



User's Guide

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Introduction to CodeTek VirtualDesktop 2.1

Welcome To CodeTek VirtualDesktop!

CodeTek VirtualDesktop extends Mac OS X to behave as if it has up to 100 separate monitors attached to it. Using CodeTek VirtualDesktop, you can organize your application windows however you like, eliminating the clutter that arises when many applications are running. CodeTek VirtualDesktop greatly increases your efficiency as you work with multiple windows.

CodeTek VirtualDesktop allows you to:

- Create up to 100 virtual desktops
- Switch active windows simply by pointing with the mouse (“Focus follows mouse”)
- Drag windows between virtual desktops
- Use HotKeys to rapidly switch between virtual desktops
- Use HotKeys to activate/deactivate features, quit CodeTek VirtualDesktop or open the preferences
- Give desktops individual names and desktop pictures
- Navigate between your virtual desktops using a menu bar tool
- Manage your virtual desktops with a fully configurable Pager interface, which can be hidden so that it doesn’t take up valuable screen space.

Getting Started With CodeTek VirtualDesktop

Installing CodeTek VirtualDesktop

To install CodeTek VirtualDesktop for the first time, simply drag its application icon from the disk image to anywhere on your computer's hard drive.

Upgrading from a Previous Version of CodeTek VirtualDesktop

To upgrade from an earlier version of CodeTek VirtualDesktop that you already have installed, perform all of the following steps:

1. Quit CodeTek VirtualDesktop if it is running
2. Drag its application icon to the trash
3. Log out and log back in
4. Once you have logged back in, you may empty CodeTek VirtualDesktop from your trash
5. Drag the application icon for the new version of CodeTek VirtualDesktop from the disk image to anywhere on your computer's hard drive

Uninstalling CodeTek VirtualDesktop

To uninstall CodeTek VirtualDesktop, perform all of the following steps:

1. Quit CodeTek VirtualDesktop if it is running
2. Drag its application icon to the trash
3. Log out and log back in
4. Once you have logged back in, you may empty CodeTek VirtualDesktop from your trash

Using CodeTek VirtualDesktop for the First Time

To start CodeTek VirtualDesktop, double-click on its application icon. CodeTek VirtualDesktop will display a message informing you that it is starting up, and its Pager interface will appear in the lower-left corner of your screen.

When you have no windows open on your screen, the Pager will be empty and your screen will look like the example screen in Fig. 1.



Figure 1: An Empty Virtual Desktop



Figure 2: Pager Layout

Opening a Finder window (e.g. by double-clicking on your hard drive icon) will result in the Pager displaying a corresponding Finder “mini-window” (see Fig. 3).

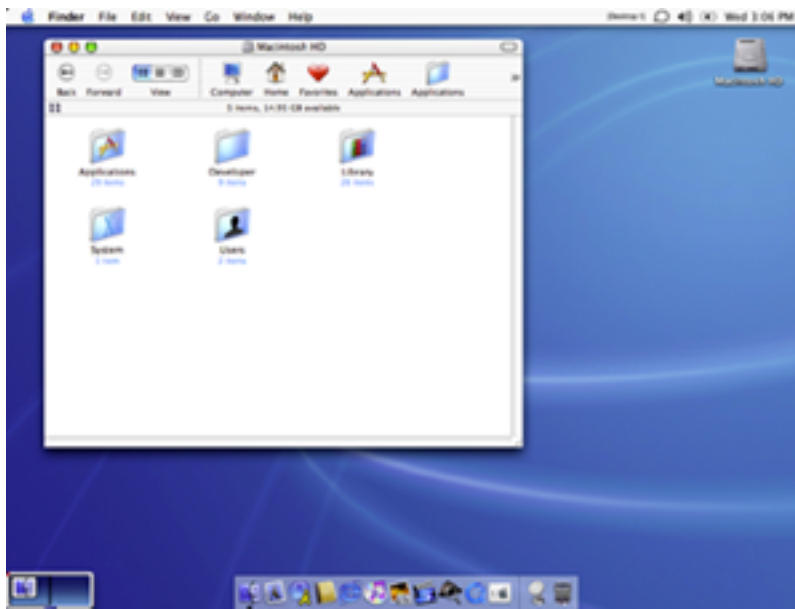


Figure 3: Finder window open on current desktop

You can move the Finder window from the current desktop to another desktop by dragging the mini-window in the Pager from its current square to the square on the right of the Pager. You will see the Finder window move as you move the mini-window in the Pager. After you drag the mini-window to the new desktop and release the mouse button, the window will no longer be visible on your screen (Fig. 4).



Figure 4: Finder window open on a different desktop

The first time that you place a window on another desktop or attempt to switch to that desktop, a pop-up window will appear telling you that you have not accepted the license agreement (Fig. 5).



Figure 5: “License not accepted” pop-up

Clicking on the “OK” button of that pop-up will open CodeTek VirtualDesktop’s Preferences window to the Registration tab. You will need to read and agree to the license by clicking the “Yes, I Agree” button. Close the Preferences window by hitting the “Command-W” key sequence. (For more information on product registration, see the **Registering CodeTek VirtualDesktop** section.)

Click on the square on the right side of the pager that contains the Finder mini-window to switch to that desktop. You will notice that the Finder window once again appears on your screen, and the square that contains the Finder window is now highlighted, signifying that it is the currently active desktop (Fig. 6).



Figure 6: Desktop 2 is now the active desktop

Clicking on the empty square on the left side of the Pager will bring you back to your original desktop (and cause the Finder window to disappear). Then, open another Finder window. The new window will be visible on your screen and a corresponding mini-window will appear in the Pager (Fig. 7). Click on the different squares in the Pager to switch between the two desktops, and notice how only the Finder window for the currently active desktop is displayed on the screen.

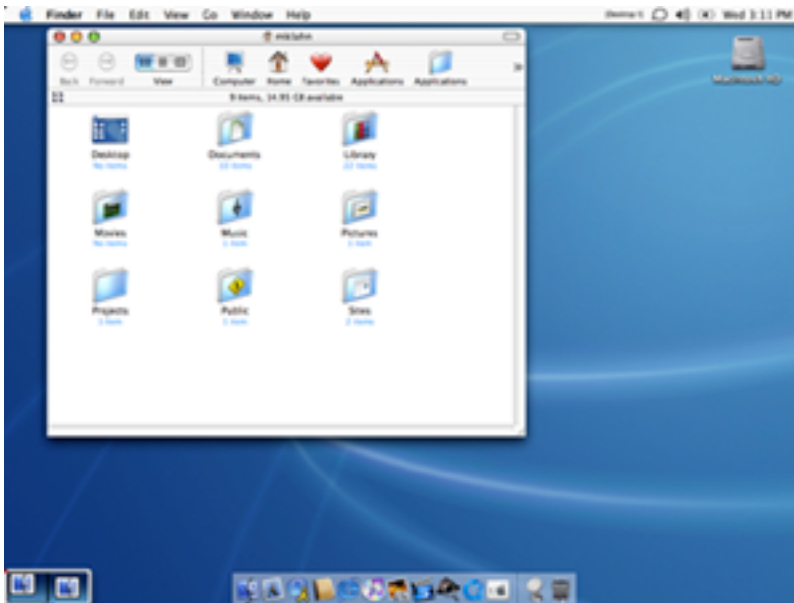


Figure 7: One Finder window open on each desktop

By using CodeTek VirtualDesktop to group your different windows on different desktops, you can organize your applications and their windows in whatever way you find most comfortable and efficient. For example, you can group applications on different desktops by their function: one desktop for your web browser windows, one desktop for e-mail, and one for graphics editing.

