

Chapter 17

How Subscribers Use the Sample Residential Portal

This chapter describes how to log in to the sample residential portal and how to use it. The chapter contains the following sections:

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Overview of the Sample Residential Portal

The sample residential portal allows subscribers to manage subscriptions to services that supplement their basic Internet services. The sample residential portal shows how subscribers could log in to a portal, start and stop supplementary services, and manage subscriptions for their special services. The services available in the sample residential portal are configured in the sample data.

If you are a portal developer and want to view the Javadoc documentation for the sample portal, you can access the documentation from the Welcome page of the sample residential portal after you log in to the portal.

Before You Use the Sample Residential Portal

Before you can log in to the sample residential portal, the portal must be configured for use in your environment. For information about installing and configuring the sample residential portal, see *Chapter 16, Installing and Configuring the Sample Residential Portal*.

Logging In to the Sample Residential Portal Using a Simulated User Profile

Logging in to the sample residential portal requires that you enter the username and password for a subscriber. You can log in to the sample residential portal by using a simulated user profile in a test environment, or you can log in as a subscriber in an environment that includes a JUNOS router or a JUNOS routing platform. If you add a subscriber to the directory, do so under a retailer below the folder *o = Users*, *o = umc*.

If you want to use a simulated user profile to log in to the sample residential portal, you can use one of the subscribers in the sample data, or a subscriber that you create. Before you can log in to the sample residential portal, you log the subscriber in to a simulated user session from the SRC CLI. For information about using a simulated user profile, see *SRC-PE Monitoring and Troubleshooting Guide, Chapter 7, Using Simulated Subscribers for Testing with the SRC CLI*.

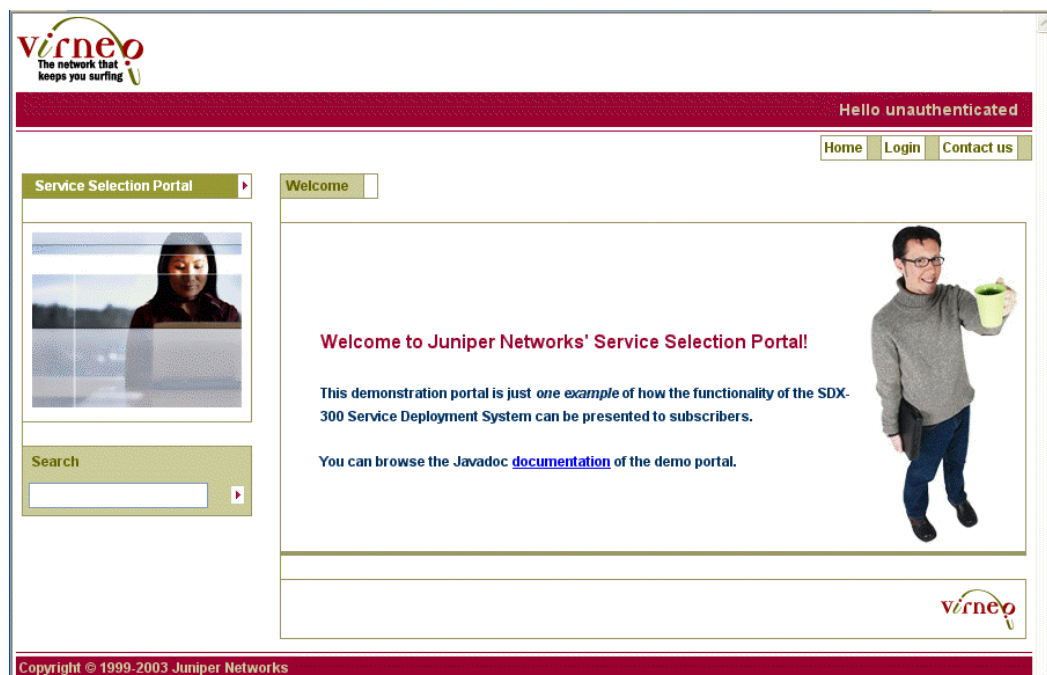
Logging In to the Sample Residential Portal

To log in to the sample residential portal:

1. Connect to the sample residential portal from a Web browser.

The default URL for the sample residential portal is `http:// < IP address of Web server > :8080`.

