



INTERNET
SECURITY
SYSTEMS™

BLACKICE
PC PROTECTION™

Getting Started Guide

Version 3.6



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Contents

Chapter 1: Setting Up BlackICE PC Protection	1
Overview	1
System Requirements	3
Downloading BlackICE PC Protection	4
Installing BlackICE PC Protection	6
Stopping BlackICE PC Protection	9
Restarting BlackICE PC Protection	12
Updating BlackICE PC Protection	15
Removing BlackICE PC Protection	18
Getting Help	20
Chapter 2: BlackICE PC Protection Basics	21
Overview	21
Choosing a Protection Level	22
Choosing the Information You Need	24
Managing Notification Settings	27
Customizing Your Firewall	28
Setting Up Application Protection	31
Responding to BlackICE Alerts	34
Index	37



Chapter 1

Setting Up BlackICE PC Protection

Overview

Introduction

BlackICE PC Protection is a comprehensive personal computer (PC) security solution that helps you protect your computer from:

- theft of passwords, credit card information, personal files, and more
- computer downtime and system crashes
- hackers using your PC to launch attacks against other systems

How BlackICE works

BlackICE PC Protection protects your computer using these features:

Firewall Capabilities: BlackICE PC Protection provides powerful firewall capabilities. The BlackICE PC Protection firewall inspects all inbound and outbound traffic on your computer for suspicious activity. BlackICE blocks unauthorized activity without affecting legitimate traffic.

Intrusion Detection: BlackICE PC Protection contains an advanced intrusion detection system that alerts you to attacks and blocks threats to your computer. BlackICE PC Protection captures information about an attacker and logs suspicious activity, which preserves evidence of the attack.

Application Protection: BlackICE PC Protection prevents unauthorized applications from harming your computer or other computers on a network. Application Protection consists of two main features:

- **Communications Control:** helps you prevent unauthorized applications from communicating on the Internet and can even prevent intruders from using your computer to launch attacks against other systems. It does this by letting you control which applications have access to a local network or the Internet.

- **Application Control:** helps you prevent unknown and possibly destructive applications from damaging your computer. Application Control gives you control over which applications may launch. BlackICE PC Protection goes beyond the capabilities of other products by preventing unauthorized applications from launching other applications or services.

In this chapter

This chapter contains the following topics:

Topic	Page
System Requirements	3
Downloading BlackICE PC Protection	4
Installing BlackICE PC Protection	6
Stopping BlackICE PC Protection	9
Restarting BlackICE PC Protection	12
Updating BlackICE PC Protection	15
Uninstalling BlackICE	18
Getting Help	20

System Requirements

Introduction

BlackICE PC Protection is designed for computers that run any supported version of the Windows operating system.

BlackICE PC Protection system requirements

The following table lists the minimum system requirements for BlackICE PC Protection:

Component	Minimum Requirement
Operating System	Windows 98, Windows NT 4.0 (Service Pack 5 or later), Windows Millennium Edition, Windows 2000 (Service Pack 2 or later), Windows XP
Processor	Pentium or equivalent CPU
Memory	Minimum 16 MB RAM (64 MB or more recommended)
Hard Drive Space	10 MB free
Network Protocol	TCP/IP
Internet/Network Connection	10/100 Ethernet LAN/WAN, cable modem, DSL router, ISDN router, wireless network or dial-up modem

Table 1: System requirements for BlackICE PC Protection

Downloading BlackICE PC Protection

Introduction

If you do not have the BlackICE PC Protection CD, you must purchase and download BlackICE PC Protection before you can install it. If you have previously purchased BlackICE PC Protection but you have misplaced your copy of the software, you can download a replacement copy. This topic describes how you can download BlackICE PC Protection.

License key

You will need a valid license key to download a replacement copy of BlackICE PC Protection. If you have misplaced the license key, contact customer support at support-L1@networkice.com to obtain a copy. Include this information in your email:

- Your name, address and telephone number
- The date you purchased BlackICE
- Method of purchase (downloaded or boxed)
- Your order and customer number, if you downloaded BlackICE
- All email addresses you used when you registered BlackICE

Note: If you purchased the boxed product and did not send in your registration card, please note that in the email.

Downloading BlackICE

To download BlackICE PC Protection:

1. In the address field of your Web browser, type <http://www.blackice.iss.net>, and then press ENTER.
Your browser displays the BlackICE products home page.
2. Do you want to purchase or replace BlackICE PC Protection?
 - If you are purchasing BlackICE, go to Step 3.
 - If you are downloading a replacement copy, go to Step 5.
3. Click the **Buy Now** link, and then follow the instructions on the page to complete your purchase.
Your product downloads to your computer.
4. Go to “Installing BlackICE PC Protection” on page 6.

