

Notebook Tour

User Guide

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First Edition: January 2007

Document Part Number: 431179-001

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1 Identifying Hardware

To see a list of hardware installed in the computer, follow these steps:

1. Select **Start > Computer > System properties**.
2. In the left pane, click **Device Manager**.

You can also add hardware or modify device configurations using Device Manager.

2 Top components

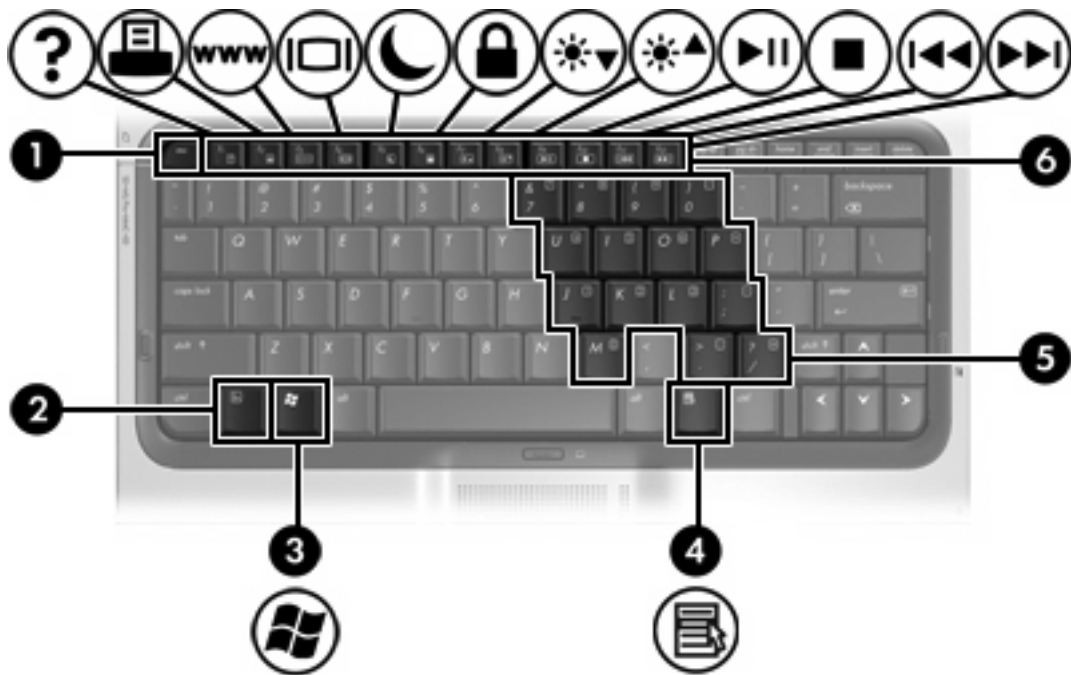
TouchPad



Component	Description
(1) TouchPad on/off button	Enables/disables the TouchPad.
(2) TouchPad*	Moves the pointer and selects or activates items on the screen.
(3) Left TouchPad button*	Functions like the left button on an external mouse.
(4) Right TouchPad button*	Functions like the right button on an external mouse.
(5) TouchPad scroll zone*	Scrolls up or down.
(6) TouchPad light	<ul style="list-style-type: none">• Blue: TouchPad is enabled.• Amber: TouchPad is disabled.

*This table describes factory settings. To view and change pointing device preferences, select **Start > Control Panel > Hardware and Sound > Mouse**.