The Welcome page appears.



2. Click **Login**.

The Login page appears.



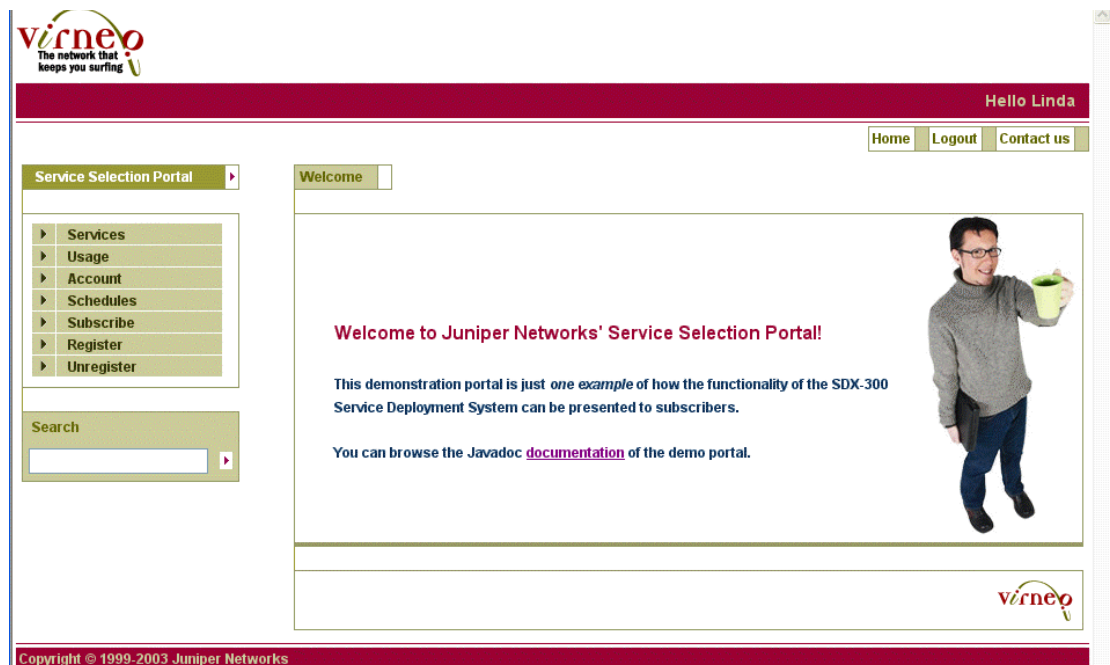
The screenshot shows the Virneo login page. At the top left is the Virneo logo with the tagline "The network that keeps you surfing". A maroon banner at the top right says "Hello unauthenticated". Below this is a navigation bar with "Home", "Login", and "Contact us" links. The main content area is divided into two columns. The left column has a "Service Selection Portal" dropdown menu, a photo of a woman, and a "Search" box. The right column has a "Login" link, a form titled "Please enter your SSP Username and Password." with "Username:" and "Password:" labels and input fields, a "Login" button, and links for "Not registered yet? Sign up now!" and "Forgot your password? Click here for help." There is also a small image of a man with a laptop. The footer contains the copyright notice "Copyright © 1999-2003 Juniper Networks" and the Virneo logo.



NOTE: The Sign up, Click here, and Search links are not operational in the sample portal.

3. Enter your username and password; then click **Login**.

Your personalized Welcome page appears.



Managing Services from the Sample Residential Portal

After you log in to the portal, you can use the portal in the same way that a subscriber would use it. This section describes how to use the sample residential portal from a subscriber's viewpoint.

Use the navigation pane on the left side of the page to move from one page to another.

You can set up, activate, and schedule additional services. These services supplement your basic Internet services, and may carry additional fees.

If you use DHCP to receive an IP address, you can also manage equipment registration.

Table 27 describes the tasks that you can perform in the sample residential portal and shows which item to select in the navigation pane to display the page that lets you perform the task.