Customizing CodeTek VirtualDesktop to Your Preferences

In addition to displaying all of your virtual desktops and their mini-windows, the CodeTek VirtualDesktop Pager has two buttons that allow you to interact with CodeTek VirtualDesktop (Fig. 8). Clicking on the red button in the upper-left corner of the Pager will quit CodeTek VirtualDesktop. The blue button in the bottom-center of the Pager will open the CodeTek VirtualDesktop Preferences window (Fig. 9).

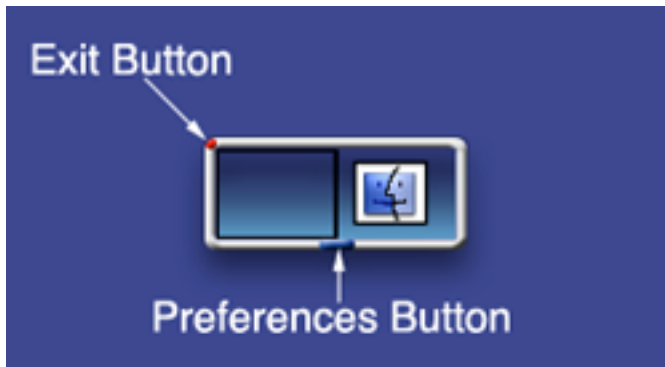


Figure 8: Pager buttons

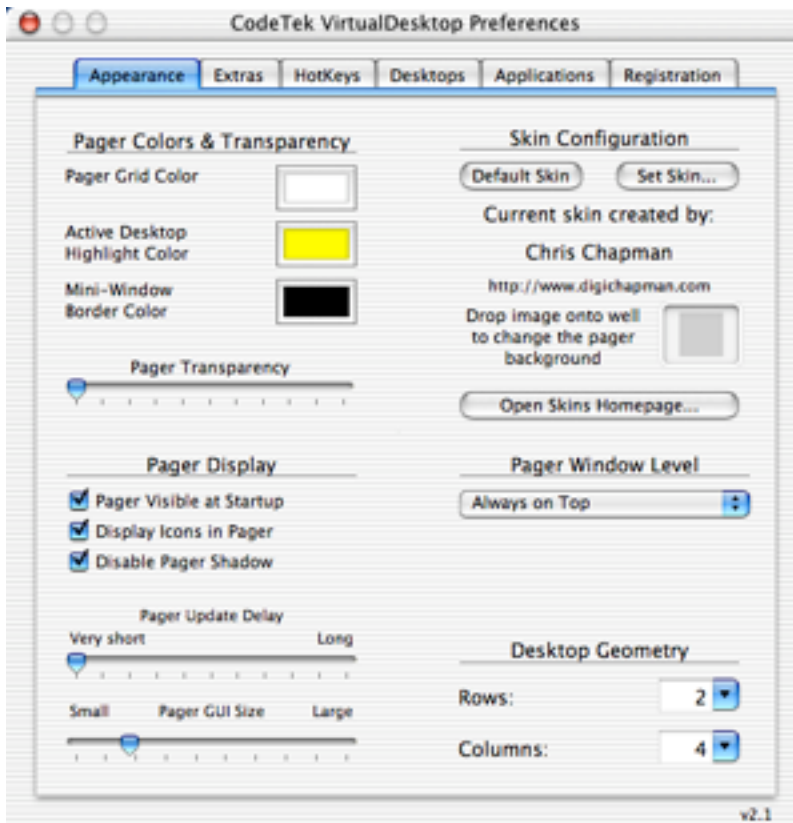


Figure 9: Preferences window

With the Preferences window, you can adjust all of the features in CodeTek VirtualDesktop to your liking. For example, many users will want more than just two desktops (the default number). To change the number of desktops that you have, go to the Appearance tab of the Preferences window, and select the number of rows and columns you would like to have in the Pager under the “Desktop Geometry” heading. (The total number of desktops you have is the number of rows multiplied by the number of columns.)

NOTE: In order to use more than two desktops, you will need to register your copy of CodeTek VirtualDesktop. See the **Registering CodeTek VirtualDesktop** section for details on how to do this.

There are many more ways to customize CodeTek VirtualDesktop through the Preferences window. See the **User Reference** for a complete guide to configuring CodeTek VirtualDesktop.

Registering CodeTek VirtualDesktop

If you wish to have more than two virtual desktops, you will need to register your copy of CodeTek VirtualDesktop. To register, go to the Registration tab of the Preferences window (Fig. 10). Click on the “Purchase Registration Code...” button to go to the CodeTek Studios website and purchase a registration code.

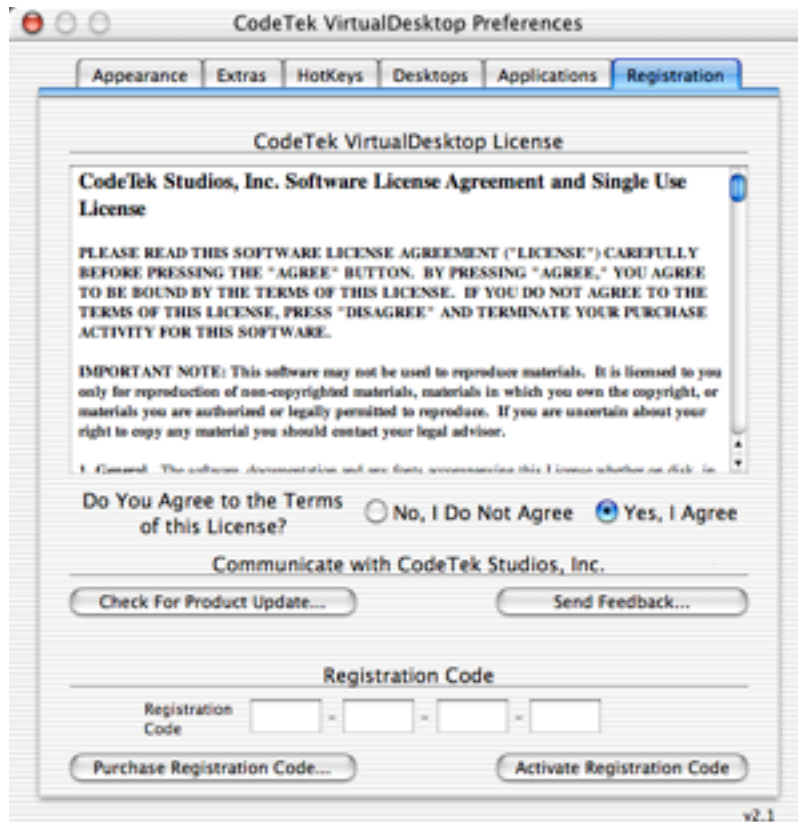


Figure 10: Registration tab

After your transaction is complete, a registration code will be emailed to you. When you have received your code, enter it in the “Registration Code” fields at the bottom of the Registration tab. Once you have entered your code, clicking the “Activate Registration Code” button will complete the registration process and activate the full functionality of CodeTek VirtualDesktop.

