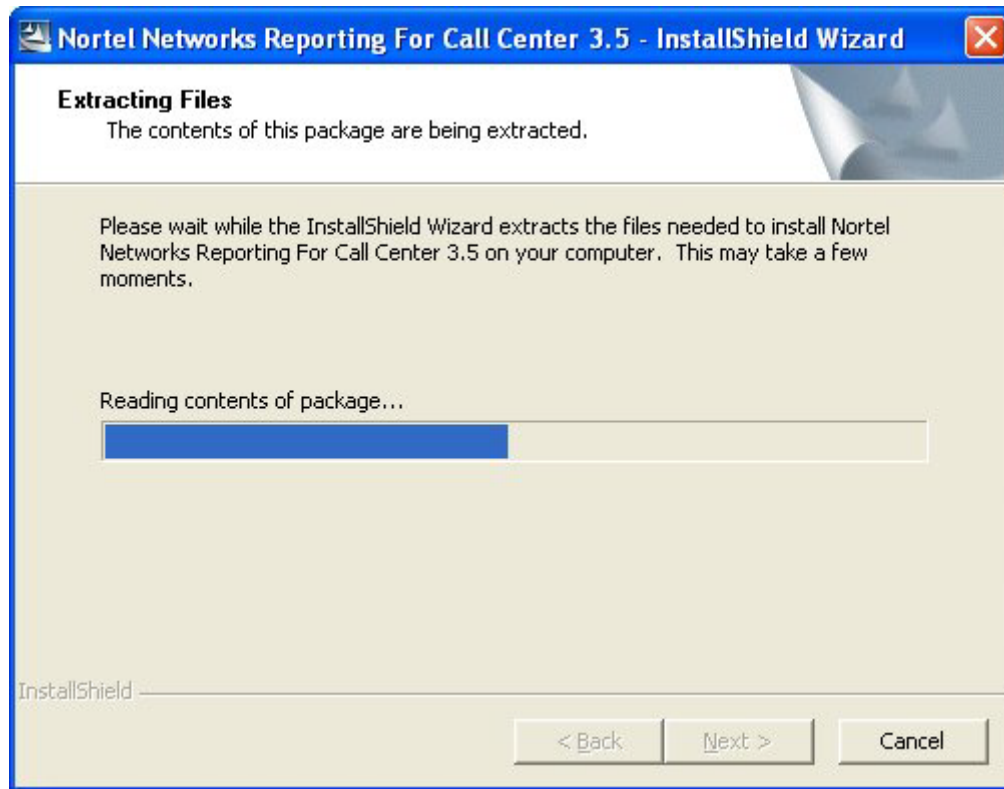


Figure 1: InstallShield Initialization Dialog

The Extracting Files dialog shown in Figure 1 prepares the installation files required to install the Nortel Networks Reporting for Call Center files on the Web Host PC.

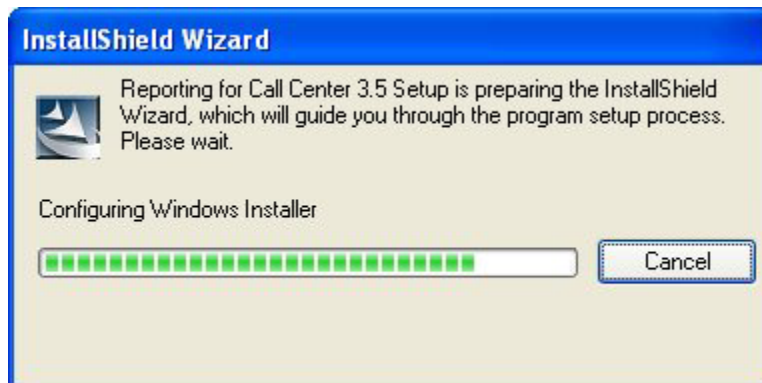


Figure 2: InstallShield Windows Installer Configuration Dialog

The dialog shown in Figure 2 prepares the Wizard which is required to install the Nortel Networks Reporting for Call Center files on the Web Host PC.

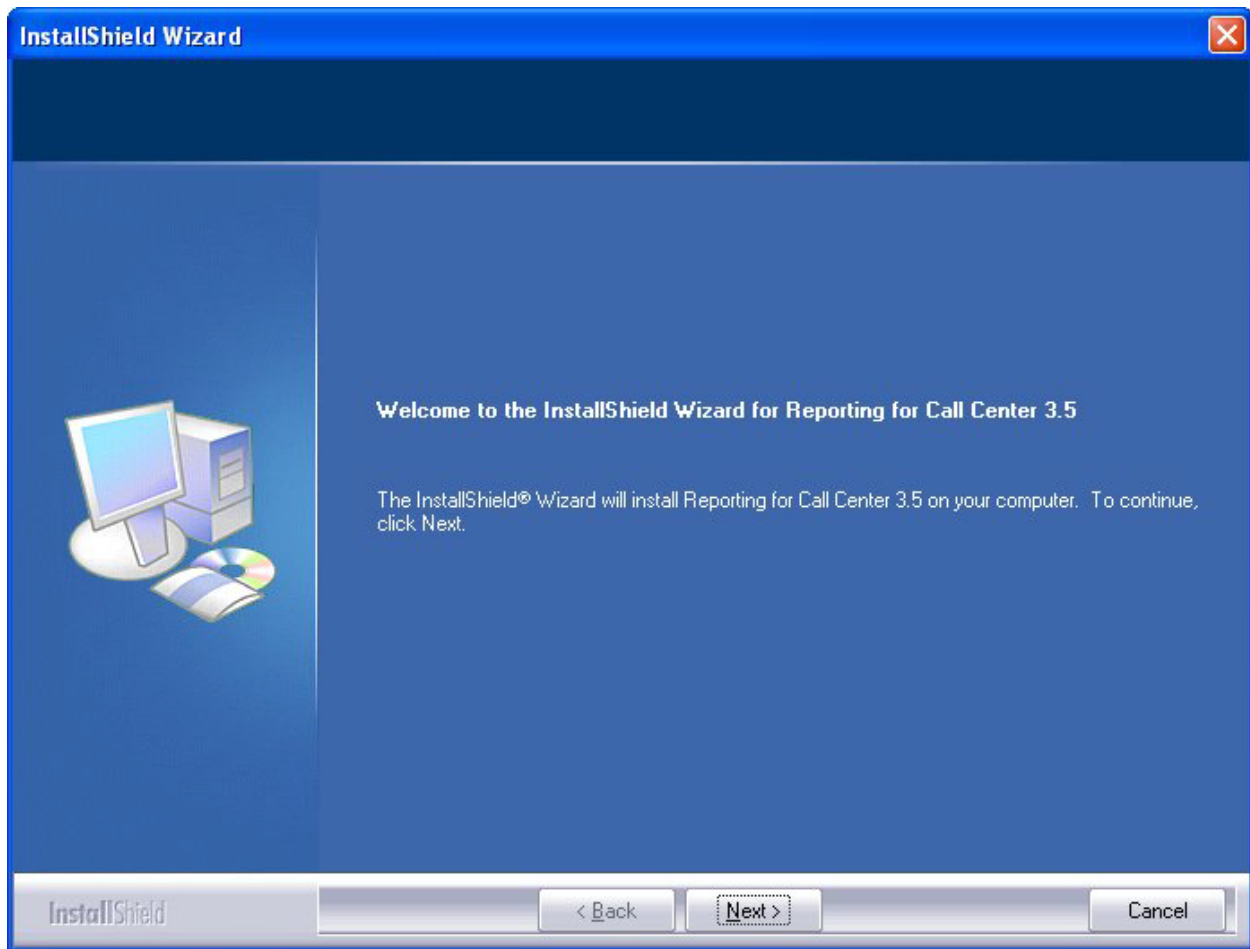


Figure 3: InstallShield Wizard Start Dialog

The dialog shown in Figure 3 is the Welcome dialog. If you wish to cancel the installation procedure, click on the Cancel button. To proceed, click on the Next button.

