

SmartWhois is a useful network information utility that allows you to find out all available information about an IP address, host name, or domain, including country, state or province, city, name of the network provider, administrator and technical support contact information.

Unlike standard Whois utilities, SmartWhois can find the information about a computer located in any part of the world, intelligently querying the right database and delivering all the related records within a few seconds. The program can retrieve information from more than 20 servers all over the world.

SmartWhois can save obtained information to an archive file. Users can load this archive the next time the program is launched and add more information to it. This feature allows you to build and maintain your own database of IP addresses and host names. You can also load a list of IP addresses as a text file and have SmartWhois process the whole list.

SmartWhois is capable of caching query results, which reduces the time needed to query an address; if the information is in the cache file it is immediately displayed and no connections to the whois servers are required.

### **Version 3.3**

- INFO and BIZ domains are supported;
- Domain expiry dates are displayed when available;
- You can now drag-and-drop data from/to the application window;
- More command line options have been implemented;
- You can now select the fields to be included in the output text file when saving results;
- Windows XP themes are supported;
- Many bug fixes.

### **Version 3.2**

- URL de-obfuscation: the program automatically decodes URLs when you paste them into the input window;
- Command line parameters are now supported (useful if you call SmartWhois from another application);
- NO (Norway) domains are now supported;
- A red domain icon is displayed on the left panel if the domain you searched for was not found;
- If the Internic whois server is temporarily down, the program tries to obtain data from an alternative server;

### **Version 3.1**

- An interface to Web search engines has been added to the right panel's context menu;
- LU (Luxembourg) domains are now supported;
- A few bug fixes.

### **Version 3.0**

- The application was re-written from scratch;
- A new interface;
- Added a Whois console for custom queries;
- Domain batch processing;
- Results can be saved as an HTML file;
- CH (Switzerland) and LI (Liechtenstein) domains are now supported;
- Problems with NZ (New Zealand) and CA (Canada) domain queries solved;
- Country codes reference;
- Ability to add user notes;
- Many other improvements.

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You may not modify, reverse engineer, decompile, or disassemble this software in any way, including changing or removing any messages or windows.

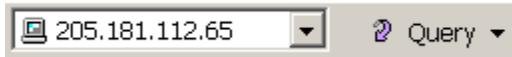
If you don't like reading long manuals and you are already familiar with the Internet, this is probably the only chapter you need to read to get started.

**Step 1.**

Launch the program.

**Step 2.**

Type in or paste an IP address, hostname, or domain name. An example of an IP address query is shown below:



A hostname query:



A domain name query:

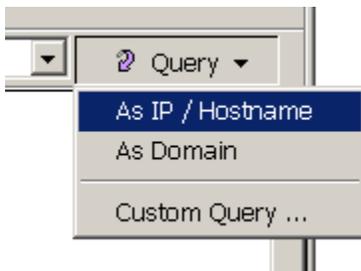


**Step 3.**

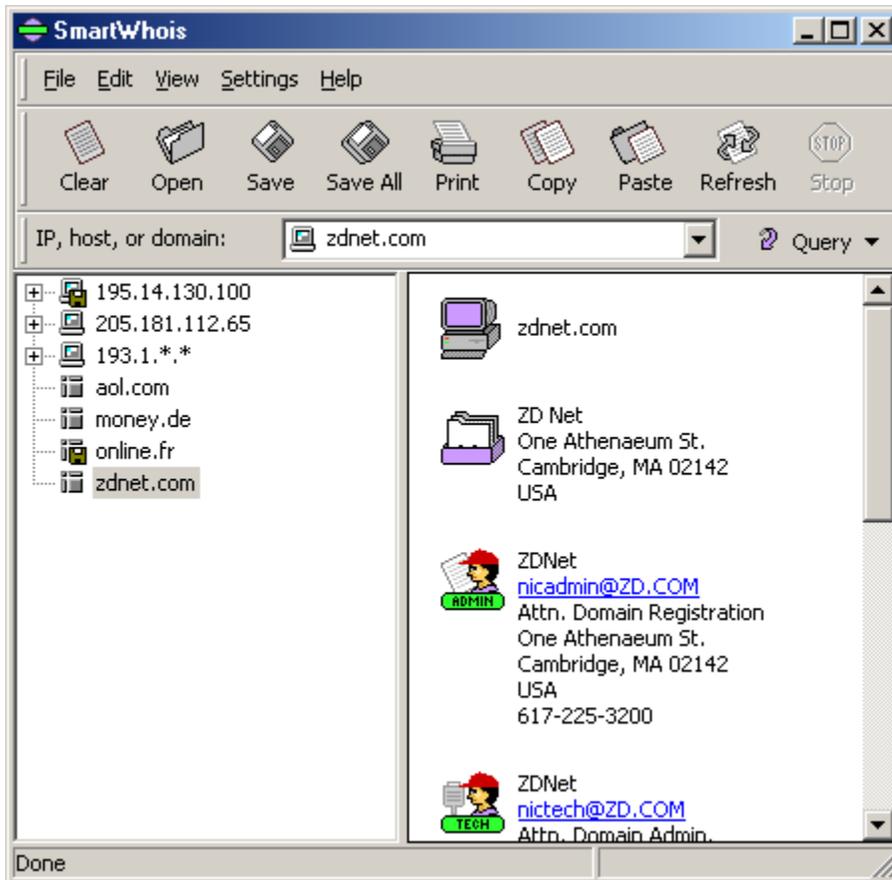
Make an IP address or hostname query by clicking **Query =>As IP/Hostname** or simply by pressing the Enter key.