Keys



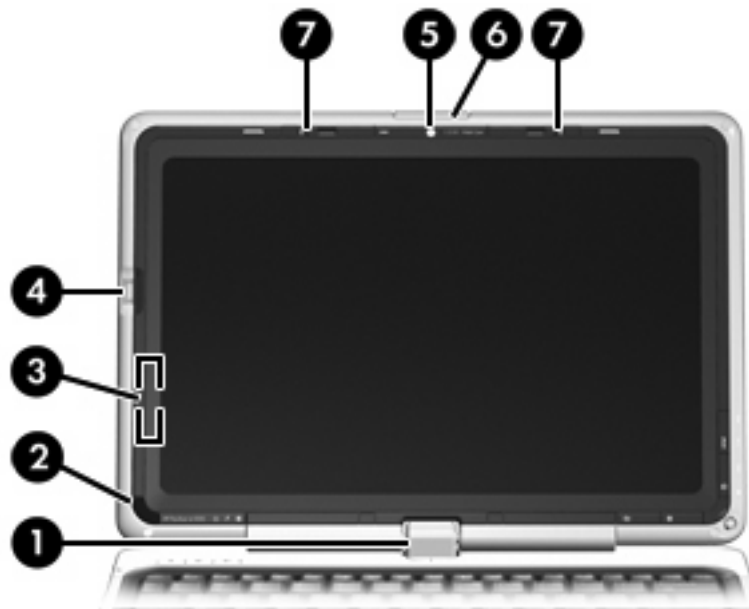
Component	Description
(1) <code>esc</code> key	Displays system information when pressed in combination with the <code>fn</code> key.
(2) <code>fn</code> key	Executes frequently used system functions when pressed in combination with a function key or the <code>esc</code> key.
(3) Windows® logo key	Displays the Windows Start menu.
(4) Windows applications key	Displays a shortcut menu for items beneath the pointer.
(5) Embedded numeric keypad keys	Can be used like the keys on an external numeric keypad.
(6) Function keys	Execute frequently used system functions when pressed in combination with the <code>fn</code> key.

Hotkey quick reference

Function	Hotkey
Display information.	fn+esc
Open Help and Support.	fn+f1
Open the Print Options window.	fn+f2
Open a Web browser.	fn+f3
Alternate between computer display and external display.	fn+f4
Initiate Hibernation.	fn+f5
Initiate QuickLock.	fn+f6
Decrease screen brightness.	fn+f7
Increase screen brightness.	fn+f8
Play, pause, or resume an audio CD or a DVD.	fn+f9
Stop an audio CD or a DVD.	fn+f10
Play the previous track or section on an audio CD or a DVD.	fn+f11
Play the next track on an audio CD or a DVD.	fn+f12

3 Display

Display components



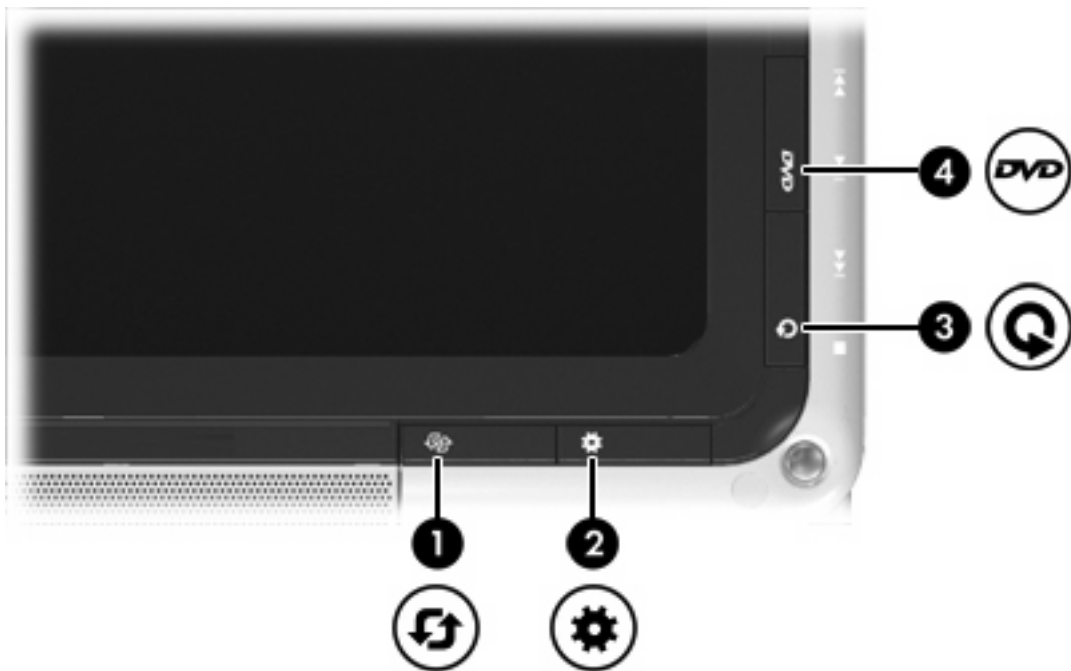
Component	Description
(1) Convertible hinge	Swivels the display and converts the computer from traditional notebook mode into slate mode or vice versa. In slate mode, the display is rotated and folded flat, so that you can view content while carrying the computer.
(2) Consumer infrared lens	Receives a signal from the HP Remote Control.
(3) Internal display switch	Turns off the display and initiates Sleep if the display is closed while the power is on.
(4) Fingerprint reader (select models only)	Allows a fingerprint logon to Windows instead of a password logon.
(5) Integrated camera (select models only)	Records video and captures still photographs.
(6) Display release latch	Opens the computer.
(7) Internal microphones	Record sound.