User Reference

There are three main ways of interacting with CodeTek VirtualDesktop: the Pager window, the menu bar tool, and contextual menus.

The Pager Window

When you launch CodeTek VirtualDesktop for the first time, the Pager window will appear on your desktop, floating above all the other windows on your screen. The Pager displays all of your virtual desktops along with mini-window rectangles that represent the visible windows on your system. The Pager in Figure 11 below has two desktops in a 1-row by 2-column layout. You may switch to a desktop by clicking on that desktop in the Pager. If you click on a mini-window, you will switch to that desktop and that window will come to the front of your screen and will accept keyboard input. If you click on a desktop but not on any mini-window in that desktop, the Finder will become active. You may keep the currently active application on the new desktop by holding the **shift** key down when you click on the pager.

You may move a window between virtual desktops by dragging its mini-window from its current Pager location to the desired desktop in the Pager. Windows may also be dragged between desktops by dragging them to the edge of the screen and through to the next consecutive desktop. You may also carry a window to a new desktop by clicking and holding the title bar of the window and pressing a HotKey sequence to change desktops.



Figure 11: The Pager

There are two buttons on the Pager: a red "Quit" button in the upper-left corner and a blue "Preferences" button in the bottom-center of the Pager. Clicking on the red button will quit CodeTek VirtualDesktop and clicking on the blue button will bring up the Preferences window discussed below.

You may choose to hide the Pager so that it is not visible. Either choose the "Hide Pager" option from the menu bar tool or hit the "Toggle Pager Visibility" HotKey sequence (option-home by default). You can also start CodeTek VirtualDesktop with the Pager hidden; simply uncheck the "Pager Visible at Startup" preference in the Appearance tab of the Preferences window, as discussed below. You can make the Pager visible on startup by checking this checkbox.

The Menu Bar Tool

When you launch CodeTek VirtualDesktop for the first time, the menu bar tool will appear in the right side of the menu bar. Figure 12 shows the menu bar tool with its menu activated.

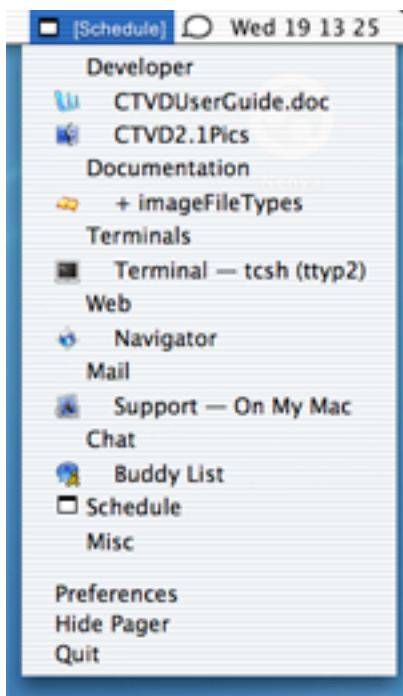


Figure 12: The Menu Bar Tool

The menu bar tool consists of a small "window" icon and the current desktop name by default. You may choose to display only the icon or only the desktop name; these options are discussed below in the "Extras" tab section of the Preferences discussion. As you change desktops, the current desktop name will always be shown. Renaming the desktop will also change the menu bar tool's label.

The top portion of the menu lists all of the virtual desktops and the windows that are on each desktop by window title. You may go to a virtual desktop by selecting

that desktop's name, or switch to any of the windows by selecting the corresponding window title. The mini-window icon in the menu list designates the current desktop. Window titles are shortened to 40 characters to ensure that the menu remains a reasonable size.

The bottom portion of the menu lists three actions that you may select: Preferences, Hide Pager (or Show Pager, if the Pager is already hidden) and Quit. Selecting "Preferences" will show the Preferences window, which is discussed below. Selecting Show/Hide Pager will show or hide the Pager window. Selecting "Quit" will exit CodeTek VirtualDesktop.

You may disable the menu bar tool by un-checking the "Enable Menu Bar Tool" checkbox on the "Extras" tab of the Preferences window. You can re-enable the menu bar tool by checking that checkbox.

Contextual Menus

There are three contextual menus that you can use to perform an action on a window, an application, or the Desktop. Figure 13 shows an example of the contextual menu for native Mac OS X applications.

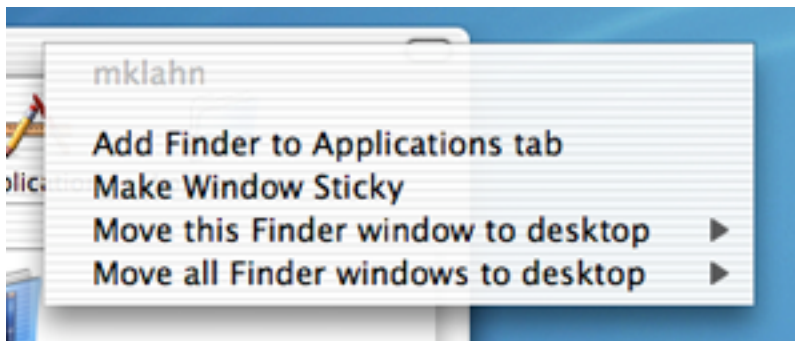


Figure 13: Native window contextual menu

The contextual menu for windows of native Mac OS X applications allows you to:

- Add the window's application to the Applications tab in the CodeTek VirtualDesktop preferences
- Make the window "sticky" (appear on all desktops)
- Move the window to another desktop
- Move all windows for the window's application to another desktop

To activate the contextual menu for a window, place your mouse over the window and press the "Contextual Menu" HotKey (option-escape by default). Then, select the action you wish to perform from the menu, or click the mouse button outside of the menu to close it.

A slightly different contextual menu allows you to associate Classic applications with a particular desktop (Fig. 14). To activate the Classic application contextual menu, press the "Display Classic Menu" HotKey (control-escape by default). You do not need to be over a Classic application window to activate the Classic application contextual menu. Each classic application is listed as a submenu of the contextual menu, containing a list of your virtual desktops. You may send a Classic application to a specific desktop by selecting that desktop from the submenu for that application in the Classic application contextual menu.