Table 27: Navigation Pane for the Sample Residential Portal

To Do This	Select This Item in the Navigation Pane
Start and stop supplementary services.	Services
View the price of a supplementary service.	
View service statistics for traffic sent and received during your login session.	Usage
View the list of services made available to you by the Internet service provider. The list shows whether a service is automatically activated at login or whether you need to activate the service from the portal.	Account
Change the type of service activation from this page.	
Specify a schedule that indicates when a specified service should be activated and/or deactivated.	Schedules
View and change the services to which you subscribe.	Subscribe
If you are a DHCP user, register your DHCP equipment to always obtain an authenticated IP address.	Register
If you have equipment registration enabled, disable it.	Unregister

Starting and Stopping Services

You can start and stop services to which you have a subscription. You can view which supplementary services the Internet service provider makes available to you in the Subscribe page, and subscribe to services there. After you subscribe to a service, the Services page lists the service. See *Subscribing to Services* on page 327.

To start or stop services:

1. In the navigation page, click **Services**.

The Services page appears.



2. Click the tab that specifies the type of service to start or stop.
3. In the page that lists the service:
 - To start a service, click the red circle under Status.
 - To stop a service, click the green check mark under Status.
4. If a password is required to start a service, enter your password at the prompt.
5. To have a service become active when you log in to the portal again, click **Persistent** before you start the service.

If you specify a schedule for a service, that service is active as defined in the schedule and may remain active after you log out of the portal. See *Setting Up Service Schedules* on page 323.

Getting Usage Information

From the portal, you can view information about how long a service has been active and can view traffic statistics for your current login session. Internet service providers could use this type of information to generate accounting data for specified services, such as a video gold service that would support video on demand.

To get usage information for your current login session:

1. In the navigation pane, click **Usage**.

The Usage page appears.

virneo
The network that keeps you surfing

Hello Linda

Home Logout Contact us

Service Selection Portal Usage

Services
Usage
Account
Schedules
Subscribe
Register
Unregister

Search

Accounting data for each of your subscribed services is listed below.

This information describes your *most recent* use of each service during your *current* login session. The status column shows a green circle for an active service or a red circle for a non active service. The time column shows the time at which the data was collected from the network.

Audio	Internet	News	Video				
Service description	Status	Been active for	Time	Bytes out	Bytes in	Packets out	Packets in
Example for content provider allowing gold audio access	●	0 sec	Never				

virneo

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2. Click the tab that specifies the type of service for which you want usage information for your current login session.

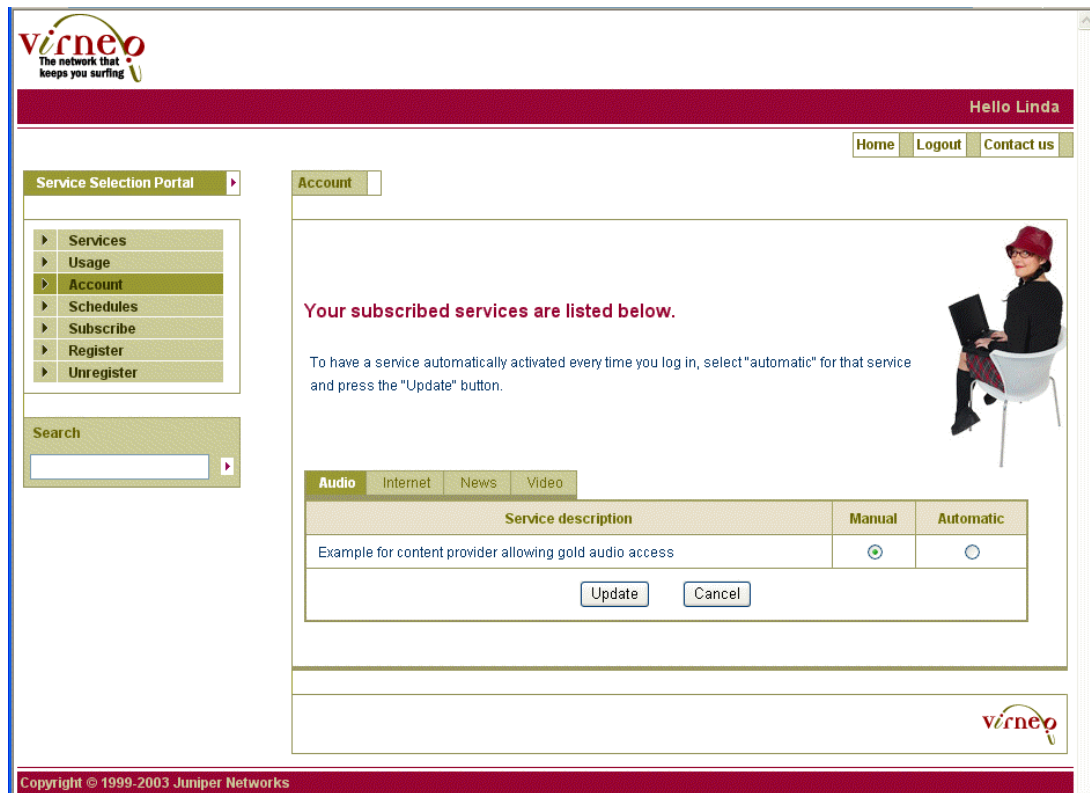
Setting Up the Type of Service Activation