5. To download a replacement copy of BlackICE PC Protection, click **Update Center**.
6. Click **BlackICE PC Protection 3.6**.
7. Follow the instructions on the page to complete the download.
8. Go to “Installing BlackICE PC Protection” on page 6.

Installing BlackICE PC Protection

Introduction

This topic describes how to install BlackICE PC Protection after you have purchased the BlackICE PC Protection CD or downloaded the product from the Web.

Reference: For information about how to download BlackICE PC Protection, see “Downloading BlackICE PC Protection” on page 4.

Prerequisites

Before you install BlackICE PC Protection you must do the following:

- Scan your computer for viruses. Because BlackICE creates a baseline record of your system during the installation, you should ensure that the baseline record does not include viruses.
- Disable the real-time scanning function of any anti-virus detection software running on your computer to avoid unwanted interactions during the installation. You can enable this anti-virus function after the installation is completed.
- Know your license key number.

Reference: For more information about license keys, see “License key” on page 4.

Installation Procedure

To install BlackICE PC Protection:

1. Are you installing BlackICE PC Protection from the CD?
 - If *yes*, insert the CD into the CD-ROM drive to begin the installation.

The initial BlackICE installation screen appears. Go to Step 2.

Note: Before you continue installing, you can use this screen to visit the ISS website or view product information in the Readme file.
 - If *no*, locate the directory where you downloaded BlackICE PC Protection, and then double-click `BIPCPSetup.exe`. Go to Step 3.
2. Click **Install**.

The InstallShield Wizard for BlackICE PC Protection appears.
3. Click **Next**.

If the setup program detects an existing version of BlackICE, the program prompts you to uninstall or upgrade the existing version.

- To update BlackICE, select **Upgrade to version 3.6**.
- To remove BlackICE from your hard drive, select **Uninstall BlackICE**.

4. Read the End User License Agreement, and then click **I Accept** if you accept its terms.

The BlackICE PC Protection License window appears.

5. Enter your license key for BlackICE PC Protection.

Reference: For more information, see “License key” on page 4.

6. Click **Next**.

The Choose Destination Location window appears.

7. Select an installation folder.

Note: ISS recommends that you use the default destination location. If you choose to install BlackICE in a directory that is not the default directory, you must make sure the system has full read-write access to the installation directory. For information about setting permissions, see the Microsoft Windows documentation.

8. Click **Next**.

The Select Program Folder window appears.

9. Enter a name for the BlackICE shortcuts folder.

Important: The setup application places a shortcut in the Startup folder automatically, so that BlackICE starts protecting your computer as soon as you start the computer. Do not place BlackICE shortcuts in the Startup folder yourself.

10. Do you want to install BlackICE PC Protection with the Application Protection feature enabled?

- If *yes*, select **AP On**, and then click **Next**.

BlackICE is installed with the Application Protection component available. Go to Step 11.

Note: BlackICE now estimates how much time it will take to build a baseline record of the application files installed on your computer. This can take several minutes.

- If *no*, select **AP Off**, and then click **Next**.

BlackICE is installed with Application Protection disabled. Go to Step 11.

For more information about Application Protection, see “Setting Up Application Protection” on page 31.

, and then click **Next.**, and then click **Next.**The Start Copying Files window summarizes your selections.

11. Click **Finish.**

The Readme file opens, and the BlackICE PC Protection service starts automatically.

12. Review the Readme text and then close the Readme file.

Stopping BlackICE PC Protection

Introduction

When you close the BlackICE window, BlackICE PC Protection continues to monitor your system. To stop BlackICE from monitoring for intrusions and to stop protecting your computer against unknown or modified applications, you must manually stop the BlackICE intrusion detection and application protection features.

Note: Stopping BlackICE is not the same as removing it. For information about removing BlackICE PC Protection, see “Uninstalling BlackICE” on page 18.

Stopping BlackICE from the console

To stop BlackICE from the BlackICE PC Protection window:

1. From the menu bar, click **Tools** → **Stop BlackICE Engine**.

BlackICE stops monitoring incoming traffic, and a red diagonal line appears over the BlackICE icon. 

2. From the menu bar, click **Tools** → **Stop BlackICE Application Protection**.

BlackICE stops monitoring your system for unauthorized applications and applications connecting to a network.

Stopping BlackICE from the desktop

To stop BlackICE PC Protection from the desktop:

1. Right-click the BlackICE icon. 

2. Select **Stop BlackICE Engine**.

BlackICE stops monitoring incoming traffic, and a red diagonal line appears over the BlackICE icon. 

3. Right-click the BlackICE icon.

4. Select **Stop BlackICE Application Protection**.

BlackICE stops monitoring your system for unauthorized applications and applications connecting to a network.

Stopping BlackICE from the control panel (Windows NT)


To stop BlackICE from the Windows NT control panel:

1. Click **Start**→**Settings**→**Control Panel**.

2. Double-click **Services**.

The Services window appears.

