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O&O DeskInfo



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Overview

O&O DeskInfo is a portable app for Windows that displays system information on the desktop after your computer is started. When doing so, the information is displayed in front of the monitor's background but behind the desktop icons. This allows the information to be visible but not distracting while you're working.

This information is intended to provide insight into the system and its workload, and to indicate possible bottlenecks. Such information could also be helpful for an IT Help Desk because it can be passed on without searching the system or entering a command. It only needs to be copied to the clipboard and then attached to an email or web form.

System requirements

- Windows 11, 10, Windows Server 2022 or Windows Server 2016
- No installation necessary, portable app
- Internet connection only needed for accessing the EULA, online help, and checking for updates
- Automatically starts with Windows, if wanted

Features

System information displayed

- Machine: name, primary DNS suffix
- Operating system: version, build, code name
- User: name, domain
- CPU: model, system type, current utilization
- RAM: size, current availability
- GPU: model, dedicated memory size
- Network adapter: adapter, IPv4 and IPv6 addresses, subnet masks, DNS, DHCP, gateway, transfer rates transmission/reception
- Drives: local drives, network drives
- Info notification

Info section

Current system information can also be found by hovering the mouse over the app's icon displayed in the Info section.

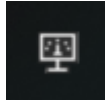


Figure 1: O&O DeskInfo Icon

Right-clicking opens the context menu from which many settings can be immediately adjusted. This usually requires reinitialization of the app which occurs automatically and can last a few moments.

Clipboard

All current system information on display can be copied to clipboard from the context menu and transferred directly from there to other programs.

After copying, a dialog appears featuring an option to start the Windows Editor and paste the copied material there. By confirming the prompt, the Editor (Notepad) will be started and data pasted from the clipboard.

Info notification

It is possible to enter a message into the configuration file that can then be displayed under system information. This can be, for example, a note for the user or contact information for the IT Help Desk.

Settings

Settings can be made over the context menu as well as over the configuration file. The configuration file does, however, offer more options for settings.

The configuration file can be emptied or deleted to restore settings back to their original status. The default values will then be reapplied at the next start.

Configuration file

Path

%LocalAppData%\00 Software\00 DeskInfo\00DeskInfo.cfg

```
<?xml version="1.0"?>
<Settings xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema"
  xmlns="https://www.oo-software.com">
  <ShowWelcome>false</ShowWelcome>
  <TrayMenu>Full</TrayMenu>
  <AppLogEnabled>true</AppLogEnabled>
  <Language />
  <Monitor>0</Monitor>
  <WindowPosition>RightTop</WindowPosition>
  <InfoMessage />
  <TextColor>White</TextColor>
  <TextSize>10</TextSize>
  <Opacity>100</Opacity>
  <UpdateSpeed>5</UpdateSpeed>
  <FillColorNormal>Green</FillColorNormal>
  <FillColorWarning>Yellow</FillColorWarning>
  <FillColorCritical>Red</FillColorCritical>
  <FillColorBackground>LightGray</FillColorBackground>
</Settings>
```

Configuration File Parameters

The following table lists the respective parameters and their possible values.

Parameter	Type	Possible Value	Description
AppLogEnabled	Item	true, false	Activates logging
CustomProfile	Profil	see explanation below	Profile to display the value
FillColorBackground	Item	Color values	Color for the fill bar of the free memory
FillColorCritical	Item	Color values	Color for the filling bar of the drives with capacity > 90%
FillColorNormal	Item	Color values	Color for the filling bar of the drives with capacity < 80%
FillColorWarning	Item	Color values	Color for the filling bar of the drives with capacity >= 80% and < 90%
InfoMessage	Item	Text	Message or tip for the user
Language	Item	de, en, fr	Language for the display
Monitor	Integer	0...n	Index of the monitor for display; 0 = main monitor
Opacity	Integer	0...100	Transparency of display; 0 = not visible, 100 = fully visible
SelectedProfile	Item	Default, Full, Minimum, Custom	Name of selected profile; Default is standard and delivers the most important information. Full shows all available information and can thus become a long list. In contrast, Minimum only displays basic information.
TextColor	Item	Color values	Text colour
TextSize	Integer	0...n	Text size
TrayMenu	Item	Full, ExitOnly, HideMenu, HideAll	Enables the restriction or complete deactivation of the context menu and the icon in the info area. Full is default and displays everything. ExitOnly shows only the Exit entry in the context menu. HideMenu completely hides the context menu, HideAll also hides the Icon.
WindowPosition	Item	LeftBottom, LeftTop, RightBottom, RightTop	Position of the display relative to the corner of the screen

Color values

For the colors, either the names of the colors in English or RGB values in HTML hexadecimal form can be specified. For example, this is `White` or `#FFFFFF` for white.