Or

Make a domain query by clicking **Query => As Domain** or press the Enter key while holding down the Ctrl key (Ctrl+Enter).



The program main window consists of the input area where you can enter your query, the menu and toolbar for performing standard operations, and the output window where query results are displayed. The output window consists of the IP address tree (the left panel), which lists all queried IP addresses, and the text area (the right panel), where the information is displayed.



To obtain information about an IP address, hostname, or domain just enter it in the input box and hit the Enter key (Ctrl+Enter in case of domain queries), or click on the **Query** button. Alternatively you can choose a recent query from the drop-down list. If you would like to learn more about the difference between IP addresses, hostnames, and domains, please see the [Types of Queries](#) chapter.

SmartWhois displays information obtained from the whois servers as a set of items represented by icons. A query result does not necessarily contain all of the items because the amount of data returned by whois servers depends on the specific IP address. [Click here](#) to see the meaning of the icons.

The left panel displays all the IP addresses and domain names you have queried during the session represented by icons. Every IP address in the tree is represented by a thread that consists of several branches. The parent branch is the IP address that you entered. The child branches are the net blocks in which this IP address was found. You can browse through the branches by clicking on them. When a new query is sent all the old threads are collapsed and a new thread is created. [Click here](#) to see the meaning of the icons.

## Main Menu

### File

**Clear** - clears the output window, both the IP address tree and the text area.

**Open** – opens a SmartWhois archive or batch file. If a SmartWhois archive is opened its contents are displayed. If some results are already present in the IP address tree and text area, they will be merged with the archived data. If a batch file is opened, all IP addresses or domain names contained in it are processed.

**Save Current Result** - saves the current result from the text area into a SmartWhois archive or HTML file.

**Save All Results As...** - saves all the results from the IP address tree and text area into a SmartWhois archive.

**Print Current Result** - prints the current text area.

**Exit** - closes the program.

## Edit

**Copy** - copies selected text from the text area to the clipboard.

**Paste** - pastes the clipboard contents into the input area.

**Select All** - selects all text in the text area.

## View

**Toolbar** - shows or hides the toolbar.

**Status Bar** - shows or hides the status bar.

**Source** - opens a window that shows raw information as it was received from the whois server.

**Whois Console** – opens a window for making a custom query. You can specify the whois server you want to query and make a specific type of query.

**My Notes** – opens a window where you can enter your notes about IP addresses, hostnames, or domain names.

**Country codes** - opens a window with the list of countries and two letter codes assigned to them.

## Settings

**Fonts** – opens the Font dialog. The **Main Window** font is used for the menus, toolbar and status bar, the **Left Panel** font for the IP address tree, and the **Right Panel** font for the text area.

**Colors** – opens the Background colors dialog for the **Left Panel** or **Right Panel**.

**Resolve IP address to hostname** – check this item if you want SmartWhois to perform a reverse DNS lookup. See the Configuring SmartWhois chapter for more information.

**Ping hosts** – check this item if you want SmartWhois to ping hosts. See the Configuring SmartWhois chapter for more information.