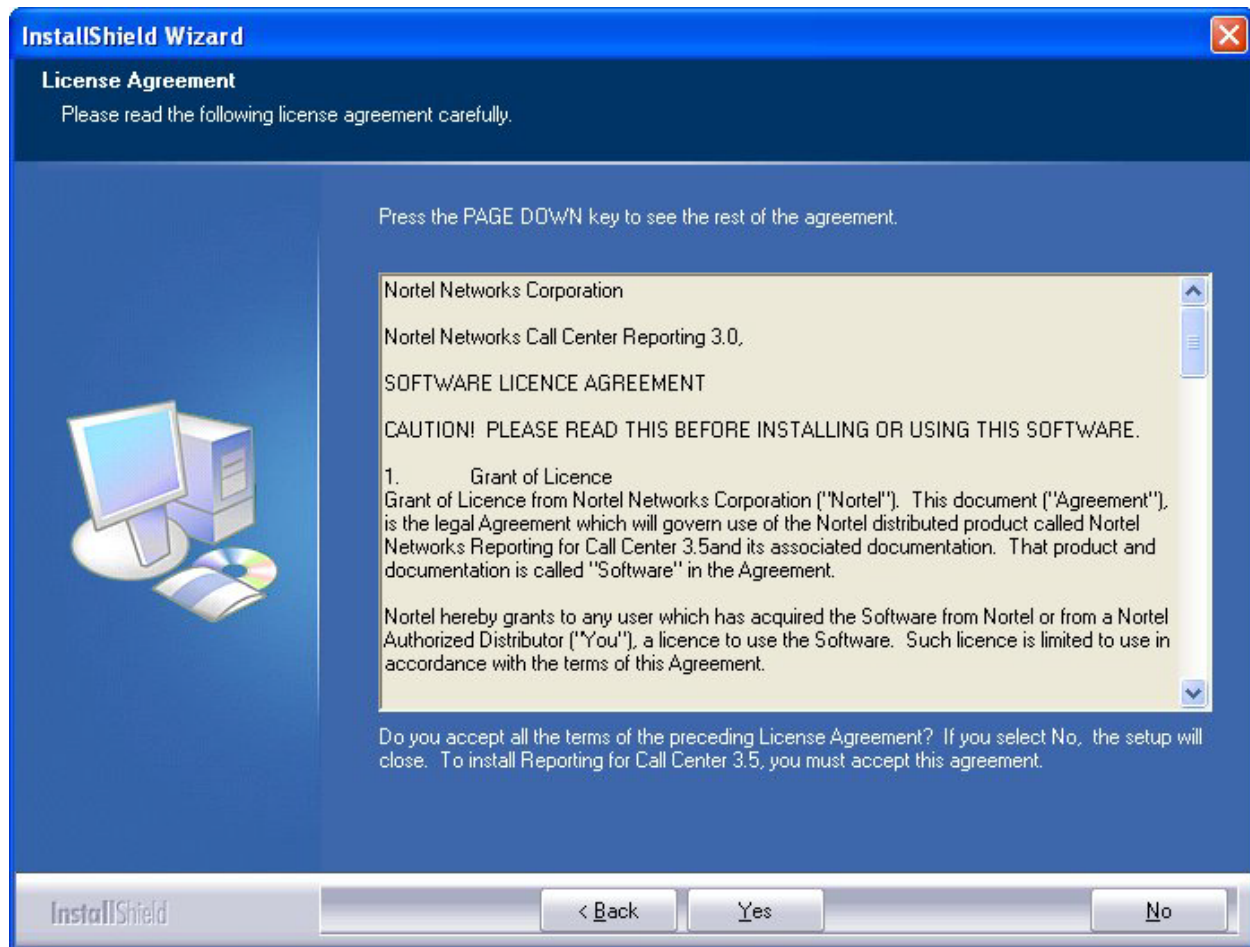


Figure 4: License Agreement Dialog

The dialog shown in Figure 4 is the License Agreement dialog. To proceed with the installation you must click the Yes button. To cancel the installation click on the No button. To return to the Welcome dialog, click on the Back button.

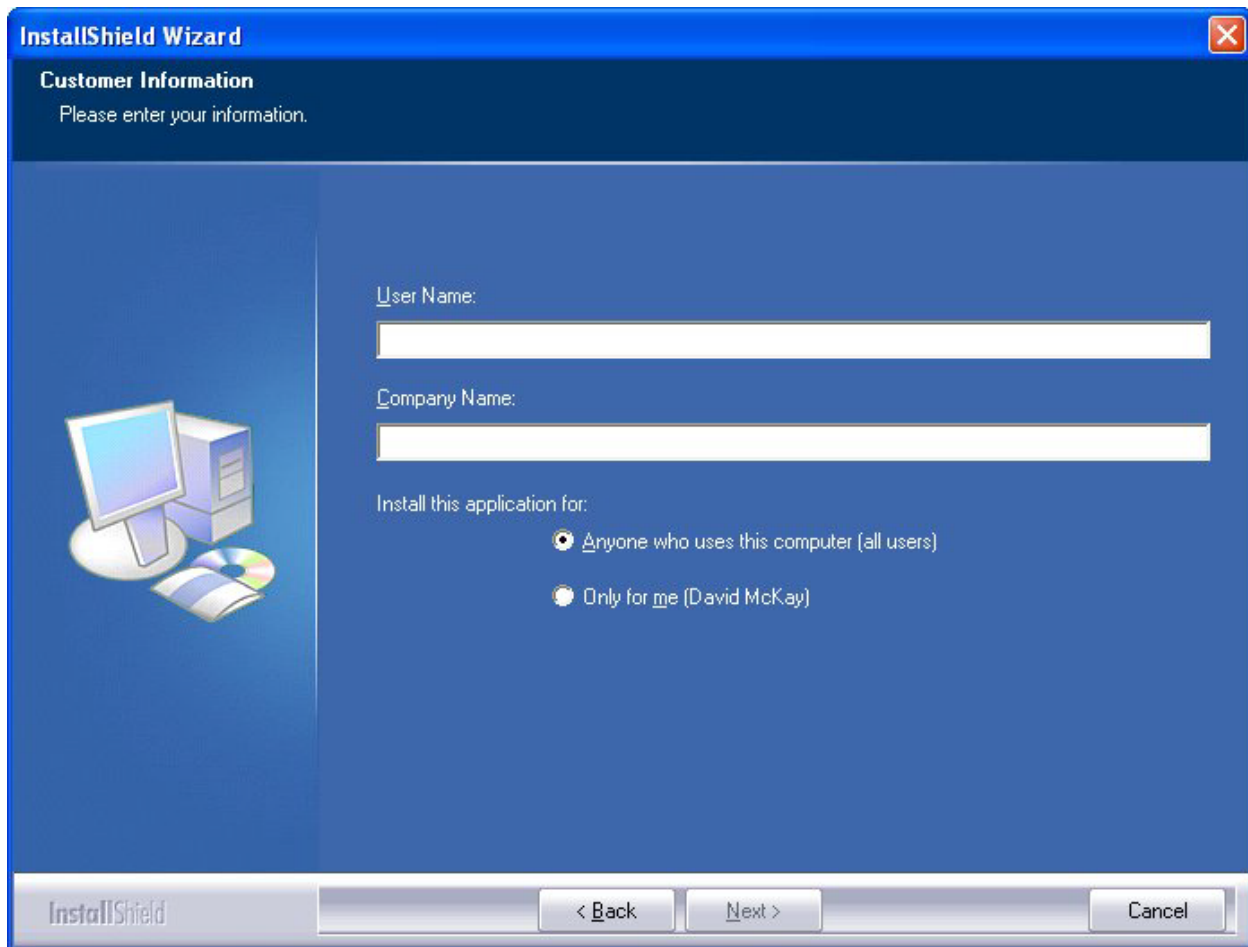
The image shows a screenshot of the 'InstallShield Wizard' window. The title bar is blue with the text 'InstallShield Wizard' and a close button. Below the title bar is a dark blue header area with the text 'Customer Information' and 'Please enter your information.' The main area has a light blue background. On the left side, there is an illustration of a computer monitor, a tower unit, and a CD. On the right side, there are two text input fields. The first is labeled 'User Name:' and the second is labeled 'Company Name:'. Below these fields, there is a section titled 'Install this application for:' with two radio button options: 'Anyone who uses this computer (all users)' (which is selected) and 'Only for me (David McKay)'. At the bottom of the window, there is a grey bar containing the 'InstallShield' logo on the left and three buttons: '< Back', 'Next >', and 'Cancel'.

Figure 5: Customer Information Dialog

If you clicked the **Yes** button in the License Agreement dialog shown in Figure 4, you will be presented with the dialog shown in Figure 4. This is the Customer Information dialog. Enter your user name in the User Name field. Enter the Company Name in the Company Name field. When you have entered these fields, the **Next** button will become available. Until you have entered these fields the **Next** button is greyed out.

To proceed with the installation click the **Next** button. To cancel the installation click on the **Cancel** button. To return to the License Agreement dialog, click on the **Back** button.

