



**Remote Desktop  
Sharing**

**Fast  
Simple  
Secure**

**Introductory Guide**

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## DesktopECHO Features

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- High performance access to remote a PC's display and filesystem
- Share a desktop by simply running a small download, no setup or installation required
- Administrator rights are not required
- Works with nearly any Internet-capable Windows PC.
- Firewall friendly, no need to open incoming ports
- Broad compatibility: Windows 95/98/2K/XP/2003 are supported
- Small download footprint, about 700kb for ECHO/Share and 600kb for ECHO/Connect
- Secure: Encrypted point-to-point communication between computers

## Using DesktopECHO

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Establishing a DesktopECHO session is a simple process.

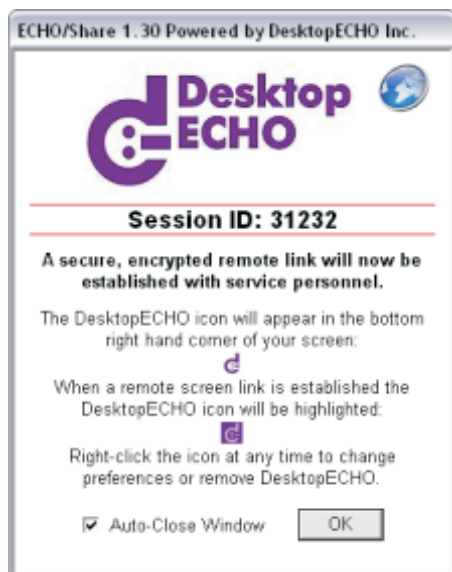
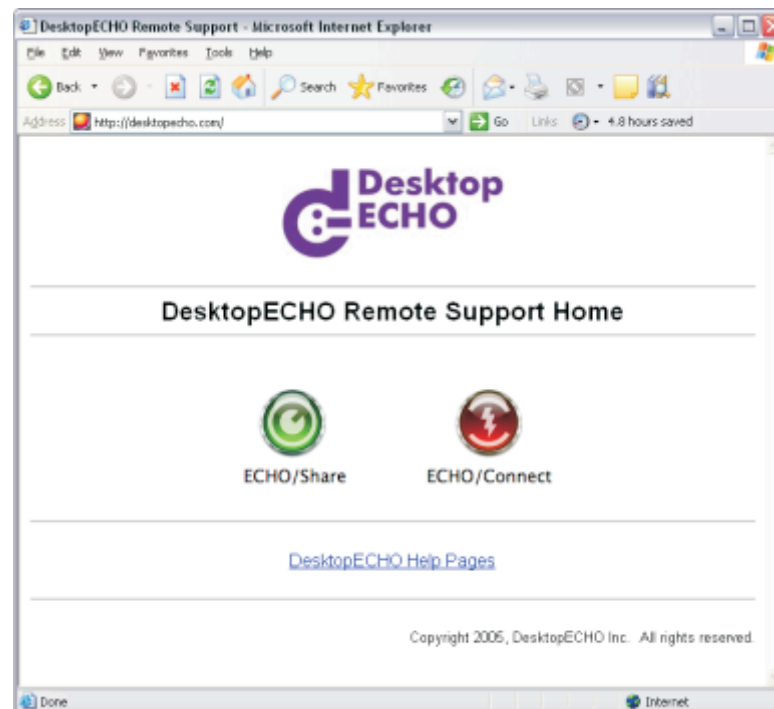
Envision two PC's:

- One PC will share its desktop using the **ECHO/Share** package
- A second PC will connecting to the first PC's desktop using **ECHO/Connect**

## DesktopECHO - ECHO/Share

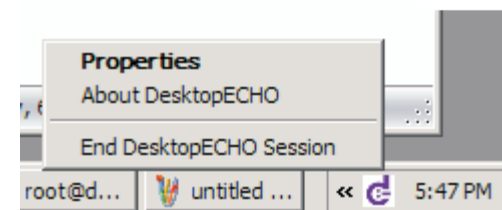
The PC user sharing a desktop will point their browser to <http://desktapecho.com> and download the **ECHO/Share** package

When the digitally-signed ECHO/Share package is downloaded, the user proceeds to run the executable



Soon after the ECHO/Share is started, a window will appear with a unique five-digit "Session ID"

A moment later, an icon appears in the user's system tray



The ECHO/Share component is now set-up and ready for an incoming connection. At any time the user can right-click the DesktopECHO tray icon to set advanced options or to end the session