Display lights




Component	Description
(1) Power light	<ul style="list-style-type: none">• On: The computer is on.• Blinking: The computer is in the Sleep state.• Off: The computer is off or in Hibernation.
(2) Battery light	<ul style="list-style-type: none">• On: A battery is charging.• Blinking: A battery that is the only available power source has reached a low battery level. When the battery reaches a critical battery level, the battery light begins blinking rapidly.• Off: If the computer is plugged into an external power source, the light is turned off when all batteries in the computer are fully charged. If the computer is not plugged into an external power source, the light stays off until the battery reaches a low battery level.
(3) Drive light	Blinking: The hard drive or optical drive is being accessed.

Quick Launch buttons



Component	Description
(1) Rotate button	Rotates the screen image clockwise into 4 orientations: landscape primary, landscape secondary, portrait primary, and portrait secondary.
(2) Mobility Center button	Opens Mobility Center.
(3) Media button	Launches the QuickPlay program.
(4) DVD button	Launches the DVD playback feature of the QuickPlay program.

 **NOTE** If the computer has been set up to require a logon password, you may be asked to log on to Windows. QuickPlay launches after you log on. Refer to the QuickPlay online Help for more information.

Media buttons



Component	Description
(1) Previous/rewind button	<ul style="list-style-type: none">Plays the previous track or chapter when the button is pressed once.Rewinds media when the button is pressed simultaneously with the fn key.
(2) Play/pause button	Plays or pauses media.
(3) Next/fast forward button	<ul style="list-style-type: none">Plays the next track or chapter when the button is pressed once.Fast forwards media when pressed simultaneously with the fn key.
(4) Stop button	Stops playback.

Wireless antennae (select models only)

On select computer models, at least 2 antennae send and receive signals from one or more wireless devices. These antennae are not visible from the outside of the computer.

To see wireless regulatory notices, refer to your country's section of the *Regulatory, Safety and Environmental Notices* located in Help and Support.



NOTE For optimal transmission, keep the areas immediately around the antennae free from obstructions.

WWAN antenna (select models only)

The WWAN antennae allow you to connect to a wireless wide-area network (WWAN), and then to the Internet, using the integrated HP Broadband Wireless module and service from a supported cellular network operator.

One wireless antenna is located inside the display enclosure **(1)**. Another wireless antenna is external and connects to the external WWAN antenna connector on the computer **(2)**. The external WWAN antenna must be connected when connecting to a WWAN.

When connecting to a WWAN, the external WWAN antenna should be positioned upright, as shown in the illustration below.




NOTE For optimal transmission, keep the areas immediately around the antennae free from obstructions.

For more information on HP Broadband Wireless and how to sign up for service, or for information on connecting the external wireless antenna, refer to the *HP Broadband Wireless Getting Started* guide included with your computer.

4 Front components






Component	Description
(1) Display release latch	Opens the computer.
(2) Power switch*	<ul style="list-style-type: none"> When the computer is off, slide the power switch to the right to turn on the computer. When the computer is on, slide the power switch to the right to initiate Sleep. When the computer is in the Sleep state, slide the power switch to the right briefly to exit Sleep. When the computer is in Hibernation, slide the power switch to the right briefly to exit Hibernation. <p>If the computer has stopped responding and Windows shutdown procedures cannot be used, slide the power switch to the right and hold for at least 5 seconds to turn off the computer.</p>
(3) Power light	<ul style="list-style-type: none"> On: The computer is on. Blinking: The computer is in the Sleep state. Off: The computer is off or in Hibernation.
(4) Consumer infrared lens	Receives a signal from the HP Remote Control.
(5) Audio-out (headphone) S/PDIF jack (select models only)	Provides enhanced audio performance, including surround sound and other high-end audio output.
(6) Audio-out (headphone) jack	Produce sound when connected to optional powered stereo speakers, headphones, ear buds, a headset, or television audio.