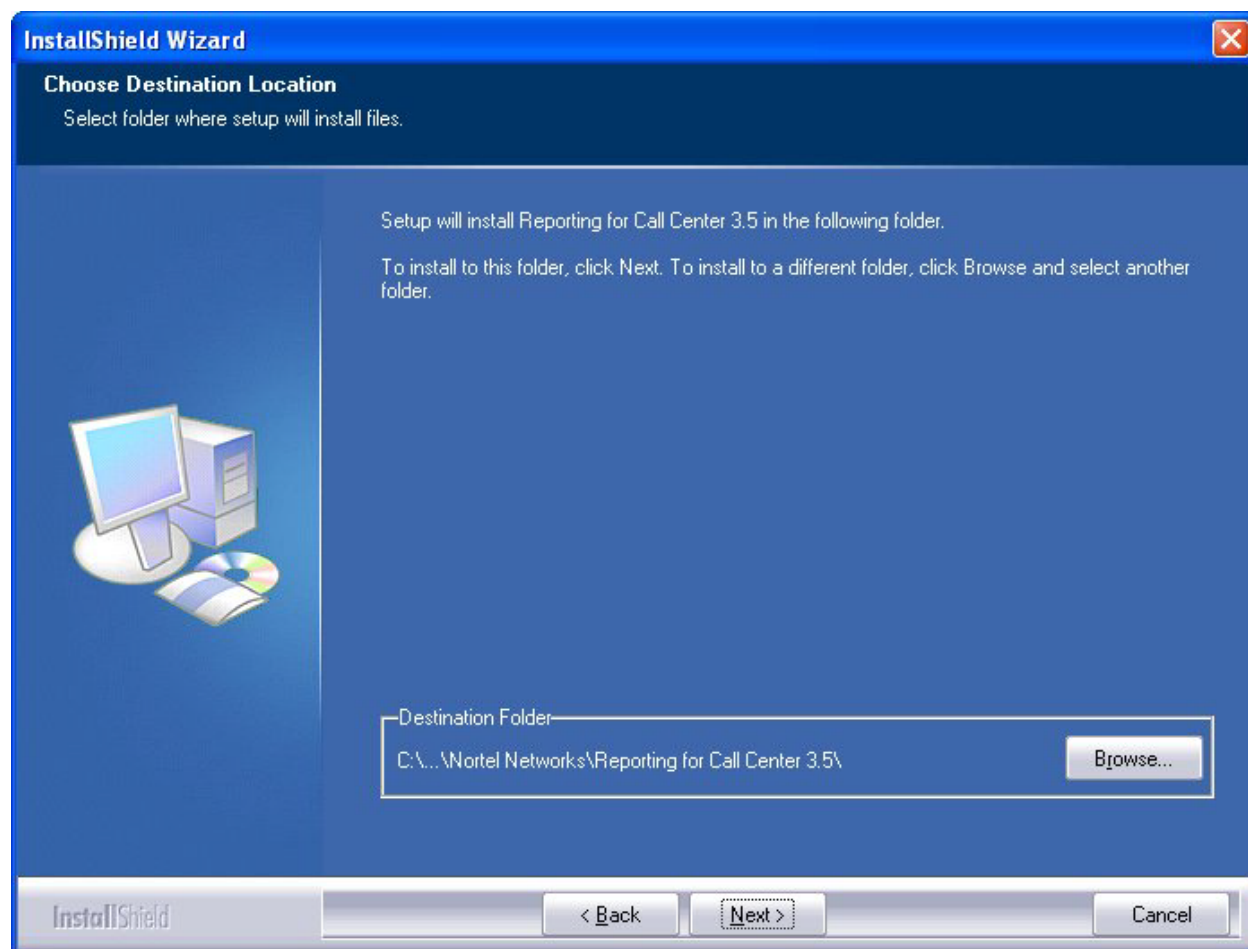


Figure 6: Choose Destination Location

If you clicked the **Next** button in the Customer Information dialog shown in Figure 5, you will be presented with the dialog shown in Figure 6. This is the Choose Destination Location dialog. If you do not wish to install Nortel Networks Reporting for Call Center on the default drive (C:) click the **Browse** button and choose a new destination.

To proceed with the installation click the **Next** button. To cancel the installation click on the **Cancel** button. To return to the Customer Information dialog, click on the **Back** button.

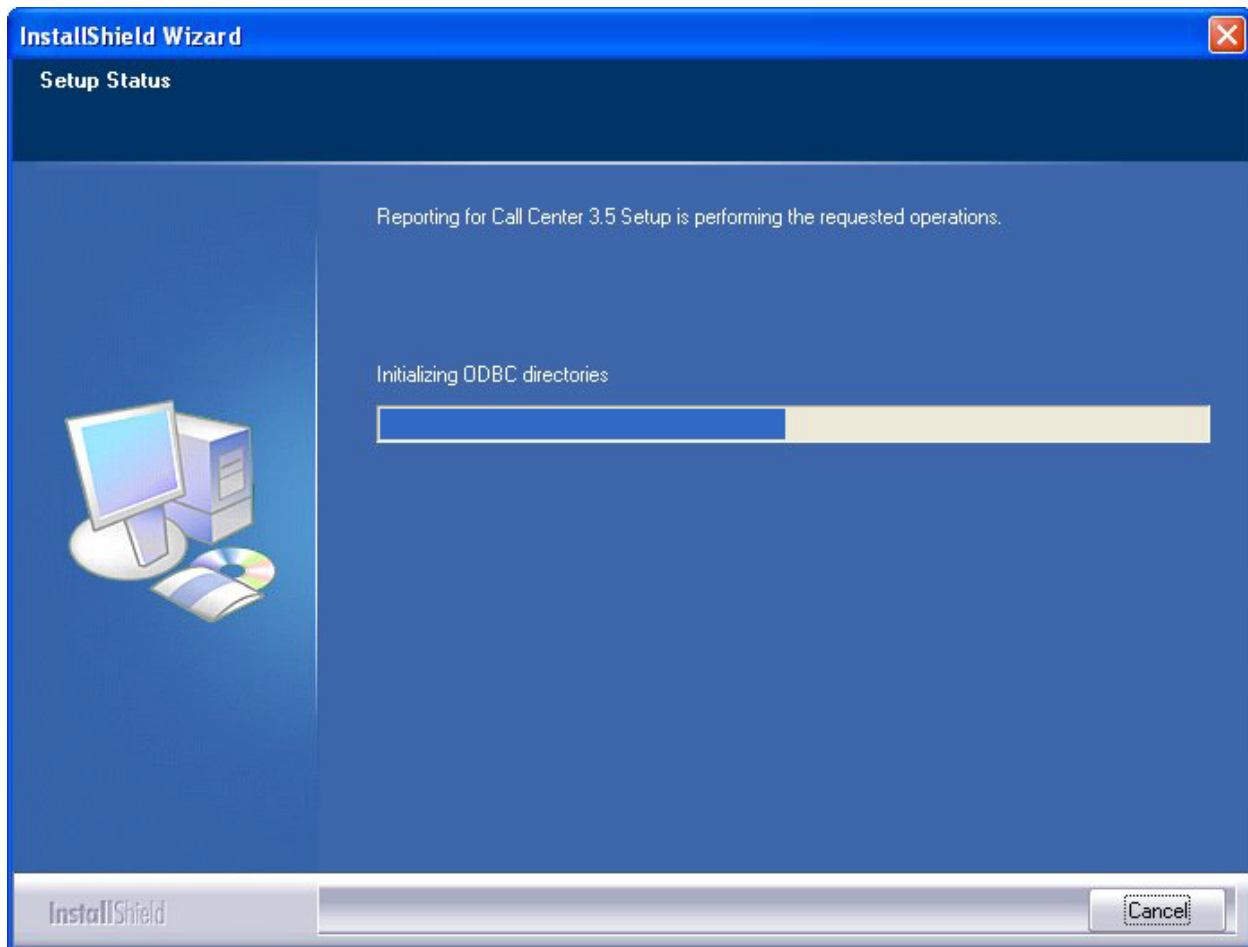


Figure 7: Setup Status Dialog

If you clicked the **Next** button in the Choose Destination Location dialog shown in Figure 6, you will be presented with the dialog shown in Figure 7. This is the Setup Status dialog. This shows the progress of the installation. If you wish to cancel the installation click the **Cancel** button. If you wish to proceed with the installation please wait for the installation to complete.

Presently you will see the message shown in Figure 8 displayed.



Figure 8: Database Installation Dialog

This informs you that the installation has proceeded to the stage where the MySQL database is being installed. Please wait.

Presently you will see the message shown in Figure 9 displayed.

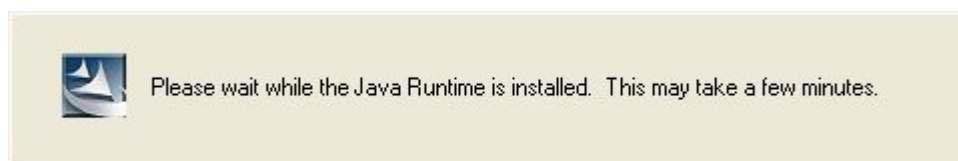


Figure 9: Java Installation Dialog

This informs you that the installation has proceeded to the stage where the Java Runtime is being installed. Please wait. Presently you will be presented with the Installation Complete dialog, shown below in Figure 10.