3. Select **BlackICE**, and then click **Stop**.

BlackICE stops monitoring incoming traffic, and a red diagonal line appears over the BlackICE icon. 

4. Select **RapApp**, and then click **Stop**.

BlackICE stops monitoring your system for unauthorized applications and applications connecting to a network.

5. Click **Close**.

Stopping BlackICE from the control panel (Windows 2000)

To stop BlackICE from the Windows 2000 control panel:


1. Click **Start**→**Settings**→**Control Panel**.

2. Double-click **Administrative Tools**.

3. Double-click **Services**.

The Services window appears.

4. In the right pane, right-click **BlackICE**, and then select **Stop**.

BlackICE stops monitoring incoming traffic, and a red diagonal line appears over the BlackICE icon. 

5. In the right pane, right-click **RapApp**, and then select **Stop**.

BlackICE stops monitoring your system for unauthorized applications and applications connecting to a network.

Stopping BlackICE from the control panel (Windows XP)

To stop BlackICE from the Windows XP control panel:


1. Click **Start**→**Settings**→**Control Panel**.

2. Double-click **Performance and Maintenance**.

3. Double-click **Administrative Tools**.

4. Double-click **Services**.

The Services window appears.

5. In the right pane, right-click **BlackICE**, and then select **Action** → **Stop**.
BlackICE stops monitoring incoming traffic, and a red diagonal line appears over the BlackICE icon. 
6. In the right pane, right-click **RapApp**, and then select **Action** → **Stop**.
BlackICE stops monitoring your system for unauthorized applications and applications connecting to a network.

Restarting BlackICE PC Protection

Introduction

You can restart BlackICE PC Protection after you have stopped it, or you can restart your computer and let BlackICE PC Protection restart automatically.

Note: If you have stopped BlackICE PC Protection manually, it does not resume monitoring your system when you open the BlackICE PC Protection window on the desktop. To resume monitoring for intrusions and resume protecting your computer from unknown or modified applications, you must restart your system or follow one of the following procedures.

Restarting BlackICE from the main window

To restart BlackICE from the BlackICE PC Protection window:

1. From the menu bar, click **Tools** → **Start BlackICE Engine**.

BlackICE resumes monitoring incoming traffic, and the red diagonal line disappears from the BlackICE icon. 

2. From the menu bar, click **Tools** → **Start BlackICE Application Protection**.

BlackICE resumes monitoring your system for unauthorized applications and applications connecting to a network.

Restarting BlackICE from the desktop

To restart BlackICE from the desktop:

1. Right-click the BlackICE icon. 

2. In the pop-up menu, select **Start BlackICE Engine**.

BlackICE resumes monitoring incoming traffic, and the red diagonal line disappears from the BlackICE icon. 


3. Right-click the BlackICE icon.

4. In the pop-up menu, select **Start BlackICE Application Protection**.

BlackICE resumes monitoring your system for unauthorized applications and applications connecting to a network.


Restarting BlackICE from the control panel (Windows NT)

To restart BlackICE from the Windows NT control panel:

1. Click **Start**→**Settings**→**Control Panel**.
2. Double-click **Services**.
The Services window appears.
3. Select **BlackICE**, and then click **Start**.
BlackICE resumes monitoring incoming traffic and the red line disappears from the BlackICE icon. 
4. Select **RapApp**, and then click **Start**.
BlackICE resumes monitoring your system for unauthorized applications and outgoing transmissions.
5. Click **Close**.

Restarting BlackICE from the control panel (Windows 2000)

To restart BlackICE from the Windows 2000 control panel:


1. Click **Start**→**Settings**→**Control Panel**.
2. Double-click **Administrative Tools**.
3. Double-click **Services**.
The Services window appears.
4. In the right pane, right-click **BlackICE**, and then select **Start**.
BlackICE resumes monitoring incoming traffic and the red line disappears from the BlackICE icon. 
5. In the right pane, right-click **RapApp**, and then select **Start**.
BlackICE resumes monitoring your system for unauthorized applications and outgoing transmissions

Restarting BlackICE from the control panel (Windows XP)

To restart BlackICE from the Windows XP control panel:

1. Click **Start**→**Settings**→**Control Panel**.
2. Double-click **Performance and Maintenance**.
3. Double-click **Administrative Tools**.
4. Double-click **Services**.
The Services window appears.

5. In the right pane, right-click **BlackICE**, and then select **Action** → **Start**.

BlackICE resumes monitoring incoming traffic and the red line disappears from the BlackICE icon. 

6. In the right pane, right-click **RapApp**, and then select **Action** → **Start**.

BlackICE resumes monitoring your system for unauthorized applications and outgoing transmissions.

Restarting BlackICE by restarting your computer

When you restart your computer, BlackICE automatically resumes monitoring your computer unless you have disabled Application Protection.