You can have a service activated every time you log in to the portal, or you can activate it from the Services page when needed.

To view information about service activation and change how a service is activated:

1. In the navigation pane, click **Account**.

The Account page appears.



The screenshot shows the Virneo web portal interface. At the top, the Virneo logo is on the left, and 'Hello Linda' is on the right. Below the logo is a 'Service Selection Portal' menu with options: Services, Usage, Account (selected), Schedules, Subscribe, Register, and Unregister. A search bar is also present. The main content area is titled 'Account' and displays 'Your subscribed services are listed below.' with a note about automatic activation. A table lists services with columns for 'Service description', 'Manual', and 'Automatic'. The first row shows 'Example for content provider allowing gold audio access' with radio buttons for Manual and Automatic. Below the table are 'Update' and 'Cancel' buttons. The footer includes the Virneo logo and copyright information: 'Copyright © 1999-2003 Juniper Networks'.

Service description	Manual	Automatic
Example for content provider allowing gold audio access	<input type="radio"/>	<input type="radio"/>

2. Click the tab that specifies the type of service that you want to view or for which you want to change the type of activation:
 - To start a specified service when you connect to your Internet service provider, click **Automatic**.
 - To start a specified service only when you want it to become active, click **Manual**.
3. Click **Update**.

Setting Up Service Schedules

You can set up schedules to activate specified services and deactivate specified services at fixed times. The schedules operate independently of whether you are logged in to the portal. For example, you could set up a schedule that activates a video gold service at 12 noon on every Saturday and deactivates the service at 12 midnight on the same day.

To create a service schedule:

1. In the navigation pane, click **Schedules**.

The Schedules page appears.

Virneo
The network that keeps you surfing

Hello Linda

Home Logout Contact us

Service Selection Portal

- Services
- Usage
- Account
- Schedules**
- Subscribe
- Register
- Unregister

Search

Schedules

Your current schedule is shown below.

You can add new events to your schedule, or delete scheduled events. You can also view the detail information about each of your scheduled events.

ThisMonth EventList

Schedule Name	Action
You have no schedules events for the given period.	

Main

Name:

Schedule Cancel

Schedule

	Year	Month	Day	DOW		TZ
from	2004	9	23	*		*
	Hour: *	Minute: 0,30				
to	Year: *	Month: *	Day: *	DOW: *		*
	Hour: *	Minute: *				

Actions

Order	Operation	Service
0	Please Select	Please Select

2. In the Name field, specify a name for the schedule.
3. Under Schedule, specify the time to start the service under *from*, and the time to stop the service under *to*.

For information about the type of information to enter in these fields, see *Specifying Values for Times* on page 324 and *Setting Times* on page 325.

4. Under Actions, specify the operation to be performed for the service that you select under **Service**.

For information about the type of information to enter in these fields, see *Setting Actions* on page 326.

5. After you finish making all schedule entries, click **Schedule**.

The schedule appears under EventList, and the schedule of actions for this month appears under ThisMonth.

Specifying Values for Times

When you create or change schedules, you can use the values in the following list to make entries in the from and to sections in the Schedules page. See *Setting Times* on page 325 for a description of each entry field under the Schedule area of the page.