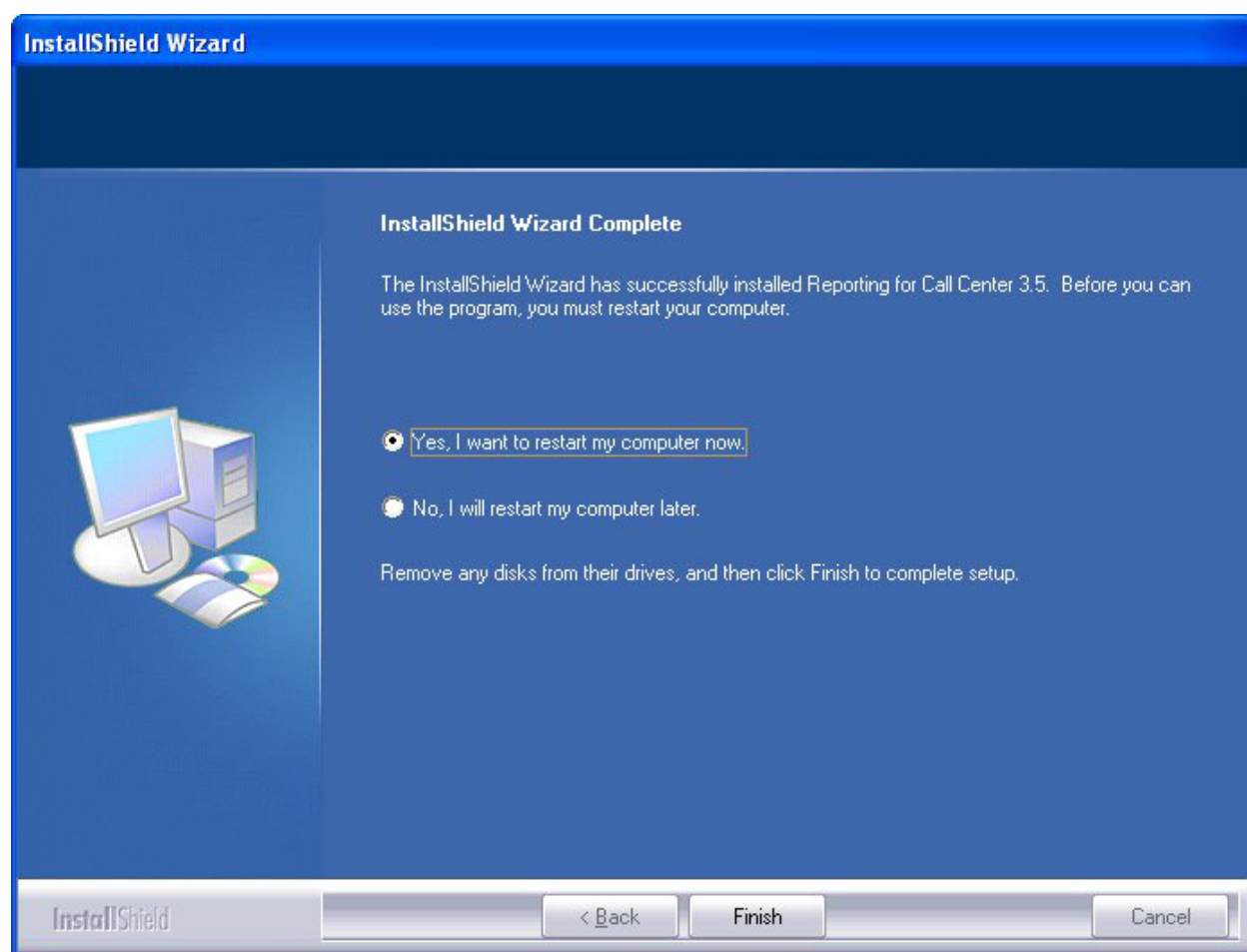


Figure 10: Installation Complete Dialog

Before Nortel Networks Reporting for Call Center can operate correctly, your Web Host PC must be rebooted.

To have the installation reboot your PC straightaway, click the **Yes, I want to restart my computer now** radio button, and then click the **Finish** button.

To complete the installation without rebooting your PC at this time, click the **No, I will restart my computer later** radio button, then click the **Finish** button.

When your PC has been rebooted, you will be able to start using Nortel Networks Reporting for Call Center application.

Configuration

4

Quick Steps to Configure Nortel Networks Reporting for Call Center

Before You Begin

Ensure that the Call Center is configured and operational, and that you have enabled the Call Center Reporting Software Keycode. For Software Keycode information, refer to the *Software Keycode Installation Guide*.

Logging In

Using Internet Explorer, browse to the URL of the Nortel Networks Reporting for Call Center Web pages Log In page.

The URL will be <http://NameOfWebHostPC/RCC/index.asp> where *NameOfWebHostPC* should be replaced with the network name or IP Address of the Web Host PC.

Note: If you are actually using the browser on the Web Host PC *NameOfWebHostPC* can be substituted with 'localhost'.

When you have browsed to the correct location you will be presented with the page below.

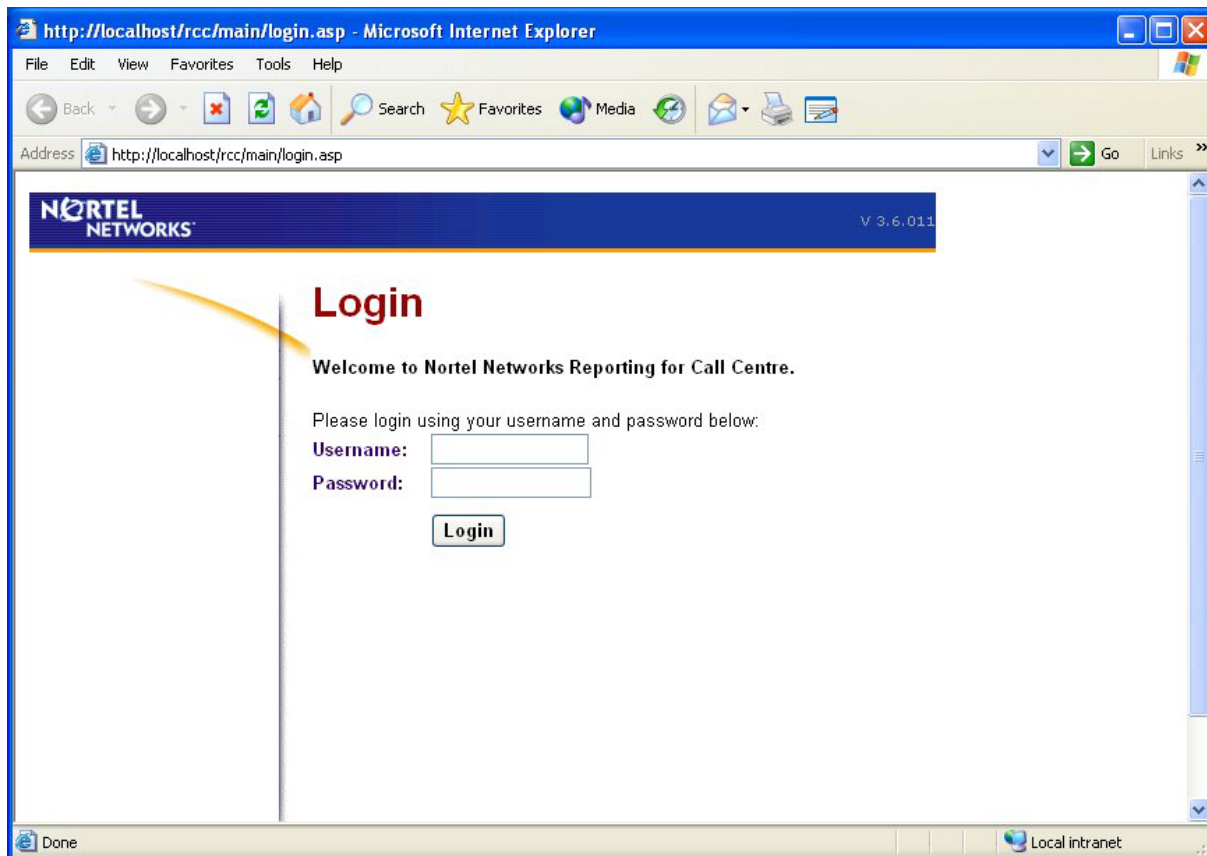


Figure 11: Log In page

Note: A System Administrator is already set up for you, with a default password. You will be required to change this password the first time you login.

Enter the username **admin** and the password **0000** and click on the Login button. You will be presented with the Change Password page, shown below.