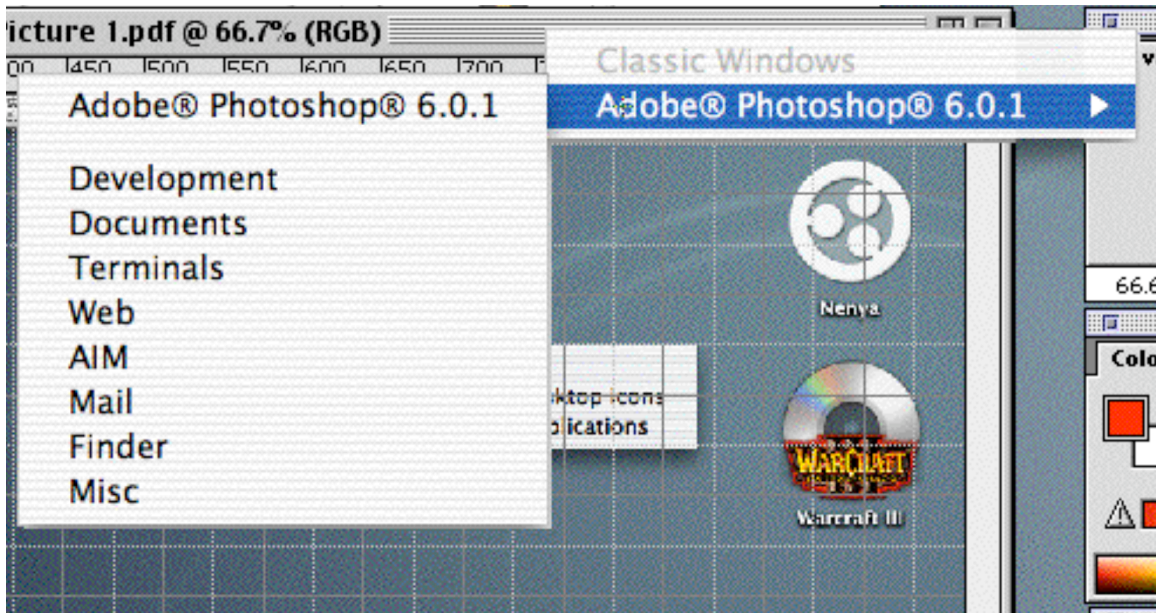


Figure 14: Classic window contextual menu

The third contextual menu is the desktop contextual menu (Fig. 15). This menu allows you to hide/show the desktop icons on all desktops or to hide/show all applications on the current desktop. To activate the desktop contextual menu, place the mouse cursor over the desktop background and press the "Contextual Menu" HotKey (option-escape by default). You may then select the action you wish to take, or click the mouse button outside of the menu to close it.

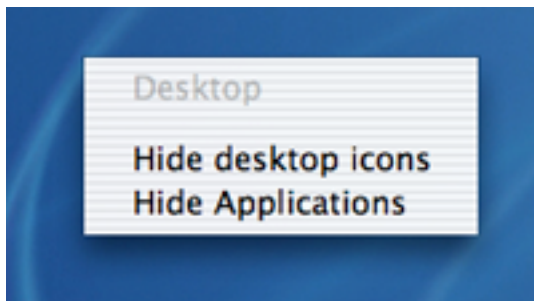


Figure 15: Desktop contextual menu

Customizing CodeTek VirtualDesktop's Appearance and Behavior

To modify your preferences, click on the blue preferences button on the Pager, select the "Preferences" entry from the menu bar tool's menu or press the "Show Preferences" HotKey sequence (control-option-; by default). This will bring up the preferences window described below.

The Appearance Tab

The Appearance tab (Fig. 16) allows you to modify the look of CodeTek VirtualDesktop. You may, among other things, select a new skin for your Pager, change the transparency of the Pager, set colors for the various portions of the inner Pager window, change the Pager size, and change the number of virtual desktops you would like to have.

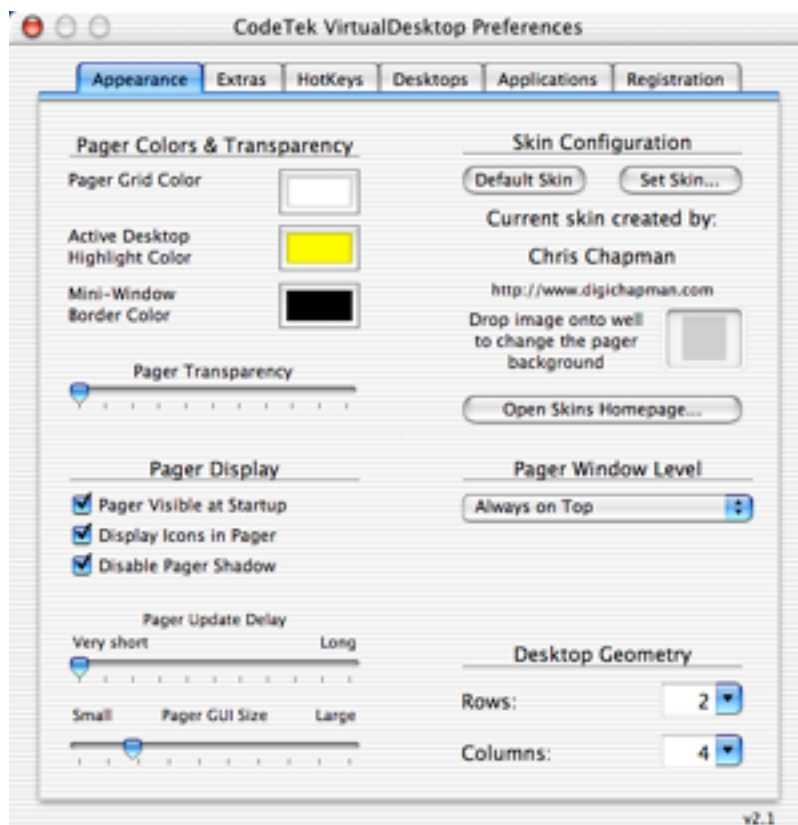


Figure 16: The Appearance tab

Pager Colors and Transparency

All of the colors for the grid lines, active desktop highlight and mini-window border are customizable. Click on the color well control next to the color you wish to change, select a new color and close the color panel to change a color.

The transparency of the Pager may be changed with the "Pager Transparency" slider, making it blend with your desktop or stand out. When you place the mouse pointer within the bounds of the Pager window, it will become fully opaque to allow you to easily see all of the mini-windows in the Pager.

Skin Configuration

Skins will be released both by CodeTek Studios, and third parties; press the "Open Skins Homepage" button to see the skins that are available. To use a new skin, download it from the Skins website, click the "Set Skin" button on the Appearance tab, locate the skin file and click the "Open" button. You may always switch back to the default "Small Deggy" skin by pressing the "Default Skin" button. (The "Small Deggy" skin was created by Mark Degg; thanks, Mark!)

If you wish to make a new skin, you may download the skin creation tool package directly from:

<http://www.codetek.com/VirtualSkinTool.sit>

Included in the skin creation tool package is a document that explains the skin creation process and an application that will create the skin in a format that can be read by versions 1.0 through 2.1 of CodeTek VirtualDesktop. If you create a skin, you may submit it for inclusion on the Skins homepage by emailing the skin file to support@codetek.com.

You also can set the Pager's background independently of the background of the skin. Simply drag an image file into the image well in this box and it will be set as the Pager's background.

NOTE: Using a transparent background for the Pager will disable clicking on the 'background' portion of a mini-desktop. This is not a problem with CodeTek VirtualDesktop per se; this is a problem in that 100% transparent pixels will not accept mouse events. Please make sure that you use a background that is not 100% transparent **even when you modify the Pager Transparency through the slider on the Appearance tab.**

Pager Display

The "Pager Visible at Startup" checkbox allows you to hide the Pager when CodeTek VirtualDesktop starts up. Uncheck this option if you want your Pager to be hidden at startup.

The "Display Icons in Pager" option allows you to show the icon of the application associated with a mini-window in the Pager. Un-checking this option displays blank, white mini-windows (Figs. 17, 18).