- Asterisks (*) are interpreted differently depending on the field in which you enter one as a value. The following list describes how the SRC software interprets an * as a value for the various fields:
 - Minutes and hours—0 (zero)
 - Time zones—Local SAE time zone
 - All other fields—First through last
 - For fields in the To section of the schedule area, * for the end time is equivalent to “deny service activation after this start date.”
 - For dates in the From section of the schedule area, * is equivalent to “deny service activation anytime before this end date.”
- Range of numbers or letters separated by a hyphen—The range is inclusive; for example, 1-5 for the hour specifies hours 1, 2, 3, 4, and 5. A range of mon-wed specifies Monday, Tuesday, and Wednesday.
- List of numbers, letters, or ranges separated by commas—For example, 1,2,5,9 or 0-4,8-12 or mon-wed,fri-sat.
- Skip values in ranges.
 - Skip a number’s value through the range, follow a range with / < number > . For example, 0-23/2 used in the hours field specifies that the event occurs every other hour.
 - Skip values with *. If you want to specify every two hours, use */2.



NOTE: If you set both a day of the month and a day of the week, the day of the month is used.

Setting Times

Use the following field definitions when you make entries in the from and to sections in the Schedules page. For information about general guidelines that apply to these entry fields, see *Specifying Values for Times* on page 324.

Year

- Year in which to schedule an action.
- Value—Four integers that indicate the year
- Default— *

Month

- Month of the year in which to schedule an action.
- Value
 - 1–12
 - First three letters of the name of the month
- Default— *
- Example—For January, specify one of the following:
 - jan
 - 1

Day

- Day of the month in which to schedule an action.
- Value—1–31
- Default— *

Hour

- Hour of the day in the indicated month in which to schedule an action.
- Value—0–23
- Default— *

Minute

- Number of minutes past the indicated hour in which to schedule an action.
- Value—0–59
- Default— *

DOW

- Day of the week in which to schedule an action.
- Value
 - 0–6, with 0 representing Sunday, and each subsequent number representing the next day of the week.
 - First three letters of the name of the day
- Default—*
- Example—For Saturday and Sunday, specify one of the following:
 - sat, sun
 - 6, 0

TZ

- Time zone to use in the schedule.
- Value
 - * —Local time zone of the SAE.
 - An offset to Greenwich Mean Time (GMT) in the format:
 GMT (+ | -) (hh:mm | hh mm | hh)

 hh— < hour >

 mm— < minute >
- Default—Time zone specified by the Internet service provider
- Example
 - Canada/Eastern or America/New York
 - GMT +5 sets the time zone to 5 hours behind GMT.

Setting Actions

In the Actions area, specify the type of action to be taken for a specified service.

Operation

- Type of action to be taken at the indicated time.
- Value—Menu of actions to be taken
 - deactivate—Deactivates the specified service at the indicated time.
 - activate—Activates the specified service at the indicated time.
 - deny—Does not allow activation of the specified service at the indicated time.
 - deny and deactivate—Deactivates the service if it is currently active and does not allow activation of the indicated service at the specified time.
- Guidelines—For deactivate and activate, specify times only in the from fields; any entries in the to fields are ignored.

Service

- Service for the schedule.
- Value—Menu of services to which you have a subscription

Subscribing to Services

After you subscribe to a service, you can activate the service to use it. Your Internet service provider decides which services are available to you for subscription. For information about activating a service, see *Starting and Stopping Services* on page 319.

To manage subscriptions to services:

1. In the navigation pane, click **Subscribe**.

The Subscribe page appears.

Service Selection Portal

- Services
- Usage
- Account
- Schedules
- Subscribe**
- Register
- Unregister

Search

Subscribe

Hello Linda

Home Logout Contact us

All available services are listed below.

It may take a minute for your new subscriptions to take effect.

Audio **Video** Internet News

Service Name	Service description	Subscribed	Unsubscribed
Video-Bronze	Example for content provider allowing bronze video access	<input type="radio"/>	<input checked="" type="radio"/>
Video-Gold	Example for content provider allowing high speed access	<input checked="" type="radio"/>	<input type="radio"/>
Video-Silver	Example for content provider allowing silver video access	<input type="radio"/>	<input checked="" type="radio"/>

OK Cancel

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2. Click the tab that specifies the type of service to which you want to subscribe or unsubscribe.
 - To subscribe to a specified service, click **Subscribed**.
 - To stop a subscription to a specified service, click **Unsubscribed**.
3. After you finish making all schedule entries, click **OK**.