**Options** – opens the configuration dialog.

## Help

**Contents** – opens the help file.

**Search For Help On** – opens the SmartWhois help index.

**About** – shows the About window.

Right-clicking on a parent branch of the IP address tree pops up the following menu:

**Save** - saves the information about the selected IP address and its default net block into a SmartWhois archive or HTML file.

**Refresh** - refreshes the information about the selected IP address.

**Delete** - deletes the information about the selected IP address and all the child branches.

**View Source** - opens a window and shows raw information as it was received from the whois server.

**My Notes** – opens a window where you can put your notes about IP addresses, hostnames or domain names.

Right-clicking on the right panel pops up a context menu with the following commands:

**Copy** – copies selected text to the clipboard.

**Select All** - selects all text in the text area.

**Search for** – allows you to search for the selected text using one of the major Web search engines.

## Left Panel



IP address or net block; the information is obtained online.



IP address or net block; the information is obtained from the local cache or is loaded from a SmartWhois archive.



Domain; the information is obtained online.



Domain; the information is obtained from the local cache or is loaded from a SmartWhois archive.



Domain not found; the information is obtained online.



Domain not found; the information is obtained from the local cache or is loaded from a SmartWhois archive.

## Right Panel



IP address or domain that was queried, as well as optional ping and hostname information.



Default (the narrowest) net block assigned to the IP address. For domain queries, this icon shows the domain's IP address, if any.



IP address / domain owner. It can be a company name for corporate networks or an Internet Service Provider (ISP) name for dial-up connections.



Administrative contact and all the related information: address, telephone and fax numbers, e-mail, etc.



Technical contact and all the related information: address, telephone and fax numbers, e-mail, etc.



Billing contact and all the related information: address, telephone and fax numbers, e-mail, etc.



Name servers assigned to the IP address / domain.



Registered internal Internet name of the network, registration date (sometimes the registration information last modification date) and the source of the information.

## Information For Beginners

It's important to understand the difference between IP addresses, hostnames, and domains. An **IP address** is a unique number that identifies a computer on the Internet, for example 205.181.112.65. You may want to obtain information about an IP address to find out who is the real sender of an e-mail message, or who is attacking your computer.

A **hostname** is just an easy-to-remember name corresponding to an IP address. For example, *www.microsoft.com* is the name for the IP address 207.46.230.219. A whois query for *www.microsoft.com* and *207.46.230.219* returns exactly the same information.

Domains are different from hostnames and IP addresses. A **domain** is a network name registered to someone. Domain queries provide information about the owner of a domain name. For example, if you want to purchase the *cats.com* domain name to make a web site about cats, you may want to contact the current owner of this domain to discuss the deal. To obtain the information about the domain name owner you need make a domain query.

SmartWhois is capable of performing both IP address/hostname and domain name queries.

## IP Address / Hostname Queries

To obtain information about an IP address or a hostname, just enter it in the input box and hit the Enter key, or click on the **Query** button and select **As IP / Hostname**. You can choose a recently queried IP address or host name from the drop-down list. Examples of IP addresses are *204.71.203.160*, *216.115.104.67*, or *195.14.130.100*. Examples of hostnames are *bsads.looksmart.com*, *jump.altavista.com*, or *www.ebay.com*. SmartWhois also supports IP addresses with wildcards, such as *193.1.\*.\** or *193.1.217.\**. In this case the program will scan the specified range of addresses and display all entries found.

## Domain Queries

If you want to query a domain registration database, enter a domain name and hit the Enter key while holding the Ctrl key, or just select **As Domain** from the **Query** drop-down menu. The examples of valid domain names are *netcom.com*, *volvo.se*, or *digiserve.co.uk*. Don't use the "www" prefix in your domain queries; for example *www.microsoft.com* is not a valid domain query (albeit a valid hostname query).

## Custom Queries

If you need to query a non-default whois server or make a special query, click **View => Whois Console** from the menu, or click **Query** button and select **Custom Query**.

SmartWhois uses 4 main servers for IP queries and more than 20 regional whois servers to obtain domain registration records. Note that there are many countries that don't have whois databases, and information for such national domains cannot be obtained. SmartWhois currently covers:

International domains: COM, NET, ORG, INFO, and BIZ;

US domains: EDU, GOV, MIL, and US;

Almost all of the European domains;

Canada, Mexico, Brazil, Japan, New Zealand, Australia, Singapore, Thailand, Taiwan, South Korea, and a number of other countries.