## DesktopECHO - ECHO/Connect Authentication

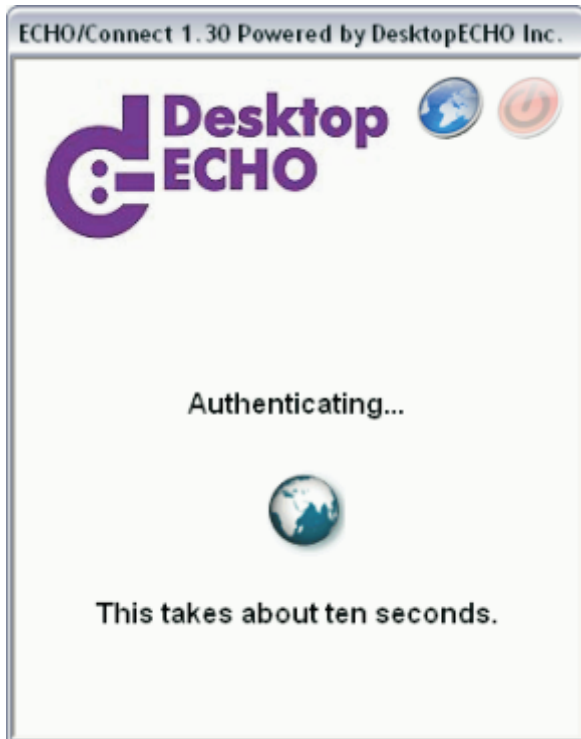
The user connecting to the ECHO/Share proceeds to <http://desktopecho.com> to download and run the **ECHO/Connect** executable

Once opened, click the **Authenticate** icon to login to the DesktopECHO ECHO Server:



The Connector needs a valid login, plus the five digit **“Session ID”** provided by the PC running the SharePoint package.

# DesktopECHO - ECHO/Connect Authentication



After a few seconds, ECHO/Connect will return to the main window



ECHO/Connect is now linked to the computer running the ECHO/Share download on Link Number 31232

The ECHO/Connect authentication is complete. Users can now access the ECHO/Share's desktop or filesystem by clicking on the appropriate icon.

## DesktopECHO - ECHO/Connect Main Window

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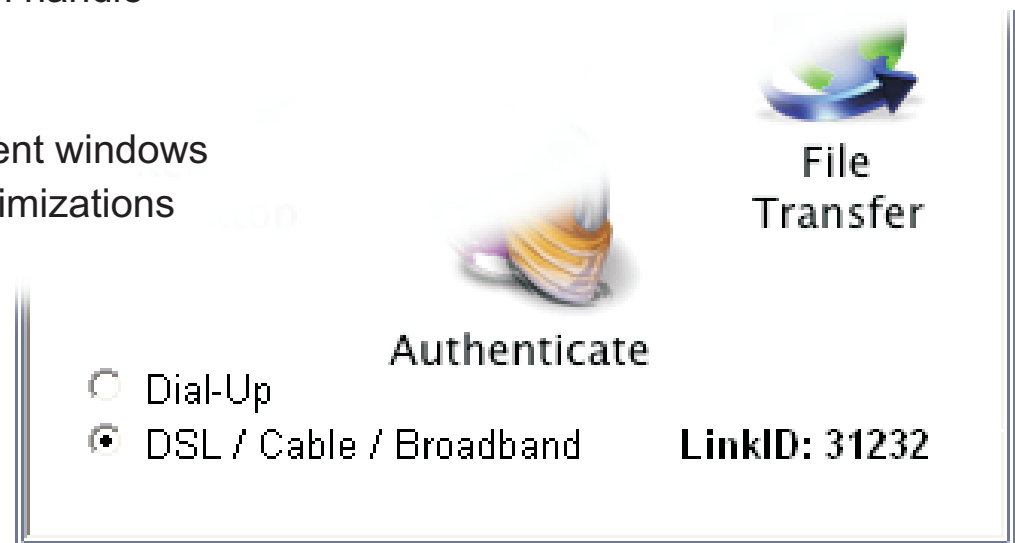
### “Dial-Up” or “DSL / Cable / Broadband” Radio Button

DesktopECHO can be tuned for lower speed Internet connections.

Selecting the “Dial-Up” radio button gives better performance on slow or congested networks.