Changing Default Password

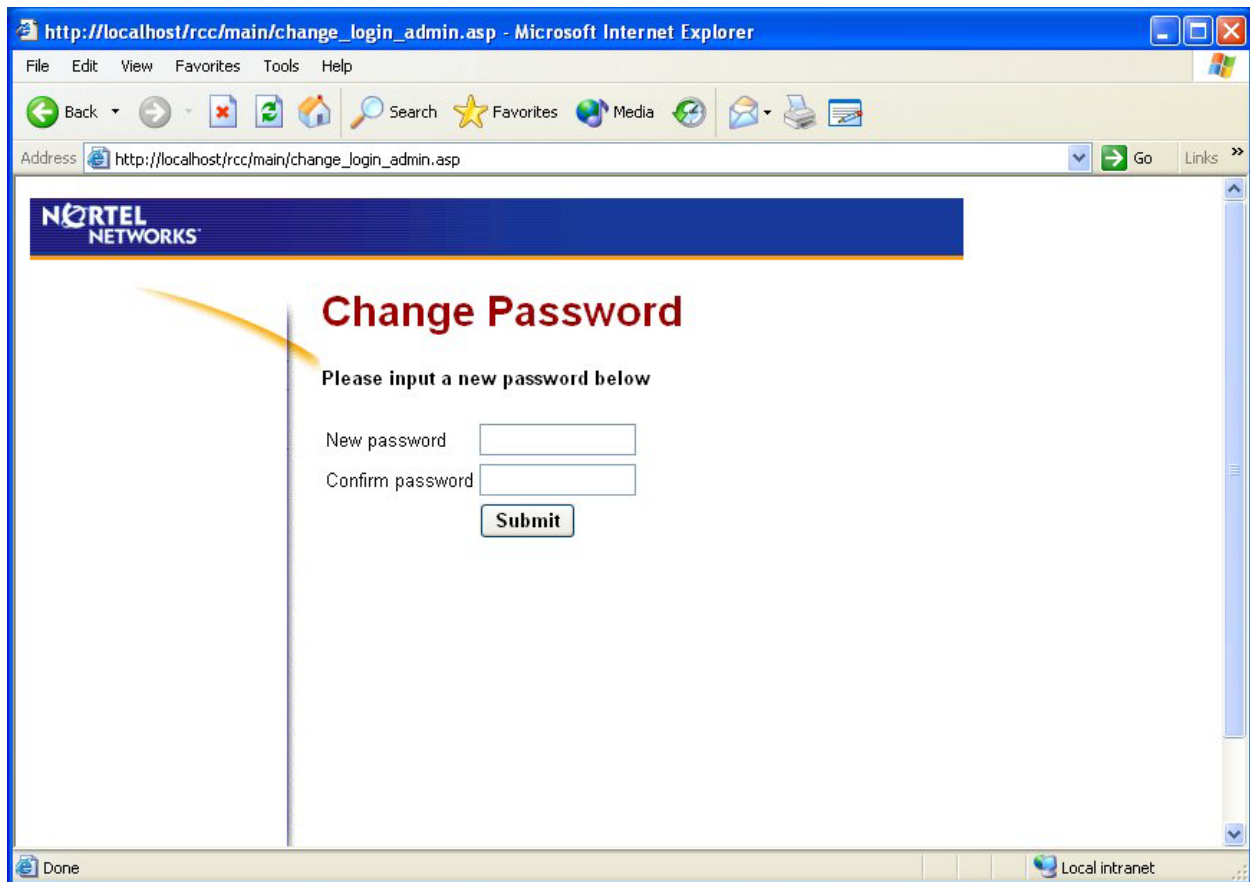


Figure 12: Change Password Page

Ask the Customer what they would like the new password to be set to.

The password can be from 1 to 4 digits, and can be anything apart from 0000. Enter the new password in the New Password field, and then enter the same password in the Confirm password field.

If there were any differences between the two entries you will be informed that the password and confirmation do not match, and you will need to re-enter the password in both fields once more.

If you have successfully entered the new password correctly in both fields you will be presented with the Administration Menu page, shown below.

Administration Menu

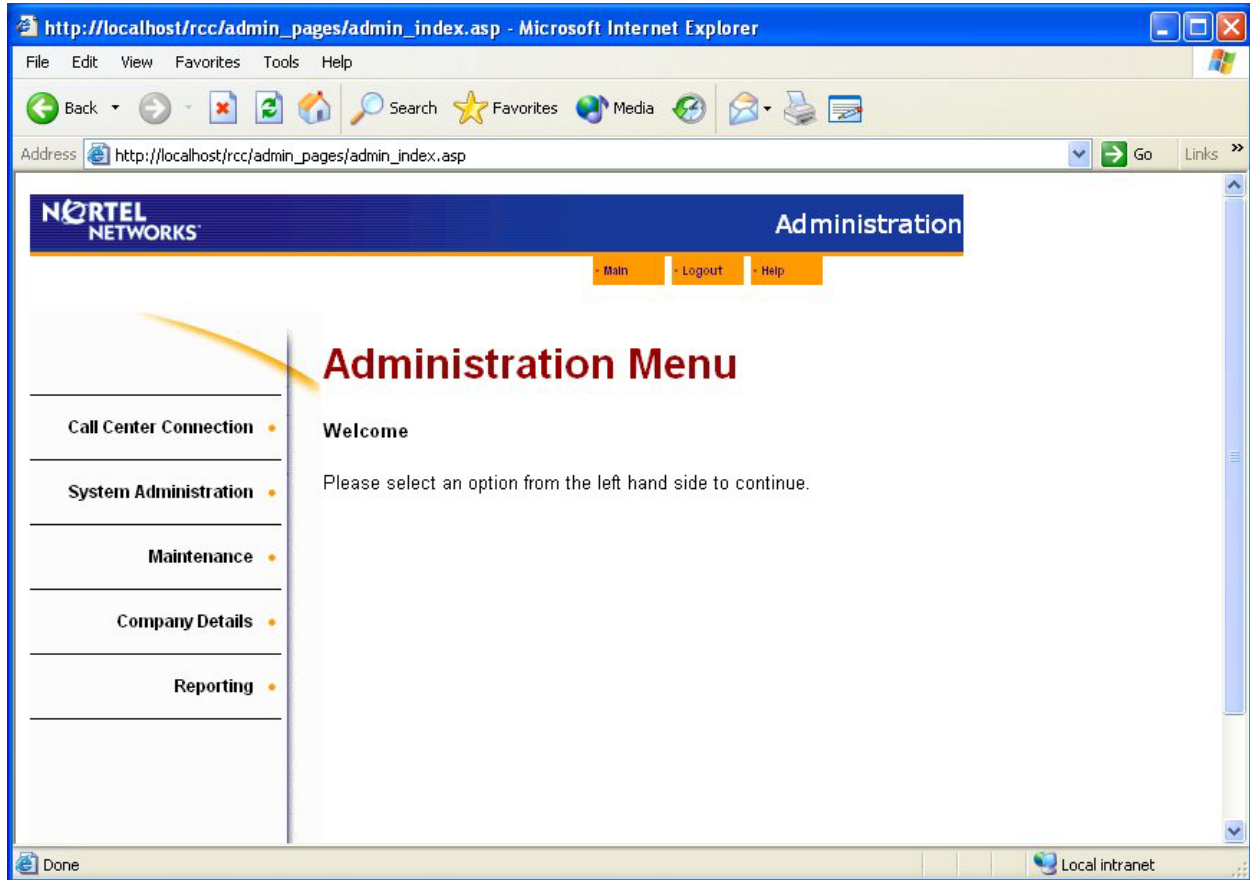


Figure 13: Administration Menu Page

The options that are available to an Administrator are listed down the left hand side of the page. These will be described in turn below.

Call Center Connection

The Call Center Connections option allows you to specify the network identifier (IP Address or Network Name) of the Call Center platform.

Click on the Call Center Connection option. You will then be presented with the Call Center Connection page, shown below.

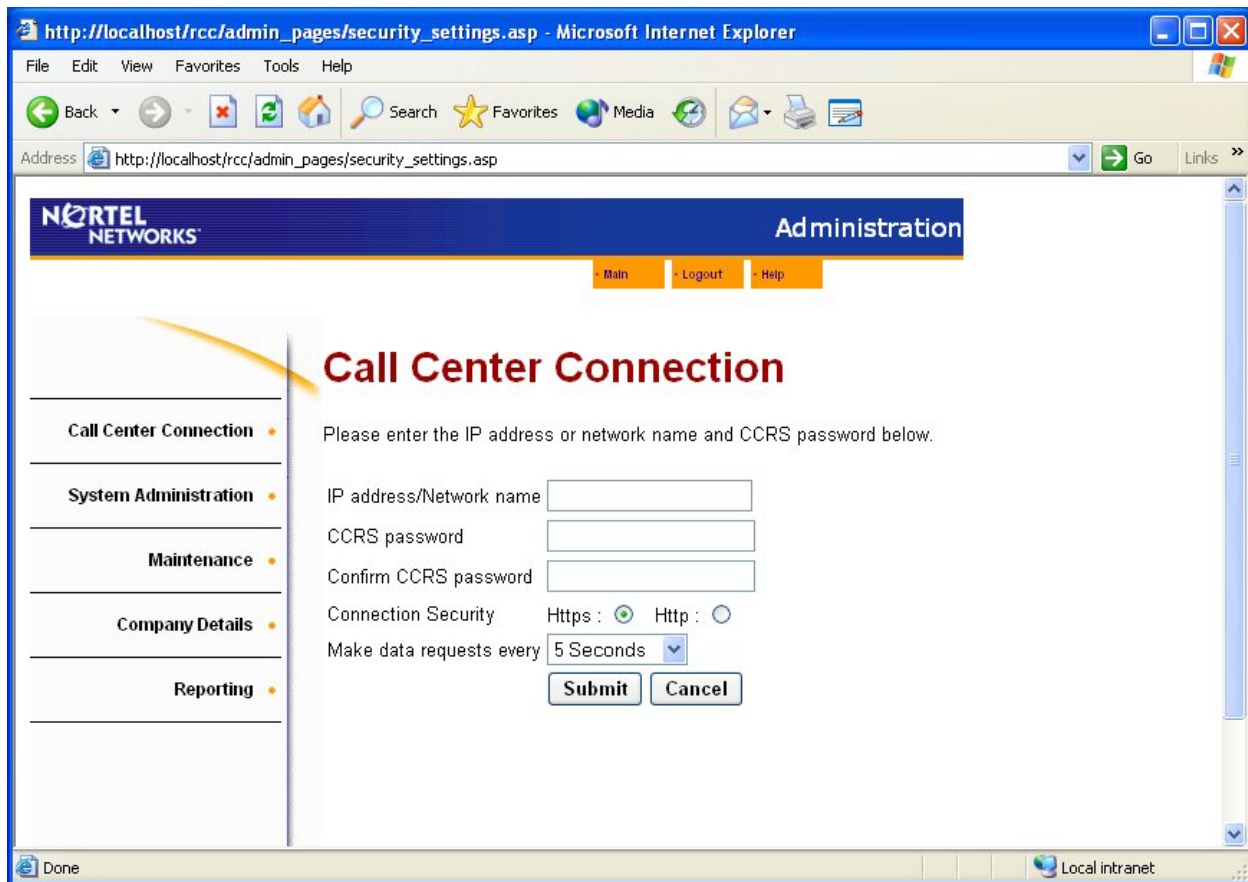


Figure 14: Call Center Connection Page

Enter the IP Address or the Network Name of the Business Communications Manager. If you do not know what to enter here, consult the Local Area Network Administrator for the site.