SmartWhois can process lists of IP addresses, hostnames, or domain names saved as plain text files. The valid format for such batch files is simple: each line must begin with an IP address, hostname, or domain. If you want to process domain names, they must be located in a separate file from IP addresses and hostnames. If an IP address, hostname, or domain name is followed by other characters/words placed on the same line, there must be at least one space separating them from the first word on a line. Below is an example of a batch file, which is a standard web server log:

```
133.169.11.1 - - [10/Apr/2000:08:09:32 -0400] "GET /en.htm HTTP/1.0" 200 5413 "-" "Mozilla/4.0 (compatible; MSIE 4.01; Windows 98)"
24.19.132.144 - - [10/Apr/2000:08:09:33 -0400] "GET /images/l2.gif HTTP/1.1" 200 848 "http://www.tamos.com/"
"Mozilla/4.0 (compatible; MSIE 5.01; Windows NT 5.0)"
194.45.56.32 - - [10/Apr/2000:08:09:34 -0400] "GET /download.htm HTTP/1.0" 200 10921 "http://www.tamos.com/" "Mozilla/4.61
[en] (WinNT; I)"
```

Another sample batch file:

```
203.160.224.66
199.107.4.10
ns0.apecs.co.jp
161.196.244.104
24.94.163.6
pool0142.cvx25-bradley.dialup.earthlink.net
210.145.100.82
```

An example of a domain name batch file:

```
toyota.com
starpower.net
force9.co.uk
volvo.se
```

You can automate batch processing using [command line options](#).

SmartWhois supports command line parameters specifying IP address/hostname/domain, as well as files to be opened/saved.

### Simple Parameters

To launch SmartWhois and make it query an IP address/hostname, you don't need to use any parameters except the IP address/hostname itself:

```
SW3.EXE 207.46.197.113
SW3.EXE www.yahoo.com
```

For domain queries, the domain name should be followed by "d":

```
SW3.EXE yahoo.com d
SW3.EXE etrade.com d
```

### Complex Parameters

You can use command line parameters for performing complex batch tasks, such as loading a list of IP addresses, processing the list, saving the obtained results into a text file, and exiting. The following parameters exist:

- b specifies that the program should work in batch mode. This parameter is mandatory.
- si specifies that the next argument is a source file containing a list of IP addresses.
- sd specifies that the next argument is a source file containing a list of domains.
- ot specifies that the next argument is an output file, and that the results should be saved as text.
- oa specifies that the next argument is an output file, and that the results should be saved as a SmartWhois archive.
- c Specifies that the program should be closed when done. If you use this parameter, it should always be the last one.

Examples:

```
SW3.EXE -b -si C:\LOGS\list.txt -ot C:\LOGS\results.txt
```

The program reads IP addresses from list.txt, processes the list, and saves the results to results.txt in plain text format.

```
SW3.EXE -b -sd C:\LOGS\domains.txt
```

The program reads domains from list.txt and processes the list without saving results.

```
SW3.EXE -b -sd C:\LOGS\list.txt -oa "C:\Business Data\my domains.sw3" -c
```

The program reads domains from list.txt, processes the list, saves the results to mydomains.sw3 as a SmartWhois archive, and exits.

