

## msDNS 1.0

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## **msDNS**

### **Ordering the sourcecode**

While the msDNS control is freeware, sourcecode for the control is not. You may want to use the sourcecode for your projects, as it reduces your distributions' size to do so. Furthermore, you won't have to worry about installation problems. You might also want some different functionality not yet included in the control - sourcecode should be your choice then.

You can order the sourcecode for msDNS (written in Visual Basic 5.0) for 50 US\$ (e-mail delivery). For postal delivery on a 3.5"-floppy diskette (1.44 MB), a service fee of 5 US\$ is added.

### **You may pay the sourcecode**

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**For details and to order, please see the [order form](#) now.**

**msDNS**  
**FREWARE**

This version of msDNS is freeware, but it has not been placed in the public domain (sourcecode for the control is not included). Enjoy.

If you're interested in the control's sourcecode, you can however order the sourcecode for 50 US\$. Please see the [sourcecode order information](#) for closer details.

## Event: SocketError

**Description:** Fires after a reply from the DNS server has been received.

**Syntax:** `Private Sub DNS1_SocketError(ByVal Number As Integer, ByVal Description As String)`

**Setting:** Number returns an error number for identification in your code. If you want to bypass the information to the user, an error description is held in Description.

**See also:** [Status](#)

## Event: Ready

**Description:** Fires after a reply from the DNS server has been received.

**Syntax:** `Private Sub DNS1_Ready(ByVal Status As Integer)`

**Setting:** The possible values for Status-parameter are:  
**dnsReady** = 0 Query was successful and returned information.  
**dnsNotFound** = 1 Query was successful but did not return information.  
**dnsError** = 2 Query produced an error.

**See also:** [Status](#)

## Property: LocalHostName

**Description:** Returns the hostname for the local machine. Read-only.

**Usage:** DNS1.**LocalHostName**

**Data Type:** String

**Remarks:** If you need your local machine's IP address, just pass this property's string to the [HostName](#)-property.

**See also:** [HostName](#)

## Property: Status

**Description:** Returns the last query's status. Read-only.

**Usage:** DNS1.**Status**

**Setting:** The settings for the Status-property are:

<b>dnsReady</b> = 0	Last query was successful and returned information.
<b>dnsNotFound</b> = 1	Last query was successful but did not return information.
<b>dnsError</b> = 2	Last query produced an error.

**Data Type:** Integer

**See also:** [Ready](#)

## Property: **HostName**

**Description:** Sets or returns a hostname ("friendly name").

When read, contains the hostname for the host specified by the [HostIP](#)-property.

When set, immediately invokes a DNS query for the HostIP-property. Your program's execution is halted until a result has been received in which case the [Ready](#)-event fires, providing you with query result status information.

**Usage:** `DNS1.HostName [=FriendlyName]`

Where *FriendlyName* address is a string containing a hostname, for example "www.microsoft.com".

**Data Type:** String

**See also:** [HostIP](#) , [Ready](#)



## Property: HostIP

**Description:** Sets or returns an IP address.

When read, contains the IP address for the host specified by the [HostName](#)-property.

When set, immediately invokes a DNS query for the HostName property. Your program's execution is halted until a result has been received in which case the [Ready](#) -event fires, providing you with query result status information.

**Usage:** DNS1.**HostIP** [=IP address]

Where *IP address* is a string containing a valid IP address.  
Examples for valid IP addresses:

"123.456.7.8"

"123.456.777.888"

"123.456.007.008"

...you get the idea.

**Data Type:** String

**See also:** [HostName](#) , [Ready](#)

## **msDNS** **Reference**

### **Properties**

[HostIP](#)  
[HostName](#)  
[LocalHostName](#)  
[Status](#)

### **Events**

[Ready](#)  
[SocketError](#)

## msDNS Introduction

### What is msDNS?

msDNS gives you the "friendly" hostname or an IP-address (depending on which of the two is missing) for a TCP/IP-networked computer by querying your DNS server. It does however use synchronous calls (subject to change), meaning it will stop your program from execution for as long as msDNS tries to get a reply from the DNS server.

### Quick tour

Simply put the control on a form and either set its [HostName](#)-property to a friendly name (like `www.microsoft.com`) or set its [HostIP](#)-property to a given IP address. As soon as you have set one of these properties, msDNS immediately tries to connect to your DNS-server to query the value for the missing property. Your program gets halted from execution until a reply has been received. The evnts [SocketError](#) and [Ready](#) inform you about the query's result. The last result is always readable from the control's [status](#)-property. Additionally, the [LocalHostName](#)-property informs you about your computer's "friendly" hostname. If you need you IP address, just pass it to the control's [HostIP](#)-property.