Reference: For information on enabling and disabling Application Protection, see the online Help or the *BlackICE PC Protection User Guide*.

Updating BlackICE PC Protection

Introduction

ISS provides frequent updates to help BlackICE protect your computer from the latest attacks. You can download two kinds of updates:

- Software updates to improve BlackICE performance, fix bugs, or add features.
- Security content updates to enable BlackICE to protect against new kinds of intrusions.

Update notification

You can find out when an update is available in one of two ways:

- BlackICE can automatically check the ISS Web site for both kinds of updates at regular intervals. A small icon in the upper right corner of the BlackICE window indicates that an update is available.
- You can manually instruct BlackICE to check for updates.

Checking for updates automatically

If your computer is always on and connected to a network, it's a good idea to automatically check for software updates.

To check for updates automatically:

1. Click **Tools**→**Edit BlackICE Settings**.
2. Select the **Notifications** tab.
3. In the Update Notification area, select **Enable checking**.
4. In the **Interval for checking (in days)** box, select how often you want BlackICE to check for updates.
5. Click **OK**.

Important: BlackICE starts counting again if you restart the computer or stop and restart BlackICE. If you turn off your computer frequently, ISS recommends that you check for updates manually.

Downloading a software update

To use a software update, you must download and install it.

Note: If you have not chosen to have BlackICE check for software updates automatically, use this procedure to check for an update manually.

To check for an update manually:

1. Click **Tools**→**Download Installable Software Update**.

The application connects to the update Web site and the site checks your version number.

2. Is a later version available?

- If *yes*, click the update link, and then go to Step 3.
- If *no*, the Web page displays your version number and license key.

3. Do you want to run the setup file across the network?

- If *yes*, double-click the `update.exe` file.
- If *no*, save the `update.exe` file to your computer, and then double-click the file when you want to install the update.

Downloading a Security Content Update

To use a security content update, you must download and install it.

Note: If you have not chosen to have BlackICE check for security content updates automatically, use this procedure to check for an update manually.

To download a security content update:

1. Click **Tools**→**Download Installable Security Content Update**.

The application connects to the update Web site. If an update is available, the Windows File Download dialog appears.

2. Do you want to run the setup file across the network?

- If *yes*, click **Open**.
Windows downloads and starts the `pamupdate.exe` file. Go to Step 4.
- If *no*, click **Save** and choose a destination on your computer.
Windows stores the `update.exe` file to your computer

3. To install the update, double-click the `pamupdate.exe` file.

4. Click **Next**.

5. Read the License Agreement.

- If you accept the agreement, select **I Accept**, and then click **Next**.

BlackICE stops the intrusion detection service, installs the update, and restarts the service.

- If you do not accept the agreement, select **I Do Not Accept**.

The security content installation stops.

6. Click **Finish**.

Removing BlackICE PC Protection

Introduction

Before you remove BlackICE PC Protection, be sure to record your license key and store it in a safe place. You must re-enter your license key when you reinstall BlackICE.

Note: When you uninstall BlackICE, your system is no longer protected from intrusions.

Uninstalling BlackICE from the Windows Control Panel

To uninstall BlackICE from the Windows Control Panel:

1. Click **Start** → **Settings** → **Control Panel**.
2. Double-click **Add/Remove Programs**.
3. Locate the BlackICE program, and then click one of the following options based on your platform:
 - On Windows 98, Windows Me, or Windows NT, click **Add/Remove**.
 - On Windows 2000 or Windows XP, click **Change/Remove**.

The uninstall program asks you to confirm that you want to delete the program files.

4. Click **Yes**.
5. Do you want to remove the remaining intrusion files and delete the directory?
 - If *yes*, click **Yes**.
 - If *no*, click **No**.
6. Click **Finish**.

The system removes BlackICE from your computer.

Unable to uninstall

If you are unable to remove BlackICE PC Protection from your computer using the Windows Add/Remove Programs utility, you can use the `biremove` utility. The `biremove.exe` program deletes all the files in the BlackICE directory.

Important: Use the `biremove` utility only if you are unable to remove BlackICE PC Protection through the Windows Add/Remove utility.

**Uninstalling
BlackICE using the
biremove utility**

To remove BlackICE PC Protection using the `biremove` utility:

1. Locate the `biremove.exe` file on the BlackICE CD or in the BlackICE folder on your computer drive.

Important: Before proceeding, `biremove.exe`, back up any files in the BlackICE folder you do not want to delete.

2. Double-click `biremove.exe`.

The system starts the `biremove` utility.

3. Delete the BlackICE directory from your system.

Getting Help

Introduction You can find detailed information about using BlackICE PC Protection by using the online Help, downloading documents from ISS, or requesting technical support.