**Important:** Files names containing spaces must be enclosed in quotation marks (" ").

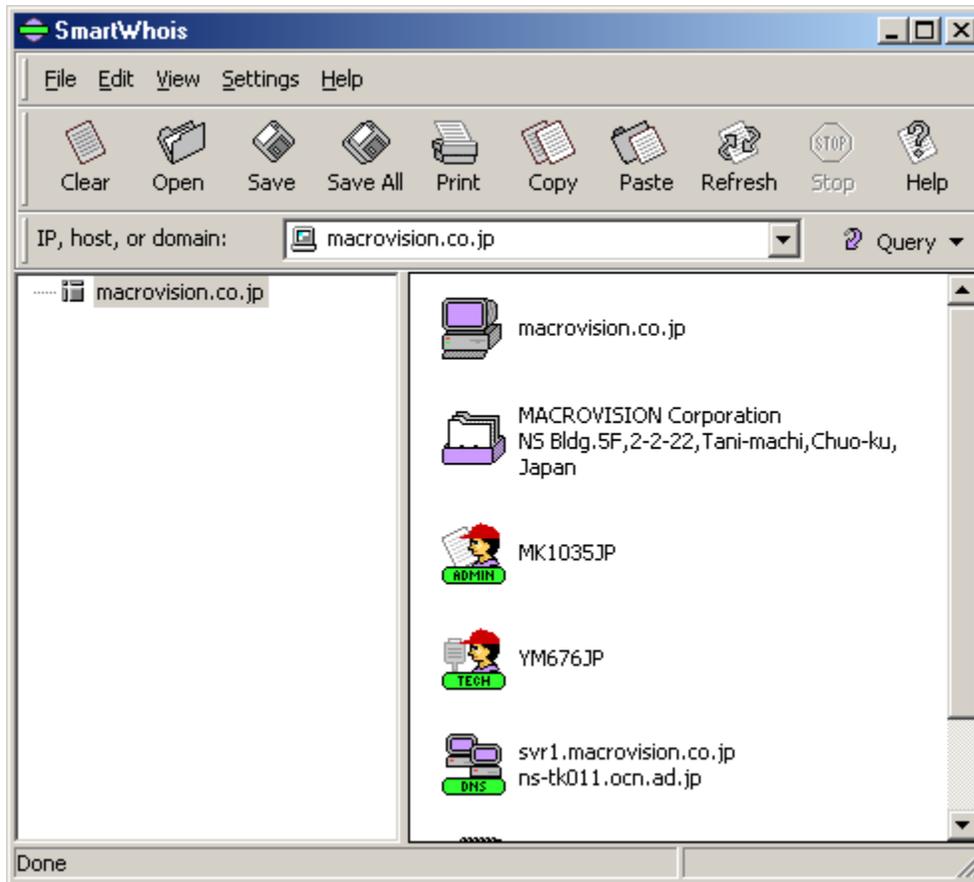
SmartWhois allows you to save query results as a SmartWhois archive, TXT, or HTML file. If you want to save the current query output to a SmartWhois archive, click **File =>Save Current Result =>As SmartWhois Archive**. In this case the contents of the IP address tree and the text area related to the current query are saved. To save query results as HTML or TXT file, click **File =>Save Current Result =>As HTML File / As Text File**. Only the information from Text Area will be saved.

You can also save all query results to a SmartWhois archive by clicking **File =>Save All Results As ...**. All contents of the IP tree and the corresponding output will be saved.

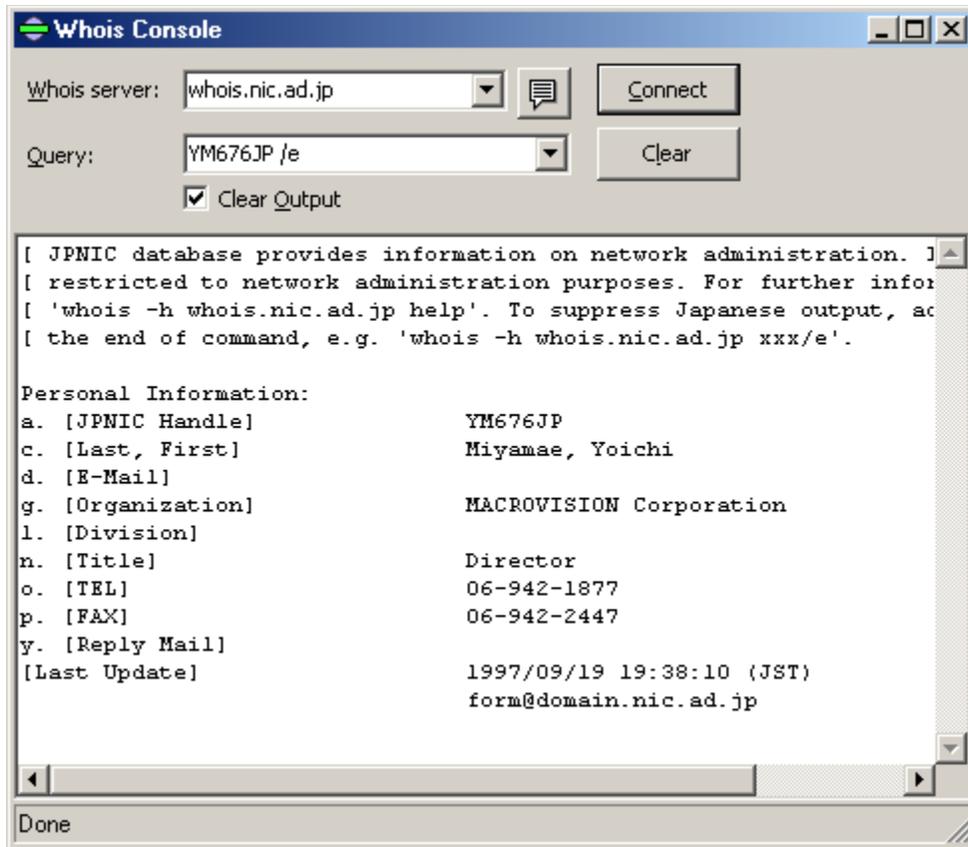
If you're saving results as a text file, you can specify the data fields to be saved; for example, you can exclude name servers or billing contact from the output file. Click **Settings => Options => Misc. => Saving** to configure the options.