## **msDNS**

### **System requirements**

You can use msDNS with any programming language or other product (e.g. Microsoft Visual Basic, ActiveX-supporting WebBrowsers (should be interesting in this case), Microsoft Access 97, Borland Delphi, ...) that supports usage of OCX-controls. However, the runtime-library for Microsoft Visual Basic 5 (SP2 or above) is required for the control to work.

This runtime-library (MSVBVM50.DLL) is quite large, it has therefore not been added to this archive (among others, it is included with Microsoft Visual Basic 5.0 and Microsoft Internet Explorer 4.0 and above). If you don't have a copy of the runtime-library yet, you can download it from many places on the internet; for example from **<http://www.winsite.com>** or **<http://www.simtelnet.com>** which both have mirrors all over the world.

You might want to try "FTP-Search" to find a download-location close to your geographical location: **<http://ftpsearch.ntnu.no/ftpsearch>**. Search for "msvbvm50.zip" (or "msvbvm50.cab" if you prefer cabinet-archives). Take care to get an SP2-version (or later).

## **msDNS**

### **The Windows Registry**

An OCX-control must always be registered with the Microsoft Windows Registry before you can use it.

A setup for this control has not been included because it would have enlarged the archive too much. You will need to register the control manually to view the product sample. You will probably not need to register it manually if you first load it in your development environment (IDE) because most IDEs automatically register a control when it is used in the IDE for the first time.

To register the control with the Windows Registry (this must also be done by the setup-program you use to distribute your application using the control - installation-wizards usually do this for you) just execute this commandline:

```
regsvr32.exe [path]\msDNS.ocx
```

Where [path] is the directory where the file msimouse.ocx is located (the system-subdirectory of your Windows-directory is recommended, in that case [path] can be left out as well as for the case that the location of msDNS.ocx is in the path-environment or in the Windows-directory).

Example: If the file msDNS.ocx is located in C:\MYCONTROLS\, the call would be

```
regsvr32.exe c:\mycontrols\msDNS.ocx
```

If you experience any problems first try unregistering the control and then registering it again (as described above): To unregister the control simply use:

```
regsvr32.exe -u [path]\msDNS.ocx
```

You can use "Start", "Run..." in Windows' Explorer to type in the above commands. You can also simply "drag" the file msDNS.ocx in the Windows Explorer over the file regsvr32.exe to register the control (unregistering however does not work this way).

**msDNS**  
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**Visit the family on the internet:**  
**<http://www.comports.com/Schiffer>**

If you have any questions not covered in this helpfile, have suggestions for future versions or new controls, don't hesitate to contact the author (if you have a problem, please include information about your development environment, your operating system, the version of this control and details about your hardware as much as a close description of your problem - do not send files unless requested):

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## webDNS Web Application

The **webDNS** web application is an OCX basing on msDNS. You can use it to offer a DNS lookup service on your Homepage for visitors using an ActiveX supporting browser. Usage is free.

webDNS, in short, offers these special properties, methods and events that enable you to even implement it in webscripting:

### Special properties:

BackColor	Application's back color (applies to all intrinsic controls)
ForeColor	Application's foreground color (applies to all intrinsic controls)
Language	0=English, 1=German
SetHostName	Used to set a hostname (for scriping or as an initial value) See "SetIP-Notice"
SetIP	Used to set an IP address (for scriping or as an initial value) <u>Notice:</u> Do not use more than one of the properties "SetHostName" and "SetIP" at once. If you do so, both queries will immediately get started (one after the other)

### Special event:

DNSReply	<b>Syntax:</b> Private webDNS_DNSReply(ByVal Status As Integer, ByVal IP As String, ByVal HostName As String) The parameters should be self-explanatory; the Status-parameter is the same as for msDNS's <u>Status</u> -property. (for scriping)
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### Special method:

QueryDNS	Starts a DNS query (for scriping)
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# msDNS 1.0

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**FREEWARE**



**msDNS** is a 32bit ActiveX-control (OCX) for usage with any programming language capable of using OCX-extensions (especially but not limited to Microsoft Visual Basic).

It has been designed to get a hostname associated with an IP and vice versa.

## Help topics

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