Registering Equipment for DHCP Login

If your Internet service provider assigns an IP address by using DHCP, you can register your equipment to automatically obtain an authenticated IP address when you log in to the portal. Your equipment can be a device other than a PC, such as an IP phone or a set-top box.

To register your equipment:

1. In the navigation pane, click **Register**.

The Register page appears.

The screenshot shows the Vireo web portal interface. At the top left is the Vireo logo with the tagline "The network that keeps you surfing". At the top right, it says "Hello Linda" and has links for "Home", "Logout", and "Contact us". On the left side, there is a "Service Selection Portal" with a list of options: Services, Usage, Account, Schedules, Subscribe, Register (highlighted), and Unregister. Below this is a search bar. The main content area is titled "Register" and contains the following text: "You may register your DHCP equipment so that it always obtains a public IP address. The first step is to supply the credentials that will authorize your equipment to receive a public IP address." Below this text is a section titled "Equipment Credentials" with the instruction "Please enter your username and password for the Equipment Registration:". There are two input fields: "Username:" and "Password:". A "Continue" button is located below the password field. To the right of the input fields is an illustration of a computer monitor, keyboard, and a golf bag. At the bottom right of the main content area is the Vireo logo. The footer of the page reads "Copyright © 1999-2003 Juniper Networks".

2. Specify the username and password to use for equipment registration, and click **Continue**.

3. In the page that appears, specify the media access control (MAC) address of the equipment to be registered, provide a brief description of this equipment, and click **Register**.



The screenshot displays the Virneo Residential Portal interface. At the top left is the Virneo logo with the tagline "The network that keeps you surfing". A red banner at the top right says "Hello Linda". Below the banner are links for "Home", "Logout", and "Contact us". On the left side, there is a "Service Selection Portal" menu with options: Services, Usage, Account, Schedules, Subscribe, Register (highlighted), and Unregister. Below the menu is a search bar. The main content area is titled "Register" and contains a "New Equipment Registration" section. This section prompts the user to "Please enter the MAC address (e.g. 03:3A:FE:98:3C:CB) and a brief description of the device you want to register." It includes input fields for "MAC address:" and "Description:", followed by "Register" and "Cancel" buttons. To the right of the form is an image of a computer setup with a monitor, keyboard, and a golf bag. The footer of the page shows the Virneo logo and the copyright notice "Copyright © 1999-2003 Juniper Networks".

The page displays the registration information.