BlackICE Help To access the Help, do one of the following:

- On the menu bar, select **Help**→**BlackICE Help Topics**.
- In any BlackICE window, click **Help**.
- On a BlackICE configuration tab, click the question mark in the upper right corner, then click any screen option for a quick explanation of its use.

From the Web site For the latest information about BlackICE PC Protection, go to <http://www.iss.net>, and then click **Products and Services**→**Home and Small Office Protection**→**BlackICE**. Here you can search the following online resources:

- BlackICE Knowledge Base, which contains answers to frequently asked questions (FAQs)
- product documentation
- product updates and upgrade information

Technical Support For technical support, email support-l1@networkice.com.

Telephone support is not available for BlackICE PC Protection.

Chapter 2

BlackICE PC Protection Basics

Overview

Introduction

BlackICE PC Protection protects your computer from most types of intrusions as soon as you install it. There are, however, many features of BlackICE PC Protection you can customize. This chapter explains how to customize BlackICE PC Protection.

Note: This chapter provides only limited information about certain customizable features available in BlackICE PC Protection. The *BlackICE PC Protection User Guide* provides detailed information. Consult the *User Guide* if you are unsure about how to customize BlackICE.

In this chapter

This chapter contains the following topics:

Topic	Page
Choosing a Protection Level	22
Choosing the Information You Need	24
Managing Notification Settings	27
Customizing Your Firewall	28
Setting Up Application Protection	31
Responding to BlackICE Alerts	34

Choosing a Protection Level

Introduction

Protection levels are pre-designed sets of security settings developed for different types of Web use. The protection level you choose determines how aggressively BlackICE blocks network communications with your computer. You can change the protection level at any time, simply by selecting a different level.

Default setting

BlackICE PC Protection is initially configured to monitor your computer at the Paranoid protection level.

Protection levels

Paranoid: BlackICE blocks all unsolicited inbound traffic. This setting is very restrictive, but is useful if your system faces frequent or repeated attacks. This setting may restrict some Web browsing and interactive content. This setting is selected by default.

Nervous: BlackICE blocks all unsolicited inbound traffic except for some interactive content on Web sites (such as streaming media and other application-specific uses of the Internet). This setting is preferable if you are experiencing frequent intrusions.

Cautious: BlackICE blocks unsolicited network traffic that accesses operating system and networking services. This setting is good for regular use of the Internet.

Trusting: All ports are open and unblocked and BlackICE allows all inbound traffic. This setting is acceptable if you have a minimal threat of intrusions.

Choosing a protection level

To choose a protection level:

1. Click **Tools** → **Edit BlackICE Settings** → **Firewall**.
2. Select the appropriate protection level.
3. Do you want BlackICE to temporarily block all communications from computers that attempt intrusions?
 - If *yes*, select **Enable Auto-Blocking**.
 - If *no*, clear **Enable Auto-Blocking**.

4. Do you want to be able to share files and printers with other users on a network?
 - If *yes*, select **Allow Internet File Sharing**.
 - If *no*, clear **Allow Internet File Sharing**.
5. Do you want this computer to appear in the Network Neighborhood window of other computers on a network?
 - If *yes*, select **Allow NetBIOS Neighborhood**.
 - If *no*, clear **Allow NetBIOS Neighborhood**.
6. Click **Apply**.

Customizing protection levels

You can customize a protection level after you choose it. For more information about customizing a protection level, see the Help or the *BlackICE PC Protection User Guide*.

Choosing the Information You Need

Introduction

You probably will not need to inspect all the information that BlackICE gathers about the Internet traffic that reaches your computer. This topic describes some of the ways you can customize which events you see.

Filter events

You can configure BlackICE to display only those events that present a certain level of risk to your system. For example, BlackICE determines port scans from your ISP to be of only informational interest. You can have BlackICE omit those events from the Events tab.

Filtering the Events list

To filter events:

1. Click **View** → **Filter by Event Severity**.
2. Select the least severe events you want BlackICE to show.

Tip: If you select **Suspicious**, all suspicious, serious, and critical attacks appear. If you select Informational, all intrusions appear.

Note: When the list is filtered, the Filter by Event Severity list shows only the severity icons for the events you choose to see. For example, if the list is filtered to show only serious and critical events, the suspicious and informational icons do not appear.

Freeze events

Sometimes BlackICE records events so quickly that you can have trouble keeping track of them as they appear on the Events tab. When this happens, you can freeze the Events tab and respond to the events at your convenience. Freezing the Events list only stops BlackICE from refreshing the tab information, it does not stop the monitoring, detection, and protection features of BlackICE PC Protection.

Note: Remember to unfreeze the application after you view the events so that BlackICE can show any new attacks. When you restart the computer, BlackICE resets itself to an unfrozen state.

Freezing the Events tab

To freeze the Events tab:

- Click **View** → **Freeze**.