When Nortel Networks Reporting for Call Center communicates with the Call Center to request Real Time or Historical Report data it includes a password in the data request. This allows the Call Center to verify that the application requesting the data is authorized to receive it.

This password is set within the Call Center using CallPilot Manager. That same password must be entered into the CCRS password field. It must then be entered into the Confirm CCRS password field.

Note: The default CCRS password is 'CCRS', but this might have been changed within the Call Center from within CallPilot Manager.

Enter CCRS as the password in the CCRS Password field, and then re-enter it in the Confirm CCRS Password field.

The Connection Security radio buttons allow you to specify whether you are connecting to the Call Center using HTTPS or HTTP. By default, this connection is HTTPS. If it is changed on

the Call Center platform to HTTP you must also change this setting to HTTP. This is an advanced setting that is not usually changed from the default.

Leave the radio button selection on the HTTPS option.

The 'Make data requests every' drop down menu allows you to specify how frequently the Web Host PC communicates with the Call Center in order to obtain reporting data.

Leave the 'Make data requests every' drop down menu set to 5 seconds.

Verification

Accessing the Real Time Screens

Reporting Option

At the main Administration Menu, shown below, click on the Reports option.

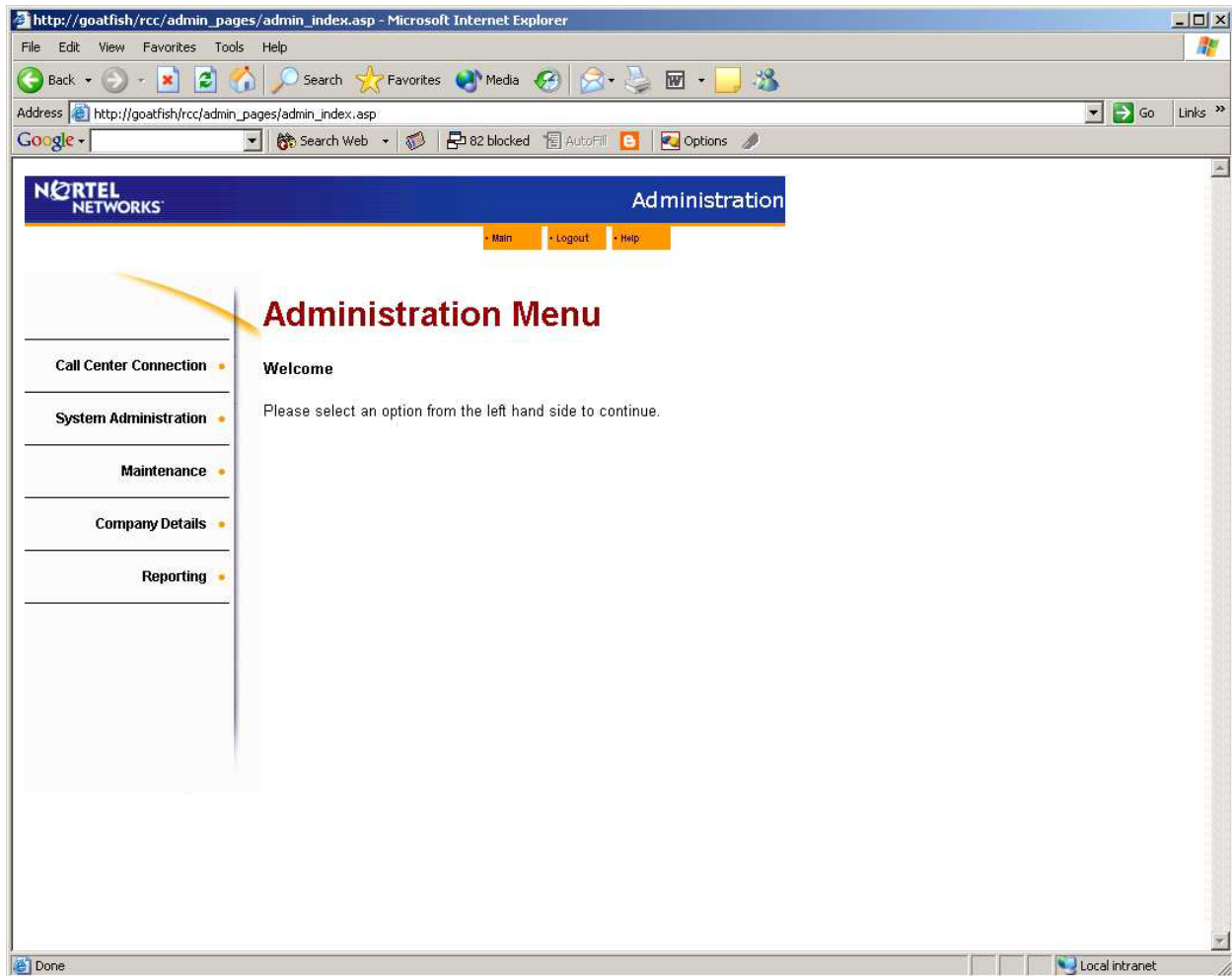


Figure 15: Administration Menu page

You will be presented with the Main Menu normally seen by regular (non-Administrative Users) when they Log In to Nortel Networks Reporting for Call Center. This is shown below.

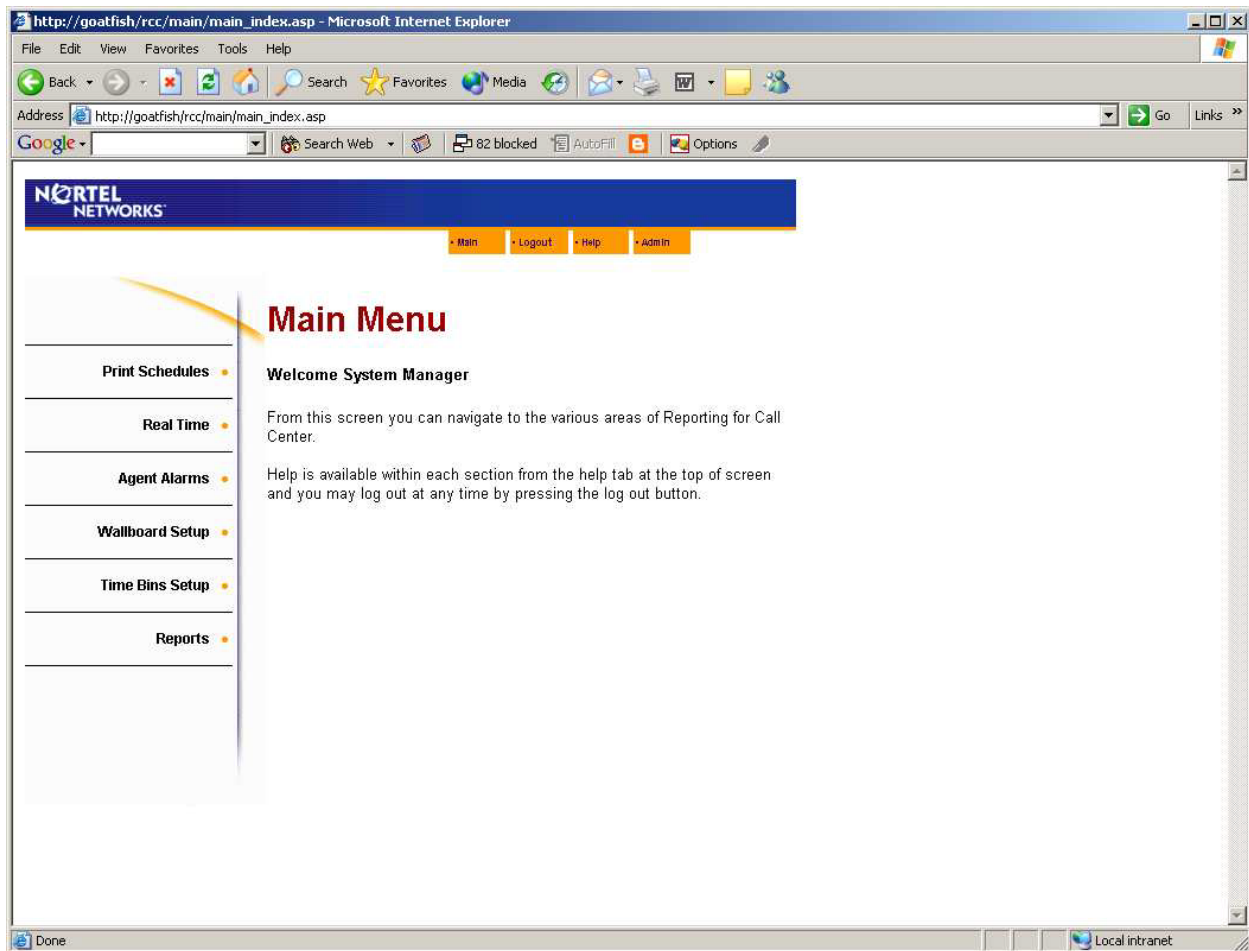


Figure 16: User Main Menu

Click on the Real Time option. You will be presented with the Real Time Menu page, shown below.