The “DSL / Cable / Broadband” option provides an optimal user experience on faster networks that can handle higher bandwidth utilization.

Set the radio button as required. Subsequent windows opened will use the reduced-bandwidth optimizations



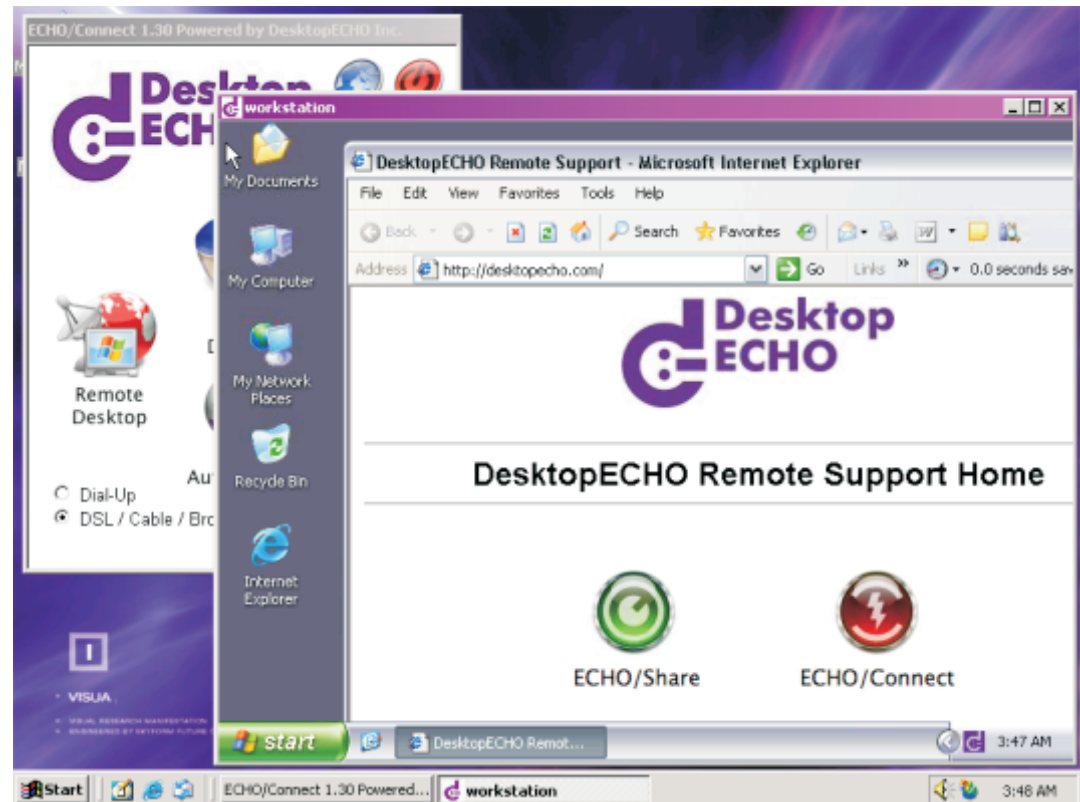
## DesktopECHO - ECHO/Connect Main Window

### Shared Desktop

When a user clicks the Shared Desktop icon in ECHO/Connect, a real-time view of the ECHO/Share's desktop is presented.