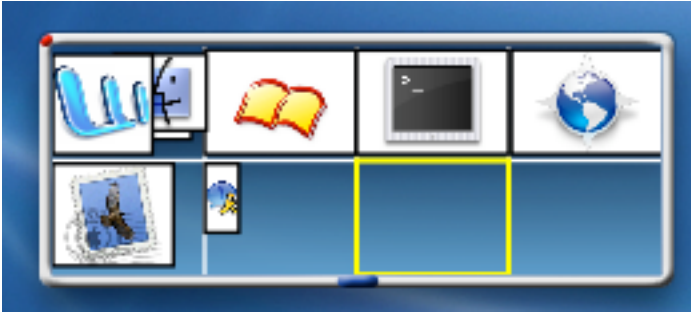


Figure 17: Pager with icons in mini-windows



Figure 18: Same pager, but without icons in mini-windows

The "Disable Pager Shadow" option allows you to remove the display of the shadow on the pager window (Figs. 19, 20).

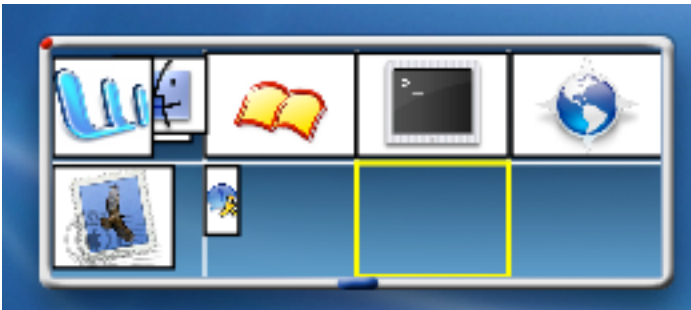


Figure 19: Pager With Shadow



Figure 20: Pager Without Shadow

The "Pager Update Delay" slider allows you to determine how often the Pager window gets refreshed. The longer the delay, the less CPU time is taken up by CodeTek VirtualDesktop (although the mini-window placement in the Pager window may be inaccurate until another update occurs). Use this slider to reduce the CPU usage by setting the slider closer to the "Long" end.

The "Pager GUI Size" slider allows you to modify the size of the virtual desktop's Pager window.

Pager Window Level

You may customize the window level of the Pager on this tab. Setting the window level control to "Always on Top" will make the Pager float above all other windows on your desktop. Setting the window level control to "At normal window level" will allow the Pager window to be mixed in with the other windows on your desktop. Setting the window level control to "Always on Bottom" will make the Pager window stay below any other window on your desktop.

Desktop Geometry

You may select any layout of desktops from 1x1 to 10x10, giving you anywhere from 1 desktop to 100 desktops. Modifying the 'Rows' and 'Columns' combo boxes configures the layout.

The Extras Tab

The Extras tab in the CodeTek VirtualDesktop Preferences (Fig. 21) contains additional configurable features of the program.

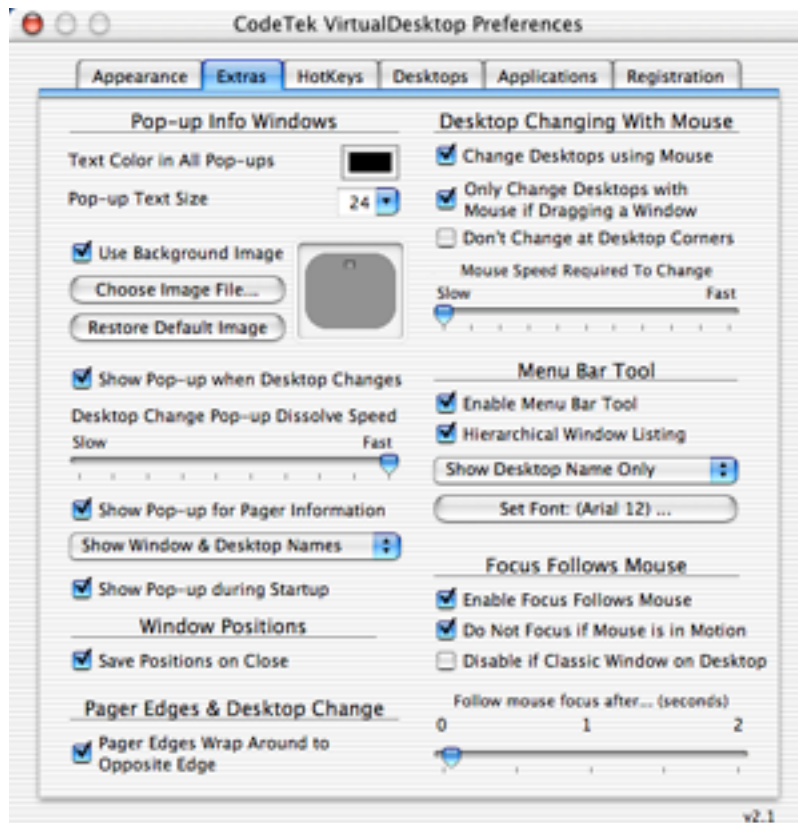


Figure 21: The Extras tab

Pop-up Info Window

Pop-up Info windows may be customized on this tab. Pop-up Info windows tell you which desktop you have just changed to, if you've just toggled mouse desktop changing on or off, information about mini-windows that you mouse over in the Pager, or that CodeTek VirtualDesktop is starting up (Figs. 22, 23). Pop-up Info windows always appear in the center of the screen. On systems with multiple monitors, it will appear in the center of the screen that contains the menu bar. You can set the color of the text in the Pop-up Info windows through the “Text Color in All Pop-ups” color well. You can also change the size of the font that is used in the Pop-up window.

NOTE: Increasing the size of the font may truncate some window or desktop names displayed in Pager Pop-up Info windows.

You can customize the background of the Pop-up Info windows by dragging an

image file into the Background Image well, or by clicking the “Choose Image File...” button and finding the image file that you want to use. If you want to use the default background image, click the “Restore Default Image” button and confirm your choice. You can disable the background of the Pop-up Info window by un-checking the "Use Background Image" checkbox. You can disable specific Pop-up Info windows by un-checking the "Show Pop-up when Desktop Changes" checkbox, the “Show Pop-up for Pager Information” and/or the “Show Pop-up during Startup” checkboxes.

The time that Desktop Change pop-ups are displayed on your screen can be changed through the "Pop-up Dissolve Speed" slider. You can set the information that will be displayed in Pager Information Pop-ups to be the name of the window that the mouse is over, the name of the desktop the mouse is over, or both.



Figure 22: Example Desktop Change Information Pop-up Window



Figure 23: Example Pager Information Pop-up Window

Window Positions

Check the “Save Positions on Close” checkbox to have CodeTek VirtualDesktop save the positions of all of the currently opened windows when CodeTek VirtualDesktop is exited. When you restart CodeTek VirtualDesktop, these windows will then be moved back to their previous positions on the appropriate virtual desktop.

Pager Edges & Desktop Changing

When checked, the "Pager Edges Wrap Around to Opposite Edge" option allows you to switch desktops "through" the edge of the pager to the opposite end of the pager. For example, if you were using 4 desktop columns in a single row and each desktop was numbered 1 to 4 from left to right, enabling this option would allow you to change from desktop 1 to desktop 4 directly using the "Change Desktops with Mouse" feature or the Left HotKey (ctrl-option-left arrow by default). If this option is disabled, you cannot switch from desktop 1 to desktop 4 directly using either of these methods.