Component	Description
(7) Audio-in (microphone) jack	Connects an optional computer headset microphone, stereo array microphone, or monaural microphone.
(8) Wireless switch	Turns the wireless feature on or off, but does not create a wireless connection.
(9) Wireless light	<div data-bbox="810 384 869 441" style="display: inline-block; vertical-align: middle;">  </div> <div data-bbox="890 384 1409 441" style="display: inline-block; vertical-align: middle;"> <p>NOTE A wireless network must be set up in order to establish a wireless connection.</p> </div> <ul style="list-style-type: none"> <li data-bbox="810 474 1442 552">• Blue: An integrated wireless device, such as a wireless local area network (LAN) device and/or a Bluetooth® device, is turned on. <li data-bbox="810 579 1265 604">• Amber: All wireless devices are turned off.

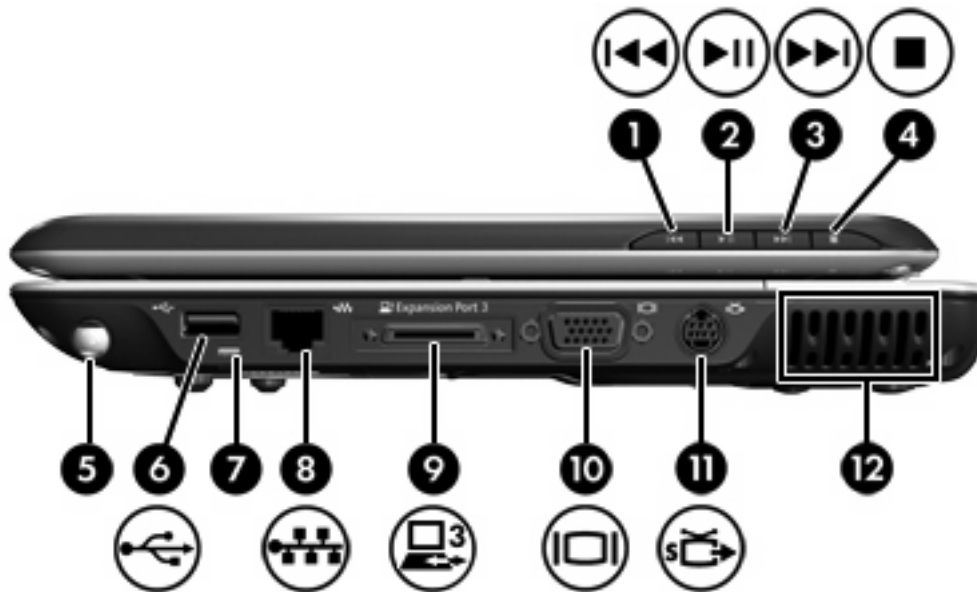
*This table describes factory settings. For information about changing factory settings, refer to the user guides located in Help and Support.

5 Rear components





Component	Description
(1) Vent	<p>Enables airflow to cool internal components.</p> <p> CAUTION To prevent overheating, do not obstruct vents. Use the computer only on a hard, flat surface. Do not allow another hard surface, such as an adjoining optional printer, or a soft surface, such as pillows or thick rugs or clothing, to block airflow.</p> <p> NOTE The computer fan starts up automatically to cool internal components and prevent overheating. It is normal for the internal fan to cycle on and off during routine operation.</p>
(2) RJ-11 (modem) jack	Connects a modem cable.
(3) USB ports (2)	Connect optional USB devices.
(4) Security cable slot	Attaches an optional security cable to the computer.
	<p> NOTE The security cable is designed to act as a deterrent, but it may not prevent the computer from being mishandled or stolen.</p>