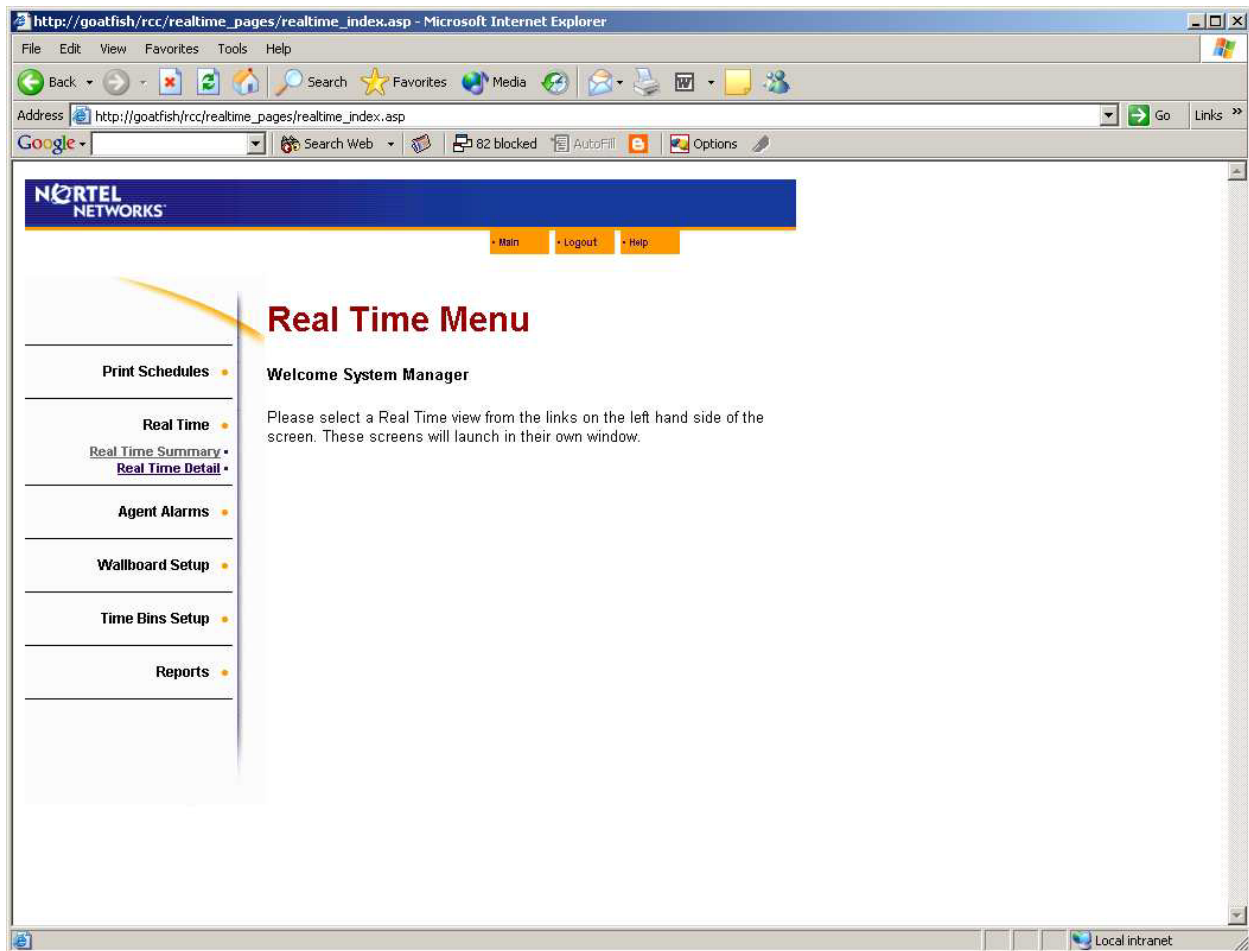


Figure 17: Real Time menu page

Click on the Real Time Summary option. You will be presented with the real Time Summary Skillset Selection page, shown below.

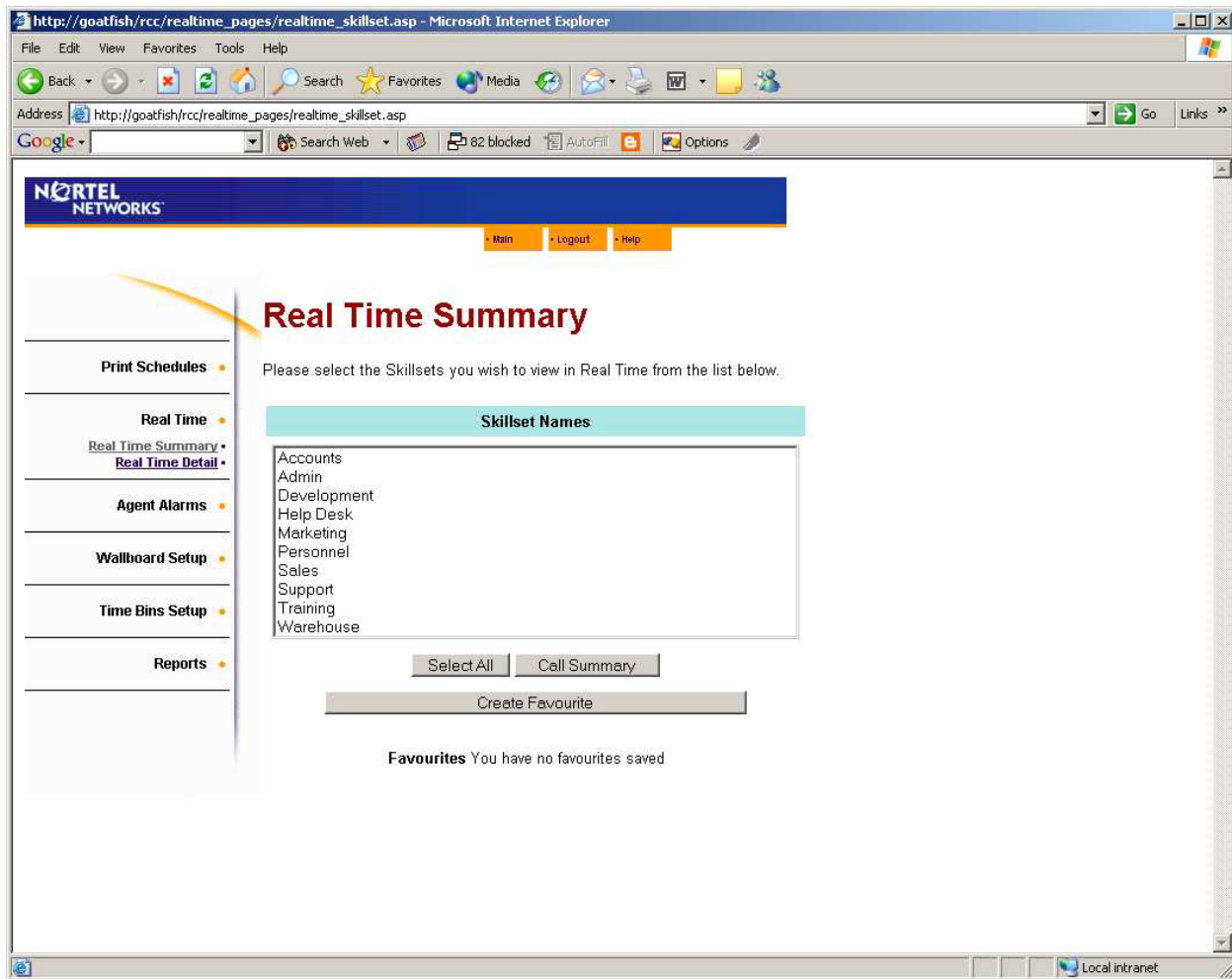


Figure 18: Real Time Summary Skillset Selection page

Note The list of Skillset names will reflect your actual Call Center configuration. The names displayed on your system will be different, and there may be more or less than the example shown here.

Click on the Select All button. All of the Skillset names will become highlighted. This is shown below.