Desktop Changing with Mouse

The "Change Desktops using Mouse" checkbox will activate or deactivate a feature that allows you to switch between desktops by placing the mouse on the extreme edges of your screen. The "Mouse Speed Required to Change" slider allows you to customize how fast the mouse pointer needs to be moving to switch desktops. If the "Only Change Desktops with Mouse if Dragging a Window" checkbox is checked, CodeTek VirtualDesktop will only switch desktops with the mouse if you are dragging a window. Mouse desktop switches are also tied to the pager update timer; to reduce the time between mouse desktop changes, set the “Pager Update Delay” slider to the far-left. The "Don't Change at Desktop Corners" option will disable desktop changes when the mouse pointer is moved into a corner of the desktop. This is useful if you have screensaver activation hot spots set in the desktop corners.

Menu Bar Tool

The menu bar tool may be customized on this tab. You can disable the menu bar tool by un-checking the "Enable Menu Bar Tool" checkbox and enable the menu bar tool by checking it. You can display the mini-window icon, the desktop name or both in the menu bar by selecting the corresponding option. Check the “Hierarchical Window Listing” checkbox to have the menu bar tool display the window list in a hierarchical arrangement (Figs. 12, 24). Use the “Set Font” button to choose a font for the menu bar tool.

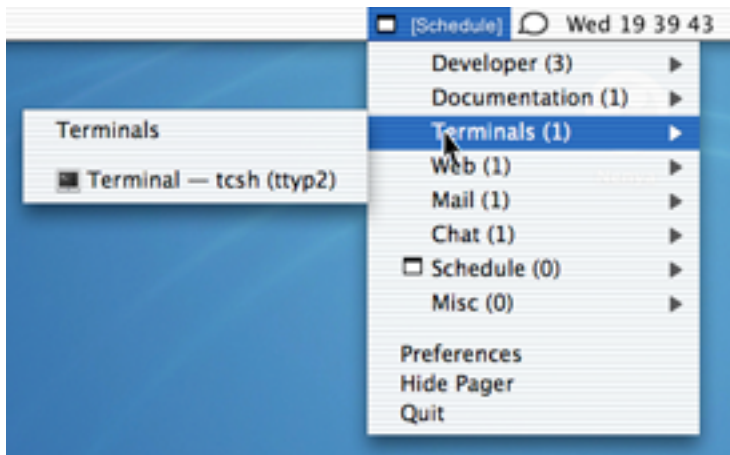


Figure 24: Hierarchical Listing

Focus Follows Mouse

The focus follows mouse feature may be activated and customized on this tab. This feature allows you to bring a window to the forefront, giving keyboard and input focus to that window, by simply pointing at the window with your mouse. To give a window focus using the mouse, simply place the mouse pointer over a portion of the window and hold it there until it comes to the forefront. You may change the behavior of focus follows mouse to either bring a window into focus when the mouse is placed over the window (whether or not the mouse pointer is in motion), or to bring the window into focus when the mouse is over the window and stationary. You can customize the sensitivity of the focus follows mouse feature by adjusting the slider marked "Follow mouse focus after... (seconds)". Moving the slider to the left decreases the amount of time before a focus change, while moving the slider to the right increases it.

Temporarily Disabling Focus Follows Mouse

You may temporarily disable the focus follows mouse feature by holding down the **shift** key.

The HotKeys Tab

HotKeys allow you to interact with CodeTek VirtualDesktop by pressing customizable key combinations. The following features may be accessed through HotKeys:

- Move between the virtual desktops with the "Right", "Left", "Up" and "Down" HotKeys (ctrl-option-arrow keys by the default)
- Show or hide the Pager GUI with the "Toggle Pager Visibility" HotKey (option-home by default)
- Quit CodeTek VirtualDesktop (control-option-end by default)
- Access the preferences window (control-option-semicolon by default)
- Activate/deactivate the "Mouse Changing Between Desktops" feature

- (control-option-escape by default)
- Show the contextual menu for the window under the mouse pointer (option-escape by default)
- Show the contextual menu for Classic applications. This menu will allow you to isolate a Classic application to a single desktop (control-escape)
- Toggle the visibility of the desktop icons (control-option-backtick by default)
- Hide the current virtual desktop, showing the Finder Desktop (or vice-versa) (option-backtick by default)

These HotKey sequences are completely configurable by you through the Preferences interface (Fig. 25). If you do not wish to use HotKey actions, you may disable them by un-checking the "Enable HotKey Actions" checkbox. To change a HotKey, simply highlight the desired action in the list and click the "Change HotKey..." button or double-click in the "HotKey Sequence" column of that action. A sheet will drop down, requesting you to press the desired key sequence. By pressing the "Accept" button on that sheet, your HotKey sequence is changed. If you change your mind, simply press the "Cancel" button on the sheet and no change will be made. If you wish to restore the default HotKey sequences, simply press the "Restore Default HotKeys" button and confirm your choice.

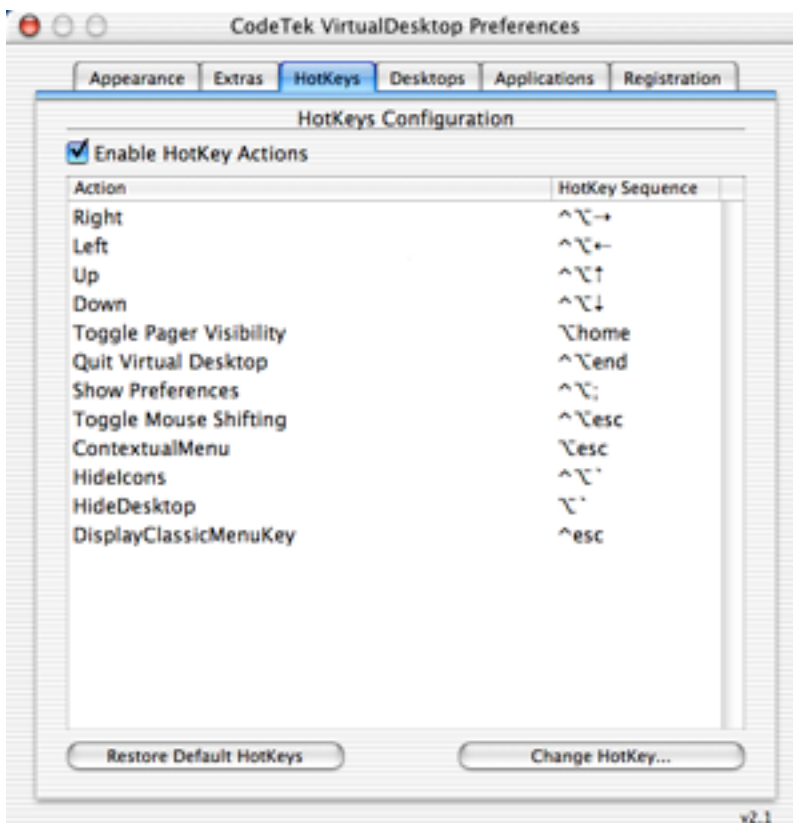


Figure 25: The HotKeys tab

The Desktops Tab

You may customize the names of your desktops, set different desktop pictures for desktops, or associate HotKeys to change to a particular desktop through the Desktops tab (Fig. 26). To change the name of a desktop, double-click on the desktop you wish to rename and type in the new name. Click the “Restore Default Desktop Names” button to go back to the original desktop names.