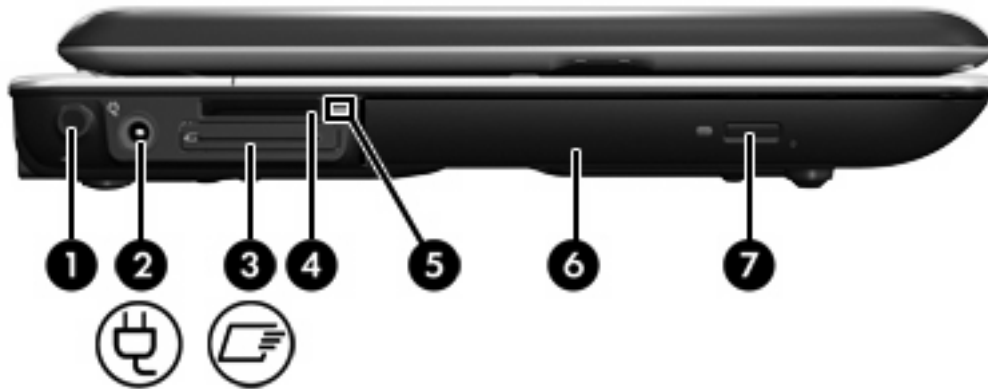
6 Right-side components



Component	Description
(1) Previous/rewind button	<ul style="list-style-type: none"> Plays the previous track or chapter when the button is pressed once. Rewinds media when the button is pressed simultaneously with the fn key.
(2) Play/pause button	Plays or pauses media.
(3) Next/fast forward button	<ul style="list-style-type: none"> Plays the next track or chapter. Fast forwards media when pressed simultaneously with the fn key.
(4) Stop button	Stops playback.
(5) Pen holder	Stores the pen (select models only).
(6) USB port	Connects an optional USB device.
(7) Pen tether hole	Connects the pen tether (select models only).
(8) RJ-45 (network) jack	Connects a network cable.
(9) Expansion port 3	Connects the computer to an optional expansion product.

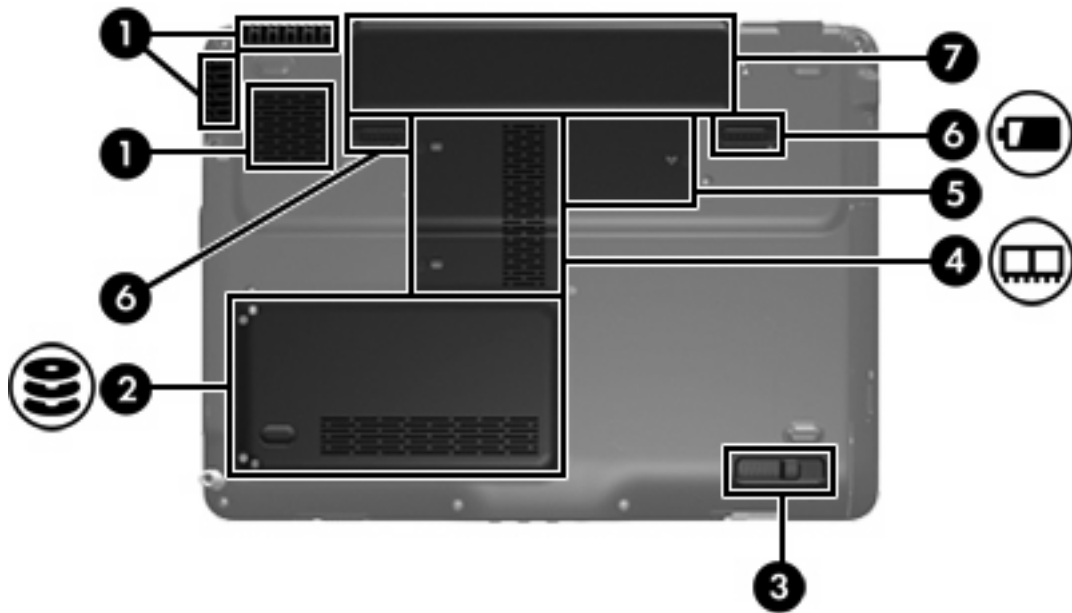
Component	Description
(10) External monitor port	Connects an external VGA monitor or projector.
(11) S-Video-out jack	Connects an optional S-Video device such as a television, VCR, camcorder, overhead projector, or video capture card.
(12) Vent	Enables airflow to cool internal components.
	 <p>CAUTION To prevent overheating, do not obstruct vents. Use the computer only on a hard, flat surface. Do not allow another hard surface, such as an adjoining optional printer, or a soft surface, such as pillows or thick rugs or clothing, to block airflow.</p>
	 <p>NOTE The computer fan starts up automatically to cool internal components and prevent overheating. It is normal for the internal fan to cycle on and off during routine operation.</p>