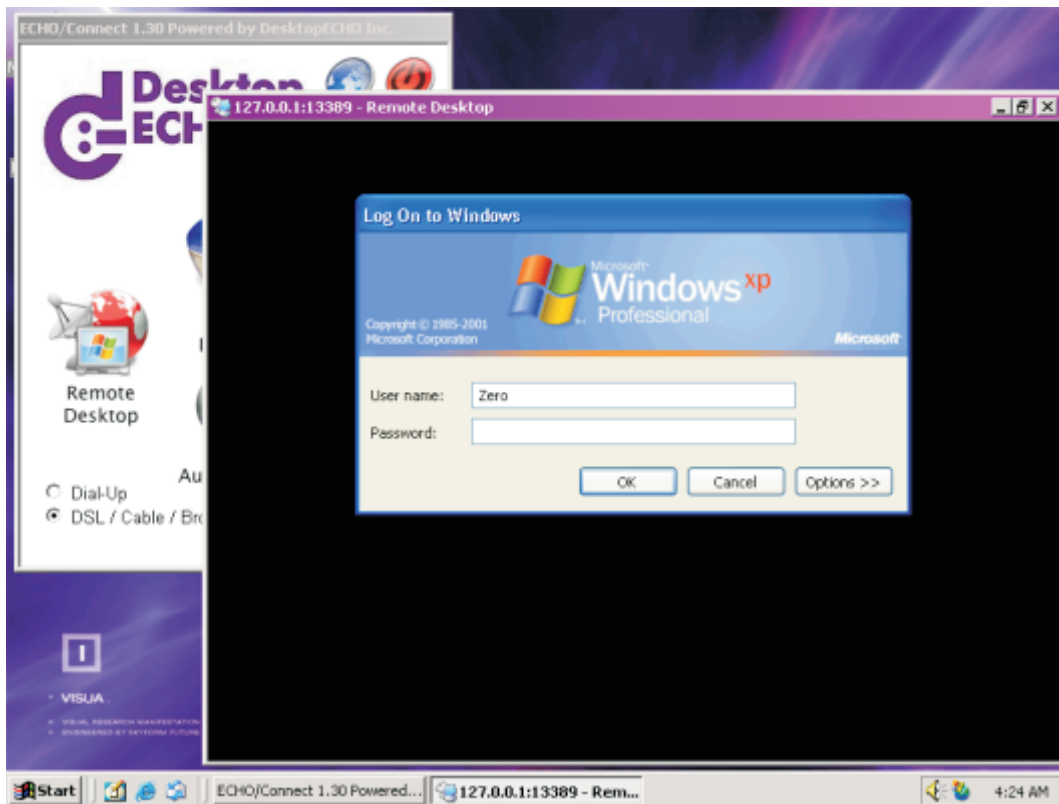
The ECHO/Connect user has full interactive use of the ECHO/Share's desktop. Keyboard and mouse input is accepted from both sides.

DesktopECHO's Shared Desktop is routed through an encrypted tunnel to protect privacy and security over untrusted networks.



## DesktopECHO - ECHO/Connect Main Window

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### Remote Desktop

This feature of DesktopECHO allows a user to leverage Windows 2000 Server, XP Pro, or Windows 2003's Terminal Services without the need to open incoming ports on a firewall.

Road Warriors who run Windows XP Pro in their homes are able to login to their feature-rich desktops with full sound and printer remapping support.

Like DesktopECHO's Share Desktop feature, all traffic remains encrypted.

## DesktopECHO - ECHO/Connect Main Window

### File Transfer

DesktopECHO features an embedded, high performance FTP server tuned to work with Windows Explorer's built-in FTP support.

This enables the ECHO/Connect user to move files to or from the ECHO/Share.

With Windows drag-and-drop simplicity users can upload or download files to any drive or mapped network device.

All FTP traffic tunneled over the DesktopECHO link is ZLIB compressed, providing impressive throughput gains over the standard FTP protocol.



## DesktopECHO - Target Audiences

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### IT or Helpdesk scenarios

Increase productivity and client satisfaction, solving customer issues quickly and eliminating need for site visits.

### Impressive sales tool

Use DesktopECHO to demonstrate software and services on a customer's PC

### Lightweight, "Instant VPN"

Organizations can take advantage of DesktopECHO's ease-of-use to securely make remote desktops and terminal servers available, without risking exposure to the Internet.

### "White Label" Branding

Enterprise clients have the ability to "brand" DesktopECHO with their own logo to strengthen corporate identity with their customers.

### Software Developers

Embed DesktopECHO in your application to provide assistance when users are experiencing support issues. Invaluable tool to assist in troubleshooting.

# DesktopECHO - Frequently Asked Questions

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## What are the requirements to use DesktopECHO?

From an operating system point of view, DesktopECHO supports all Windows versions from Win95 to Windows Server 2003. From a connectivity standpoint, a firewall need only allow WWW outbound traffic on the ECHO/Share, and Secure Shell in ECHO/Connect.

In other words, if the ECHO/Share user can 'surf the web' and isn't isolated from the Internet by a web proxy, a successful DesktopECHO session will be established.



Open, Secure  
and Proven  
Technology  
**I N S I D E**

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Blowfish Encryption

Diffie-Hellman  
Key Exchange

OpenSSH

## Is DesktopECHO Secure?

All communication between the ECHO/Share, ECHO Server, and ECHO/Connect is encrypted in a fashion similar to conventional VPN's.

DesktopECHO's 128-bit encryption stream also benefits from real-time protocol compression for improved performance.