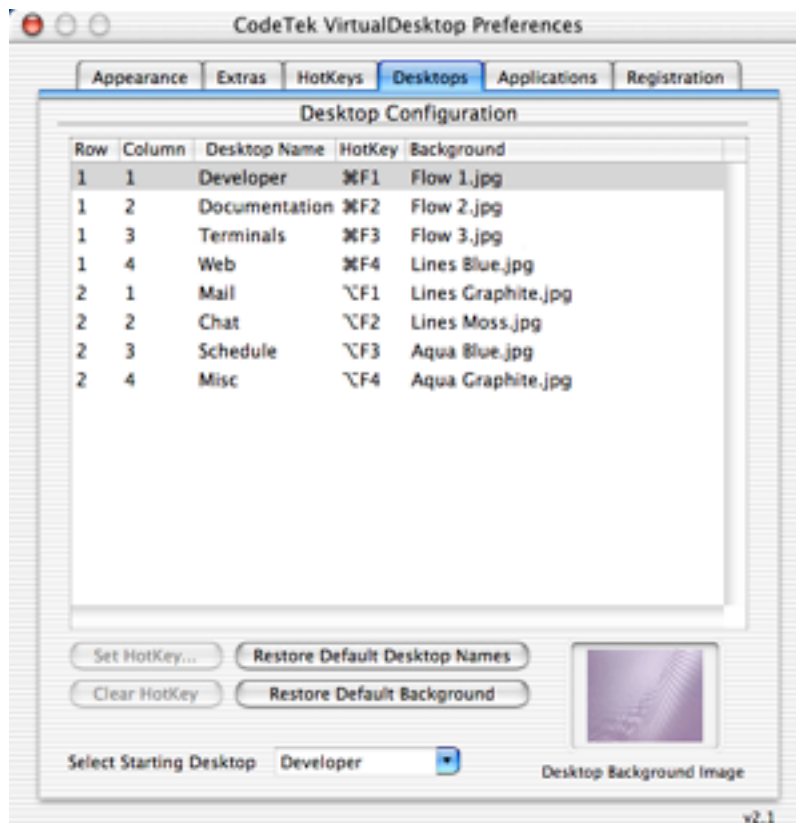


Figure 26: The Desktops tab

You can set a different background image for each desktop by dragging the desired image to the desktop row from the Finder or another application. The name of the background image will be shown in the "Background" column of the table. Highlighting the desktop in the table will display the background in the "Desktop Background Image" preview control. If you wish to restore the default background to a desktop, select the desktop and click on the "Restore Default Background" button.

You may associate a HotKey with a specific desktop, allowing you to quickly jump to one of your desktops. Also, windows may be carried directly to a new desktop using a desktop HotKey; simply click and hold on the title bar of a window and hit the desktop HotKey for the desktop to which you wish to switch.

No desktop HotKeys are assigned when you first install CodeTek VirtualDesktop. To assign a desktop HotKey, simply select the desktop name from the list and press the "Set HotKey...", or double-click on the HotKey column of that desktop. A sheet will drop down, requesting you to press the desired key sequence. By pressing the "Accept" button on that sheet, your desktop HotKey sequence is assigned. If you change your mind, simply press the "Cancel" button on the sheet and no change will be made. If you wish to remove an assigned desktop HotKey, highlight the desktop name and press the "Clear HotKey" button and the HotKey sequence will be deactivated and removed.

By selecting a desktop in the "Select Starting Desktop" drop-down list, you may set the desktop that you wish to have active upon starting CodeTek VirtualDesktop. The default starting desktop is "Desktop 1", which is always the leftmost, topmost desktop.

The Applications Tab

You may customize how CodeTek VirtualDesktop displays and positions specific applications through the list on the Applications tab (Fig. 27). To customize the behavior of a particular application, drag the icon of the application from the Finder into the list on the Applications tab. To make all new windows of an application appear on a particular desktop, select that desktop from the drop-down for that application. You can still move individual windows of an application to a new desktop, but all new windows for that application will appear on the desktop specified here. The four checkboxes for the selected application allow additional configuration to be made to the application's behavior.

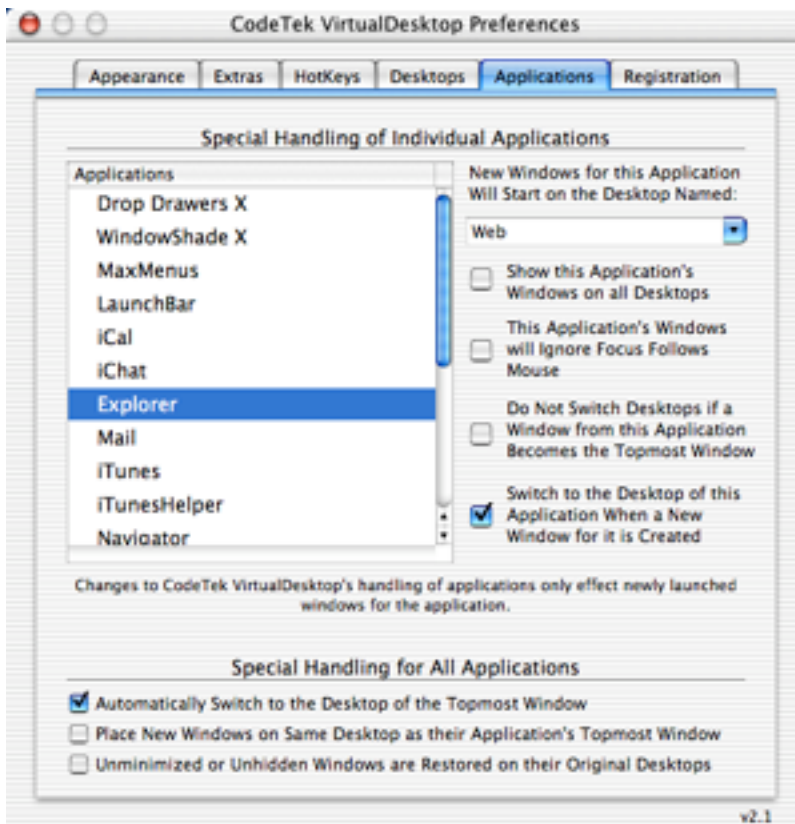


Figure 27: The Applications tab

Global Settings

The "Automatically Switch to the Desktop of the Topmost Window" global option allows you to enable or disable the automatic switching to the desktop of an application's topmost window when a new window moves to the top.

The "Place New Windows on Same Desktop as their Application's Topmost Window" checkbox controls the behavior of newly created windows. If an application already has at least one window open, activating this option will cause CodeTek VirtualDesktop to move any newly created windows for this application to the desktop of its current topmost window. For example, if Mail has one window open on the first desktop and a new Mail window is created on the second desktop, and this option is checked, then that new Mail window will move to the first desktop.

The "Unminimized or Unhidden Windows are Restored on their Original Desktops" option determines whether a restored window (un-hidden, or un-minimized) goes back to the desktop it was on when hidden or minimized, or to the current desktop.