7 Left-side components





Component	Description
(1) External WWAN antenna connector	Connects the external WWAN antennae.
(2) Power connector	Connects an AC adapter.
(3) ExpressCard slot	Supports optional ExpressCard/34 cards.
(4) Digital Media Slot	Supports the following optional digital card formats: Secure Digital (SD) Memory Card, MultiMediaCard (MMC), Memory Stick (MS), Memory Stick Pro (MSP), xD-Picture Card (XD), xD-Picture Card (XD) Type M.
(5) Digital Media Slot light	On: A digital card is being accessed.
(6) Optical drive	Reads an optical disc.
(7) Optical drive release button	Releases the optical drive tray.

8 Bottom components



Component	Description
(1) Vents (3)	<p>Enable airflow to cool internal components.</p> <p>CAUTION To prevent overheating, do not obstruct vents. Use the computer only on a hard, flat surface. Do not allow another hard surface, such as an adjoining optional printer, or a soft surface, such as pillows or thick rugs or clothing, to block airflow.</p> <p>NOTE The computer fan starts up automatically to cool internal components and prevent overheating. It is normal for the internal fan to cycle on and off during routine operation.</p>
(2) Hard drive, SIM card, and WWAN Mini Card bay	<p>Holds the hard drive, a SIM card (select models only) and a WWAN Mini Card (select models only).</p> <p>CAUTION WWAN Mini Cards and WLAN Mini Cards are not interchangeable.</p>
(3) Optical drive release latch	Releases the optical drive from the drive bay.
(4) Memory module compartment	Contains the memory module slots.

Component	Description
(5) WLAN Mini Card compartment	<p data-bbox="801 218 1444 254">Holds a WLAN Mini Card (select models only).</p> <hr/> <div data-bbox="801 275 1444 338">  <p data-bbox="895 281 1444 338">CAUTION WWAN Mini Cards and WLAN Mini Cards are not interchangeable.</p> </div> <hr/> <div data-bbox="801 373 1444 600">  <p data-bbox="895 380 1444 600">NOTE To prevent an unresponsive system and the display of a warning message, replace with only a Mini Card device authorized for use in the computer by the governmental agency that regulates wireless devices in your country. If you replace the device and then receive a warning message, remove the device to restore computer functionality. Then contact Customer Care through Help and Support.</p> </div>
(6) Battery release latch	Releases the battery from the battery bay.
(7) Battery bay	Holds the battery.

9 Additional hardware components



Component	Description
(1) Power cord*	Connects an AC adapter to an AC outlet.
(2) AC adapter	Converts AC power to DC power.
(3) Battery*	Powers the computer when the computer is not plugged into external power.
(4) Optical drive blank	Replaces the optical drive to reduce computer weight.

*Batteries and power cords vary in appearance by region and country.

10 Labels

The labels affixed to the computer provide information you may need when you troubleshoot system problems or travel internationally with the computer.

- Service tag—Provides the product brand and series name, serial number (s/n), and product number (p/n) of your computer. Have this information available when you contact Customer Care. The service tag label is affixed to the bottom of the computer.
- Microsoft® Certificate of Authenticity—Contains the Windows® Product Key. You may need the Product Key to update or troubleshoot the operating system. This certificate is affixed to the bottom of the computer.
- Regulatory label—Provides regulatory information about the computer. The regulatory label is affixed inside the hard drive bay.
- Modem approval label—Provides regulatory information about the modem and lists the agency approval markings required by some of the countries in which the modem has been approved for use. You may need this information when traveling internationally. The modem approval label is affixed inside the hard drive bay.
- Wireless certification label(s) (select models only)—Provide information about optional wireless devices and the approval markings of some of the countries in which the devices have been approved for use. An optional device may be a wireless local area network (WLAN) device or an optional Bluetooth® device. If your computer model includes one or more wireless devices, one or more certification labels are included with your computer. You may need this information when traveling internationally. Wireless certification labels are affixed inside the WLAN Mini Card compartment and the hard drive bay.

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