- Clear events** Even if you are filtering out low risk events, your events list can grow very long. You can clear individual events from the Events tab, or you can clear the whole events list.
- Clearing an individual event** To clear an individual event:
- Right-click the event, and then select **Delete**.
- Clearing the Events list** To clear the Events list:
- Note:** Clearing the event list does not stop BlackICE from trusting, blocking or ignoring events or intruders.
1. Click **Tools**→**Clear Files**.
The Files to Delete window appears.
 2. Do one of the following:
 - Select **Attack-list.csv** to delete all intrusion records from the Events tab.
 - Select **Evidence logs** to delete all evidence log data.
 - Select **Packet logs** to delete all packet log data.
 3. Click **OK**.
A message informs you that you are about to delete the list.
 4. Click **OK**.
- Display relevant information** You can configure BlackICE to show only the information you are most interested in. For example, if you find that multiple attacks on your computer use the same protocol, you can have BlackICE display the Protocol column in the Events tab.

Choosing columns to display

To select columns to display:

1. On the Events or Intruders tab, right-click the column header, and then select **Columns**.

The Columns window appears.

2. Follow the instructions on the Columns window to customize the appearance of the columns.
3. Click **OK**.

Managing Notification Settings

- Introduction** BlackICE can notify you of events by making a sound or by showing an alert icon in your system tray. The alert icons indicate the seriousness of the event.
- Default setting** BlackICE PC Protection is configured to display a visible indicator of all events it detects.
- Procedure** To set BlackICE alarm preferences:
1. Click **Tools**→**Edit BlackICE Settings**.
 2. Select the **Notifications** tab.
 3. In the Event Notification area, do one or both of the following:
 - Select **Visible Indicator**, and then select the severity option level to trigger a visible alarm.
 - Select **Audible Indicator**, and then select the severity option level to trigger a .wav file.

Note: If you select the Audible Indicator option, the **WAV File** field shows the default alarm sound (bialarm.wav). To change the .wav file used in audible notification, click the folder icon and locate the desired file.
 4. Click **Apply**.
 5. Click **OK**.

Customizing Your Firewall

Introduction

BlackICE PC Protection identifies and blocks most intrusions according to your preset protection level, but you may still notice activity that is not explicitly blocked. This topic describes how to block intrusions from a specific intruder and how to ignore certain types of events. This topic also lists other firewall settings you may want to customize.

Caution: Do not block port scans from your own ISP. This can violate your ISP term of service and you may be disconnected.

Block intruders

You can block any intruder listed on your events list by adding the intruder's IP address to your firewall. After you block an intruder, BlackICE blocks any traffic from that intruder's IP address.

Blocking an intruder or an event

To block an intruder or an event:

1. Do one of the following:
 - On the **Intruders** tab, right-click the intruder.
 - On the **Events** tab, right-click the event.
2. On the pop-up menu, select **Block Intruder**.
3. On the pop-up menu, select the duration of the block.

Note: A month is defined as 30 days.
4. Click **Yes**.

Ignore events

To help reduce the amount of information BlackICE displays, you can choose to ignore events that do not present a threat to your computer. For example, your ISP may carry out routine port scans for its own management purposes. If BlackICE displays many port scan events from your ISP, you may want to configure BlackICE to ignore all events of this type from this intruder.

Note: When you configure BlackICE to ignore events, BlackICE does not log any information about those events.

Ignoring an event

To ignore an event:

1. On the **Events** tab, right-click the event, and then select **Ignore Event**.
2. From the pop-up menu, select one of the following:
 - **This Event:** BlackICE ignores all future instances of the selected event.
 - **This Event by this Intruder:** BlackICE ignores all future instances of this event by this intruder.
3. Click **Yes**.

BlackICE adds the event to the list of ignored events on the **Detection** tab in the **BlackICE Settings** window.

Ignore a future event

To ignore a future event:

1. Click **Tools**→**Edit BlackICE Settings**.
 2. Select the **Intrusion Detection** tab.
 3. Click **Add**.
- The Exclude from Reporting window appears.
4. Do one of the following:
 - To ignore future events of a specific type, go to Step 5.
 - To ignore future events from a specific intruder, go to Step 6.
 5. Select **All** in the **Addresses to Trust** area, and then go to Step 8.
 6. Type the IP address of the intruder in the **IP** box.

- Use standard 000.000.000.000 notation.

- If you ignore events from a range of IP addresses, place a dash between them. For example, 192.168.10.23–192.168.10.32.

7. In the **Events to Ignore** area, clear the **All** check box.

The system enables the **Name** and **ID** boxes, and disables the **Add Firewall Entry** check box.

8. Select the event type in the **Name** box, or select the event number in the **ID** box.
9. Click **Add**.
10. Click **OK**.