The Registration Tab

The Registration tab (Fig. 28) contains the CodeTek VirtualDesktop license in the textbox on the top of the window. You must read through this license and select the "Yes, I Agree" radio button to use CodeTek VirtualDesktop in either the registered or unregistered form. An unregistered copy of CodeTek VirtualDesktop will allow you to have access to all features, but only for two desktops. This will allow you to try CodeTek VirtualDesktop and double your current screen space.

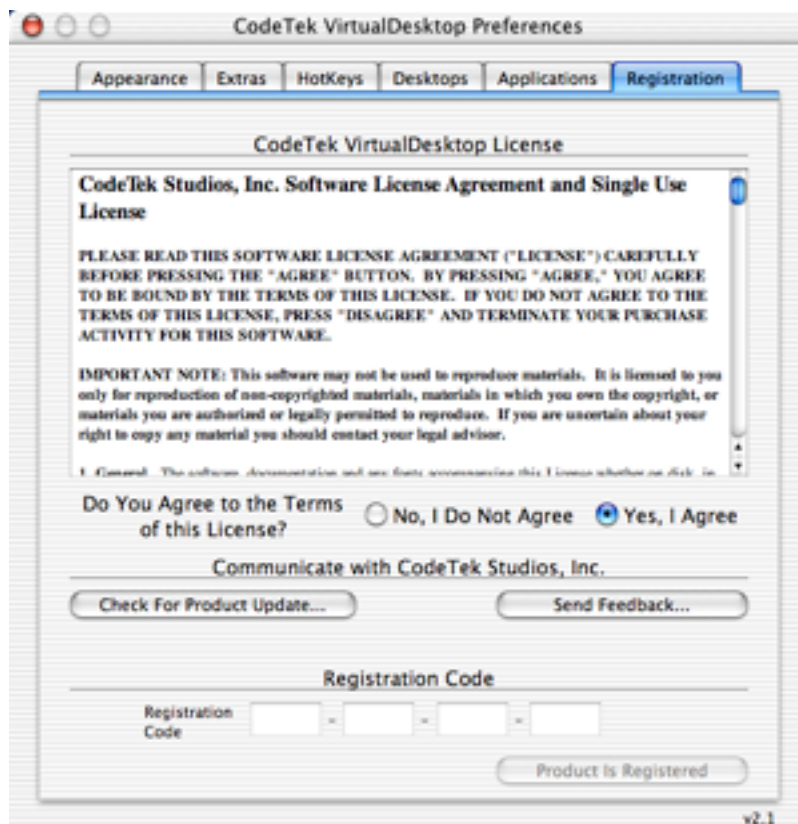


Figure 28: The Registration Tab

When you are ready to unlock the full functionality of CodeTek VirtualDesktop, you can register your copy. By clicking on the "Purchase Registration Code..." button, you will be taken to CodeTek Studios' Web Site where you may purchase a registration code. A registration code will be displayed as part of the checkout procedure; print this page to a PDF or printer to save your transaction information. Any registration information you provide to CodeTek Studios will NEVER be given out to anyone outside of CodeTek. After you receive your registration code, type, drag or paste it into the **first** "Registration Code" Field. As you type the code, the cursor will advance into the appropriate field. Press the "Activate Registration Code" button after you have entered your valid code.

To send CodeTek Studios feedback, please press the "Send Feedback..." button, or send us an email at support@codetek.com. We appreciate receiving your suggestions and comments!

By clicking the "Check For Product Update..." button while you are connected to the Internet, the CodeTek Studios website will be queried for any updates to CodeTek VirtualDesktop. When you purchase a registration code for a product from CodeTek Studios, Inc., all updates to that product are free!

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Troubleshooting and Questions

Why don't XDarwin/OroborOSX windows appear in the Pager?

XDarwin/OroborOSX does not display its windows in a standard way. Using the Pager to reposition XDarwin windows causes them to be 'lost' by the X Window server. CodeTek VirtualDesktop does not display their windows in the Pager to avoid this problem. (CodeTek Studios is currently working with the author of OroborOSX to provide a solution to this problem. An upcoming version of OroborOSX should work correctly with this version of CodeTek VirtualDesktop.)

My window straddles two or more desktops in the Pager. Why does it only appear on one desktop?

In this version of CodeTek VirtualDesktop, each window is associated with only one desktop. This behavior maintains a clean separation between different desktops, and also provides a significant speed increase in desktop switching.

Why aren't Classic windows appearing in the Pager?

Unfortunately, Classic applications cannot be displayed in the Pager, as the Mac OS X operating system does not provide a mechanism for programs to determine the locations and sizes of Classic windows. Therefore, CodeTek VirtualDesktop treats them on a per-application basis rather than on a per-window basis. This allows you to place individual Classic applications on different desktops (using the Classic context menu), but requires that all of the windows for an individual application remain on the same desktop.

Is it possible to have the focus follows mouse feature give focus to a window without bringing it forward?

No, because in order to properly give focus to a window under Mac OS X, it is necessary to bring the window forward. If a future version of the operating system allows for windows to be given focus without being moved into the foreground, an option for this will definitely be added to CodeTek VirtualDesktop.

Why can't I reposition Microsoft Word windows in the Pager?

Because Microsoft Word windows use specialized drawing methods, repositioning them via the Pager results in corrupted windows. Therefore, we have purposely disabled repositioning Microsoft Word windows via the Pager to prevent this problem from occurring. You can still move Word windows between desktops via the Pager; only window repositioning has been disabled.

Why can't I set different background images for each of my displays?

At this time, CodeTek VirtualDesktop does not support having different backgrounds on each desktop on additional displays. Because there is no standard Mac OS X desktop background changing mechanism, we are somewhat limited in what we can do at this time. We are planning to support this feature in a future release.

Known Issue

There is a sporadic crash that has occurred with a very small percentage of CodeTek VirtualDesktop users. We are still gathering information on this crash to identify the cause and then fix it. If you experience a crash, please enable your Crash Log by:

- 1) opening the Console application (in Applications folder, Utilities subfolder)
- 2) Open Preferences from the Console menu
- 3) Switch to the 'Crashes' tab
- 4) Check the 'Enable crash reporting' and 'Automatically display crash logs' checkboxes
- 5) You may now quit the Console application

When a crash occurs, Console will automatically launch and display debugging information on the crash. Please paste this information into an email and send to 'support@codetek.com' along with any details on what happened prior to the crash.

Special Thanks

We would like especially to thank the following people.

- Mark Degg for his wonderful skin and icons. Please check out Mark's web site at www.osxp.net
- Martin Goneau for the swanky main icon. You can find Martin's web site at www.goneau.com
- Slava Karpenko and Ed Wynne for repeated help with low level API's in Mac OS X. Slava works on some great applications such as WindowShade that can be found at <http://www.unsanity.com/>
- Scott McIntyre for his tireless efforts in helping us debug some pretty ugly problems.
- Phillipe Martin for his very accurate and detailed bug reports. Thanks very much for all of your hard work!
- Michael Bryan Bell for his ideas on interface design and discussions on the market
- Hector Cabarcas for giving us the default Info Pop-up background and insightful discussions on branding.

If you visit any of their sites, please tell them that we sent you there!

The product would not be where it is today without the help from these people, and all of our beta testers who have helped so much! Thank you!

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