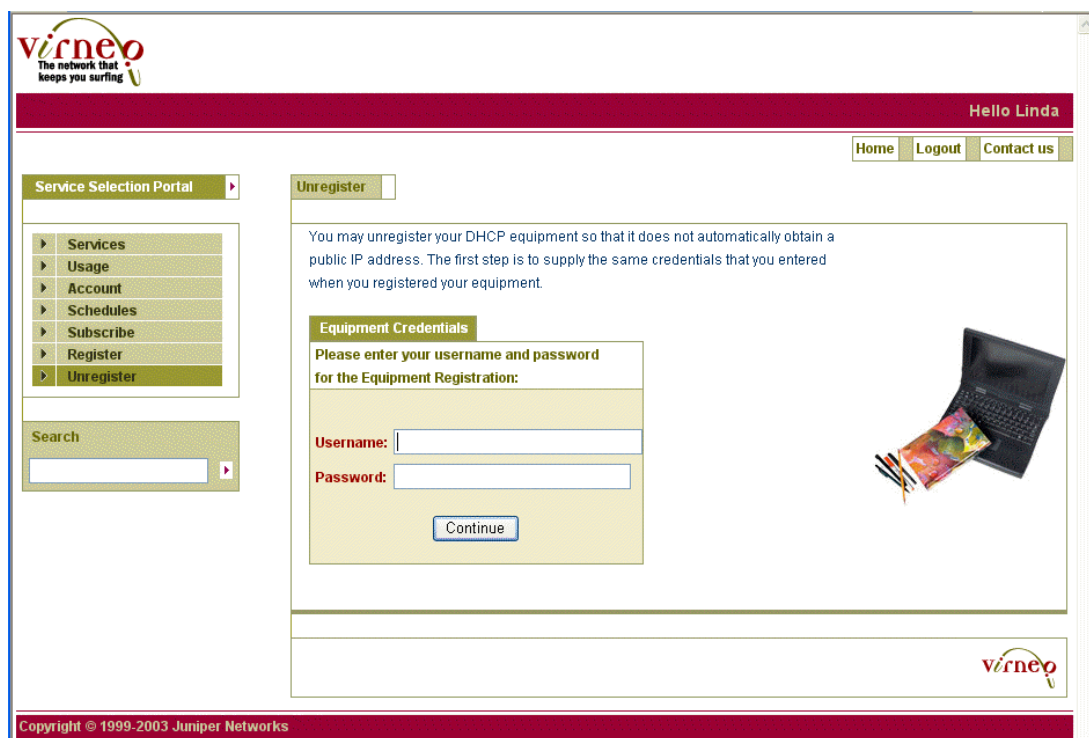
Disabling Equipment Registration

If you previously registered your equipment to obtain an authenticated IP address, you can change your configuration to disable equipment registration.

To disable registration of your equipment:

1. In the navigation pane, click **Unregister**.

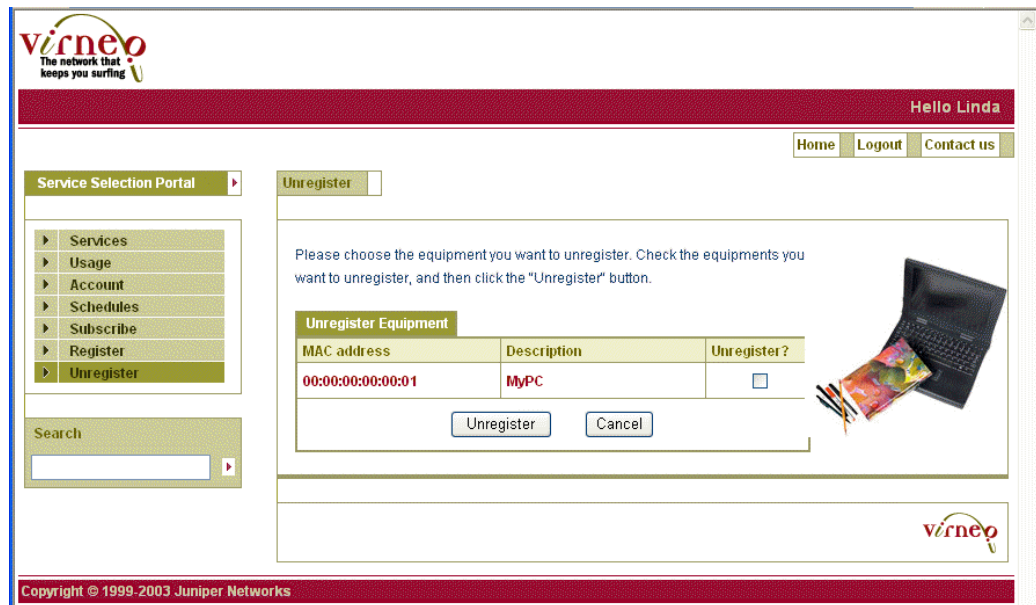
The Unregister page appears.



The screenshot shows the Vireneo web portal. At the top left is the Vireneo logo with the tagline "The network that keeps you surfing". To the right of the logo is a red banner with "Hello Linda" and navigation links for "Home", "Logout", and "Contact us". Below the banner is a "Service Selection Portal" with a list of links: Services, Usage, Account, Schedules, Subscribe, Register, and Unregister. The "Unregister" link is highlighted. Below the list is a search bar. The main content area is titled "Unregister" and contains a paragraph explaining that users can unregister their DHCP equipment to stop it from automatically obtaining a public IP address. It instructs users to enter the same credentials as when they registered. Below this text is a form titled "Equipment Credentials" with fields for "Username:" and "Password:", and a "Continue" button. To the right of the form is an image of a laptop with a colorful screen. At the bottom right of the page is the Vireneo logo, and at the bottom left is the copyright notice "Copyright © 1999-2003 Juniper Networks".