Additional firewall customization

BlackICE allows you to customize additional firewall settings, such as:

- blocking a port
- blocking a specific IP address
- accepting a specific IP address
- accepting a specific port
- trusting a specific address

For more information about customizing these settings, see the *BlackICE PC Protection User Guide*.

Setting Up Application Protection

Introduction

BlackICE PC Protection protects your computer from the potentially harmful activity of unauthorized applications by monitoring the applications on your computer. Application Protection consists of two main features:

- **Application control:** enables you to control which applications may launch. This can prevent unknown and possibly destructive applications from damaging your computer.
- **Communications control:** enables you to control which applications have access to a local network or the Internet. This can prevent unauthorized applications communicating on the Internet and can even prevent intruders from using your computer to launch attacks against other systems.

Application Protection

BlackICE protects your computer from unknown applications and from applications connecting to a network, such as the Internet. First, BlackICE creates a baseline record of the approved applications on your computer. Then, it compares that baseline with any application that attempts to launch or communicate with a network. If the application does not match the baseline, BlackICE asks you if you want to stop the application or let it continue.

Turning off Application Protection

To turn off Application Protection, click **Tools**→**Edit BlackICE Settings**, and select either the Application Control tab or the Communications Control tab. Then clear the Enable Protection check box.

Important: BlackICE cannot protect you from applications that were installed or modified before you installed BlackICE PC Protection. If you create a baseline record that includes malicious applications, those applications will still be able to launch and connect to a network.

Application control default setting

BlackICE PC Protection is initially configured to ask you what to do when it detects an unknown or a modified application trying to launch. BlackICE also is configured to protect its own program files, so that BlackICE configuration files cannot be altered without your authorization.

Changing the Application Control settings

To control which applications can run on your computer:

1. Click **Tools** → **Edit BlackICE Settings**.
2. Select the **Application Control** tab.
3. In the **When an unknown application launches** section, select one of the following:
 - **Ask me what to do:** BlackICE prompts you to specify whether you want unknown applications to launch. This setting is selected by default.
 - **Always terminate the application:** BlackICE terminates any unknown applications that attempt to launch.
4. In the **When a modified application launches** section, select one of the following:
 - **Ask me what to do:** BlackICE prompts you to specify whether you want modified applications to launch. This setting is selected by default.
 - **Always terminate the application:** BlackICE terminates any modified applications that attempt to launch.
5. Select the **Protect Agent Files** check box if you want to prevent changes being made to the BlackICE configuration files. This box is selected by default.
6. Click **OK**.

Communications control

You can configure BlackICE PC Protection to notify you whenever an application tries to connect to a network. BlackICE detects outbound transmissions and asks you what you want to do. You can allow your computer to connect, or you can tell BlackICE to block the transmission. In either case, you can make your choice permanent or for this occurrence only.

Communications control default setting

BlackICE communications control is configured to prompt you before terminating any application.

Changing the communications control settings

To control outbound communications:

1. Click **Tools**→**Edit BlackICE Settings**.
2. Select the **Communications Control** tab.
3. Select one of the following:
 - **Always terminate the application:** BlackICE automatically shuts down the application attempting to connect to the network.
 - **Prompt before terminating the application:** BlackICE asks you if you want to terminate the application attempting to connect to the network. This setting is selected by default.
 - **Always block network access for the application:** BlackICE blocks the application from connecting to the network but does not terminate the application.
 - **Prompt before blocking network access for the application:** BlackICE asks you if you want to block the application from connecting to the network but does not terminate the application.
4. Click **OK**.

Disabling Application Protection

To disable Application Protection:

1. Click **Tools**→**Edit BlackICE Settings**.
2. Select the **Application Control** tab or the **Communications Control** tab.
3. Clear **Enable Advanced Application Protection**.
Note: When you disable Application Protection, you disable both application control and communications control.
4. Click **OK**.

Responding to BlackICE Alerts

Introduction

BlackICE PC Protection indicates the severity of an event by placing an icon beside each event listed on the Events tab. BlackICE PC Protection indicates the action taken in response to the event by placing a mark on the severity level icon.

Severity levels

BlackICE indicates the seriousness of an intrusion by displaying an icon and a number on the Events tab. This table shows the icon and range of numbers for each severity level:





Icon	Rank	Description
	7-10	Critical event: A deliberate attack on your system.
	4-6	Serious event: A deliberate attempt to access information on your system without directly damaging anything.
	1-3	Suspicious event: Network activity that is not immediately threatening, but may indicate that someone is trying to locate security vulnerabilities in your system.
	0	Informational event: A network event that is not threatening, but is worth noting.

Table 2: Security level icons and what they mean

Response levels

BlackICE indicates how it responded to an event by overlaying a mark on the event's severity level icon. The following table shows the response level overlays:



Mark	Effect
	Attack Blocked: (Black line overlay) BlackICE successfully stopped the intrusion. BlackICE may also have blocked the intruding computer. To see if BlackICE is blocking the intruder, double-click the event.
	Attack Unsuccessful: (Gray line overlay) Other defenses successfully stopped the intrusion, so BlackICE did not need to block it. The event did not compromise the system.