A full list of colors is available from Microsoft:

<https://docs.microsoft.com/de-de/dotnet/api/system.windows.media.colors?view=net-5.0>

Below is a selection of possible color names and values.

Color	Color name	Hexadecimal value
(sample)	BlueViolet	#FF8A2BE2
(sample)	DarkCyan	#FF008B8B
(sample)	DarkSeaGreen	#FF8FBC8F
(sample)	DeepSkyBlue	#FF00BFFF
(sample)	SandyBrown	#FFF4A460
(sample)	Salmon	#FFFA8072
(sample)	YellowGreen	#FF9ACD32
(sample)	RoyalBlue	#FF4169E1
(sample)	DarkGray	#FFA9A9A9
(sample)	Gray	#FF808080

Profile to display the information

The values, their sequence and distances can be defined in a profile. It takes the form of a list of item entries as can be seen in the following example:

```
<CustomProfile>
  <Name>Custom</Name>
  <DisplayName>Custom Profile</DisplayName>
  <Keys>
    <Item>UserName</Item>
    <Item>MachineName</Item>
    <Item>--</Item>
    <Item>OSEdition</Item>
    <Item>OSVersion</Item>
    <Item>OSBuild</Item>
    <Item>OSCodename</Item>
    <Item>--</Item>
    <Item>Processor</Item>
    <Item>TotalPhysicalMemory</Item>
    <Item>SystemType</Item>
    <Item>--</Item>
    <Item>IPv6AddressLocal</Item>
    <Item>IPAddressLocal</Item>
    <Item>--</Item>
    <Item>CPUUtilization</Item>
    <Item>RAMAvailability</Item>
    <Item>--</Item>
    <Item>LocalDrives</Item>
    <Item>NetworkDrives</Item>
  </Keys>
</CustomProfile>
```

Keys

The following table lists all possible keys for the display. If a value for a key is not available, the entire line is hidden.

Key	Explanation
BytesReceivedPerSecond	Incoming transfer rate of the network adapter with min / max values
BytesSentPerSecond	Outgoing transfer rate of the network adapter with min / max values

Key	Explanation
ConnectionType	Type of internet connection: unlimited or limited (e.g. mobile service)
CPUUtilization	Actual CPU load with min/max values
GPUMemory	Dedicated memory size of the GPU
GPUName	Name of the GPU (Graphic Processor)
InfoMessage	User-specific additional information, e.g. Contact the IT Help Desk
IPv4AddressLocal	Local IPv4 address
IPv4DefaultGateway	IPv4 Default Gateway
IPv4DHCP Servers	List of IPv4 DHCP servers
IPv4DNSServers	List of IPv4 DNS servers
IPv4SubnetMask	IPv4 subnet mask for the network adapter
IPv4WINSServers	List of IPv4 WINS servers
IPv6AddressLinkLocal	Link-local IPv6 address
IPv6AddressLocal	Local IPv6 address
IPv6DefaultGateway	IPv6 default gateway
IPv6DHCP Servers	List of IPv6 DHCP server
IPv6DNSServers	List of IPv6 DNS servers
IPv6WINSServers	List of IPv6 WINS servers
IsDHCPEnabled	DHCP Activation Status
LocalDrives	List of locally connected drives with fill levels
MachineName	Name of the machine
NetworkDrives	List of connected network drives with fill levels and status
NetworkInterface	Name of Network adaptor
OSBuild	Windows Version build
OSCodename	Codename of Windows Version
OSEdition	Windows Edition
OSInstallDate	Windows installation date
OSOEMProductKey	Windows OEM product key
OSProductKey	Windows Product Key
OSVersion	Windows Version
PhysicalAddress	Physical address of the network card (MAC address)
Processor	Processor description
RAMAvailability	Currently available memory with min / max values
RemovableDrives	List of removable drives with fill levels and status
SystemType	Address width of the CPU and the operating system
TotalPhysicalMemory	Main memory
UserName	User name