2. Enter your username and password, and click **Continue**.

A page appears that shows the equipment that you have registered.



The screenshot shows the Vireo Sample Residential Portal interface. At the top, the Vireo logo is on the left, and a red banner on the right says "Hello Linda". Below the banner are links for "Home", "Logout", and "Contact us". On the left side, there is a "Service Selection Portal" menu with options: Services, Usage, Account, Schedules, Subscribe, Register, and Unregister. Below this is a search box. The main content area is titled "Unregister" and contains instructions: "Please choose the equipment you want to unregister. Check the equipments you want to unregister, and then click the 'Unregister' button." Below the instructions is a table titled "Unregister Equipment".

MAC address	Description	Unregister?
00:00:00:00:01	MyPC	<input type="checkbox"/>

Below the table are two buttons: "Unregister" and "Cancel". To the right of the table is an illustration of a laptop with a colorful screen. At the bottom right of the main content area is the Vireo logo. The footer of the page is a red banner with the text "Copyright © 1999-2003 Juniper Networks".

3. Select the Unregister check box, and click **Unregister**.

The Welcome page for the portal appears.

You can also disable equipment registration when you log out of the portal; see *Logging Out of the Sample Residential Portal* on page 332.

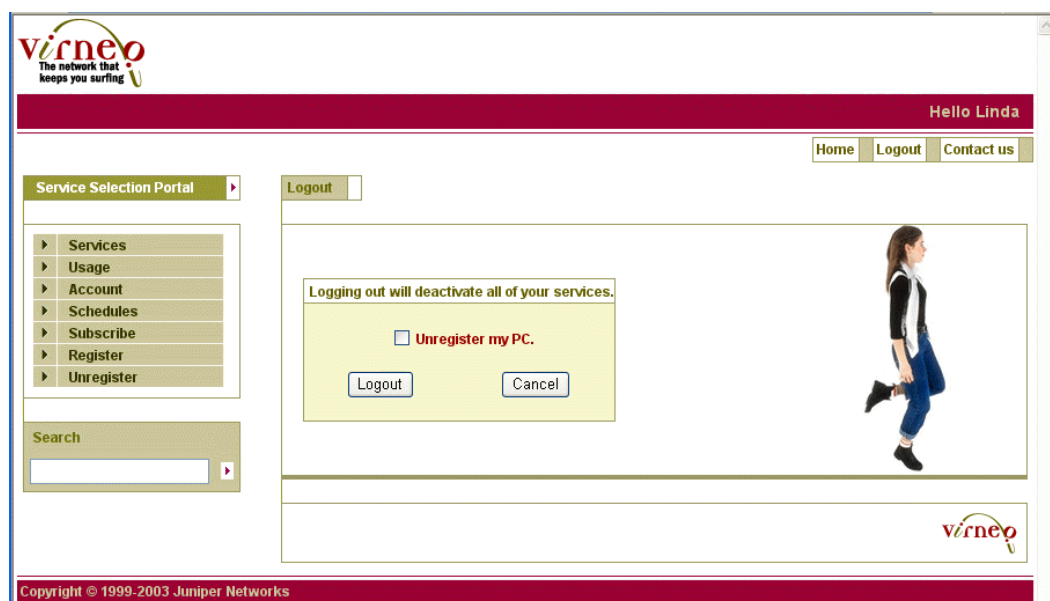
Logging Out of the Sample Residential Portal

When you finish using subscriptions to services, log out of the sample residential portal.

To log out of the sample residential portal:

1. On any portal page, click **Logout**.

The Logout page appears.



2. If you want to disable equipment registration, select **Unregister my PC**.
3. Click **Logout**.

The Welcome page appears again.

Using the Sample Residential Portal from PDAs

You can also access the sample residential portal from a personal digital assistant (PDA).

To use the sample residential portal from a PDA:

1. Start the sample residential portal from a PDA in the same way that you start the portal from a Web browser running on your PC. See *Logging In to the Sample Residential Portal Using a Simulated User Profile* on page 316.

The Welcome page appears.



2. Click **Login**.

The login page appears.



3. Enter your username and password.

After you log in, you can view the available services.



4. Navigate through the menus to activate and deactivate services.