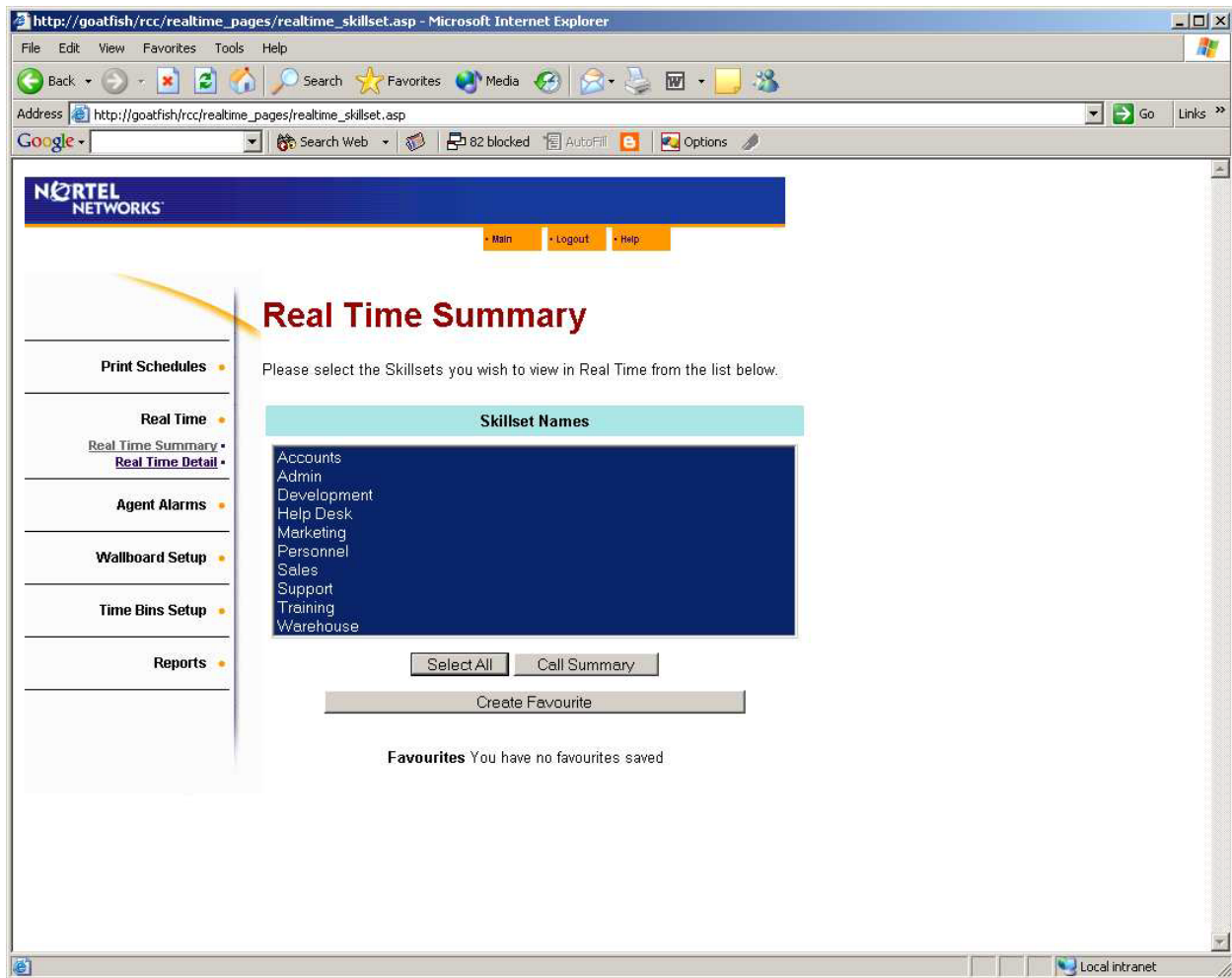


Figure 19: Real Time Summary Skillset Selection page with all Skillsets Selected

Click on the Call Summary button. You will be presented with the Call Summary Real Time screen, shown below.

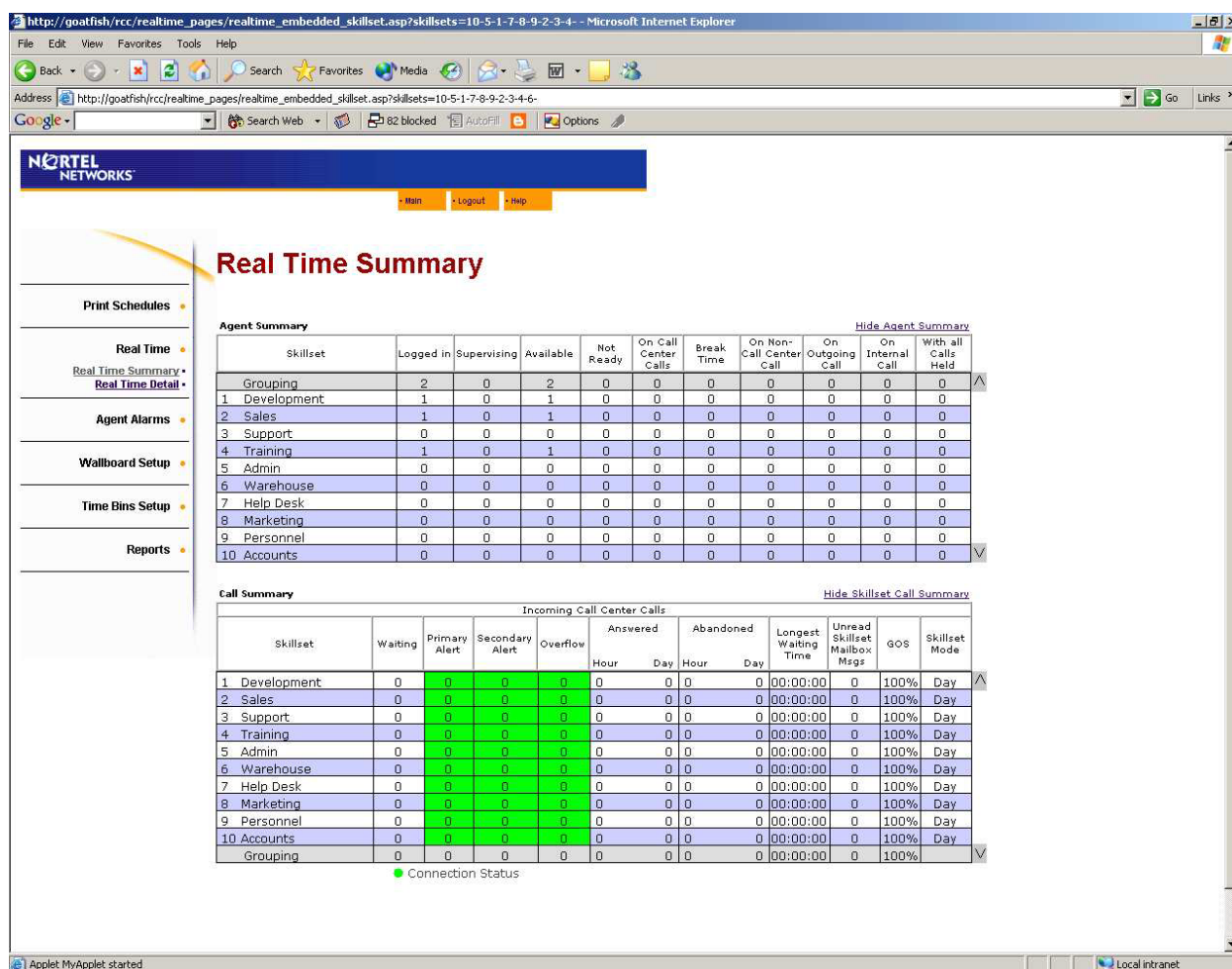


Figure 20: Real Time Summary screen

Note The list of Skillset names will reflect your actual Call Center configuration. The names displayed on your system will be different, and there may be more or less than the example shown here. The numerical figures will be different, and some of the green cells may be showing yellow or red, as these will reflect the real state of your actual Call Center.

Notice the green indicator beside the text 'Connection Status' at the bottom of the screen.

If this indicator shows Red then Nortel Networks Reporting for Call Center and the Call Center are not communicating.

If you do not see a green indicator, check these items:

1. Ensure you have correctly entered the IP Address or Network Name of the Call Center Business Communications Manager into IP Address/Network Name field the Call Center Connection Page, as detailed on page 22.

2. Ensure you have correctly entered the CCRS password into the CCRS Password and Confirm CCRS Password fields of the Call Center Connection Page, as detailed on page 22.
3. Ensure you have configured the Call Center through CallPilot Manager to have the same CCRS password as you are entering into the Call Center Connection page.

When you have checked these items, Log Out of Nortel Networks Reporting for Call Center, Log In again, and then repeat the steps detailed in this chapter.

Note Remember to Log In with the new password you entered in the Change Password page shown on page 20, not the default of 0000.

References

- 1 McKay, David *Reporting for Call Center Set Up and Operations Guide*, Issue 01.

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