Table 3: Response overlays and what they mean



Mark	Effect
(None)	Attack Status Unknown: (No overlay) BlackICE took protection measures, but some packets may have made it through to your computer. It is unlikely that the event compromised the system.
	Attack Possible: (Orange overlay) BlackICE triggered protection measures, but some attacking packets were able to get through to your computer. The event may have compromised the system.
	Attack Successful: (Red overlay) BlackICE detected but could not block the intrusion. The event has compromised the system.

Table 3: *Response overlays and what they mean (Continued)*

Index

a

- accepting a specific IP 30
- accessing the online Help 20
- alert
 - audible 27
 - visual 27
- alert preference
 - setting 27
- application control 2, 32
 - default setting 31
 - limitations 31
- application protection 31
 - application control 31
 - communication control 31
 - disabling 33
 - restarting 12
 - stopping 9
- Attack Blocked overlay 34
- Attack Possible overlay 35
- Attack Status Unknown overlay 35
- Attack Successful overlay 35
- Attack Unsuccessful overlay 34
- audible alert 27
 - wav file 27
- automatically checking for updates 15

b

- baseline record
 - creating a new record 31
 - installation prerequisites for 6
- biremove utility 18

BlackICE

- controlling applications 2
 - controlling network access 1
 - firewall capabilities 1
 - intrusion detection 1
 - restarting 12
 - stopping 9
 - uninstalling 18
- BlackICE Help 20
- blocking
 - intruders 28
 - port 30
 - specific IP 30

C

- Cautious 22
- changing
 - protection level 23
 - wav file 27
- checking for updates 15
- choosing
 - protection level 22
- clear events list 25
- communications control 1, 32–33
 - default setting 32
- contacting support 4, 20
- controlling
 - applications 32
 - communications 33
- Critical event icon 34
- customizing
 - protection level 23

d

- default 33
- default setting
 - application control 31
 - communications control 32
 - protection level 22
- disabling
 - application protection 33
- downloading 4
- downloading updates 15

e

- events
 - clear, list 25
 - filter, list 24
 - freeze list 24
 - ignoring 29

f

- FAQ 20
- filter events list 24
- freeze events list 24
- frequently asked questions 20

g

- getting help 20
- getting support 20

h

- help 20
 - product documentation 20
 - technical support 20
 - with BlackICE 20

i

- icon
 - Critical event 34
 - Informational event 34
 - Serious event 34
 - Suspicious event 34
- ignoring events 29
- Informational event icon 34
- installation
 - default location 7
 - updating existing 15
- installation instructions 6
- installation prerequisites 6
- installing 6
 - prerequisites 6
- intruders
 - blocking 28
- intrusion
 - severity levels 34

l

- license key
 - needed for installation 6
 - recording 18
 - replacing 4
- limitations of application control 31

m

- manually checking for updates 15
- monitoring
 - restarting 12
 - stopping 9

n

- Nervous 22

O

- online resources
 - advICE library 20
 - help 20
 - knowledge base 20
 - product documentation 20
- outbound communications 33
- overlay
 - Attack Blocked 34
 - Attack Possible 35
 - Attack Status Unknown 35
 - Attack Successful 35
 - Attack Unsuccessful 34

P

- Paranoid 22
- port
 - blocking 30
- prerequisites
 - installation 6
- product documentation 20
- product updates 20
- protection level
 - Cautious 22
 - changing 23
 - choosing 22
 - customizing 23
 - default setting 22
 - Nervous 22
 - Paranoid 22
 - Trusting 22

R

- restarting
 - application protection 12
 - BlackICE 12
 - monitoring 12

- restarting BlackICE
 - by restarting your system 14
 - from the control panel 13
 - from the desktop 12

S

- Serious event icon 34
- setting
 - alert preference 27
- severity levels 34
- software updates 15
- specific IP
 - blocking 30
 - trusting 30
- specific IP, accepting 30
- stop monitoring 9
- stopping application protection 9
- stopping BlackICE 9
 - from the console 9
 - from the desktop 9
 - Windows 2000 control panel 10
 - Windows NT control panel 10
 - Windows XP control panel 10
- support 4, 20
- Suspicious event icon 34

T

- technical support 20
 - email address 4, 20
- Trusting 22
- trusting
 - specific IP 30

U

- unable to uninstall 18
- uninstalling
 - biremove utility 18
 - BlackICE 18

updates 15
 checking for automatically 15
 checking for manually 15
 downloading 15
updating
 existing installation 15
updating an application 31
upgrade information 20

V

visual alert 27

W

wav file 27

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