Additionally, you can drag the contents of the left or right panel to any folder. If you drag data from the left panel, the resulting file will be in SW3 (SmartWhois archive format). If you drag data from the right panel, the resulting file will be in HTML format.

Whois Console is used for making special queries or for querying a non-default whois server. Sometimes a standard query output would create a need for making a special query to obtain more detailed information. Here is an example of a standard query output for the domain *macrovision.co.jp*:



You see that Tech and Admin information cannot be retrieved with a standard query. Let's suppose you need to obtain the technical support contact information. You can open the Whois Console by clicking **View => Whois Console** or **Query => Custom Query**, type in *whois.nic.ad.jp* for whois server and *YM676JP /e* for query, where YM676JP is the administrator's handle and /e is used for suppressing Japanese output. Click **Connect** and you will see the following output:



Whois Console has a built-in list of many whois servers located all over the world. To select a server from the list, click on the small button on the left from the **Connect** button. If you want to customize or update this list, you can do that by editing the file named *whois-servers.dat* located in the application folder.

You can save your notes about domains or IP addresses using the **View => My Notes** dialog. To add notes, just type them in the **Edit Notes** field, then enter the IP address or domain and click **Add/Update** button. If you want to view or edit a note, click on an item in the list and the corresponding text will appear in the **Edit Notes** box. To remove a note, right click on it and choose **Delete Record**. Whenever SmartWhois displays information about an IP address or domain, it checks for corresponding user notes. If they exist, SmartWhois displays a hyperlink at the bottom of the right panel indicating that you entered certain information about the given IP address or domain in the past. You can click on the hyperlink to have your notes displayed.

Every country in the world is assigned a two-letter abbreviation. These abbreviations are used for identifying the geographic location of a hostname or domain, and are also called Top Level Domains (TLD). You can see the list of TLDs by clicking **View => Country Codes**. You can sort the entries by country names or codes by clicking the **Country** or **Code** column at the top of the window.

The most up-to-date official TLD list is available at <http://www.iana.org/cctld/cctld-whois.htm>.

You can customize the program's configuration by clicking **Settings => Options**.

## Whois Servers

This tab allows you to specify whois servers for each part of the world. There are four standard whois servers for sending queries about InterNIC (US, Canada, and a few other countries), European, Asian, and Australian IP addresses. Sometimes a standard whois server might be down, so you can change it for an alternate user-defined whois server.

The **Query time-out** slider sets the time limit for each query. If no information is received during the specified time the query is canceled. Depending on the speed of your Internet connection and the accessibility of whois servers you may want to increase or decrease the query timeout.

## Network

**Resolve IP address to host name** – if this box is checked, the program will try to resolve the host name for the entered IP address when you send a query.

**Check if host is reachable (ping)** – checks if the host is reachable at the moment by pinging it. If the box is checked, SmartWhois sends pings (echo requests) to the host and waits for the reply. If the host is geographically too far away from you, some of the pings can be lost en route because this kind of network packets has the lowest priority. Due to this reason the program usually sends more than one ping (4 by default) and the response time is calculated as a mean value. The time-out slider sets the maximum time the program will wait for ping replies.

Both name resolution and pinging are performed simultaneously with the whois server queries and do not require extra time.

**Use Socks Firewall** – check this box if your PC is a part of a LAN and doesn't have direct access to the Internet. SmartWhois can access the Internet through firewalls using the SOCKS5 protocol with or without authentication. You must enter the host address and port to be able to use this feature. If you are behind a firewall, you may also want to check the **Don't resolve hostnames locally** box. This is useful when your computer doesn't have access to a DNS server. If this box is checked, SmartWhois will not try to resolve the whois server addresses locally. Rather, the program will pass them to the SOCKS server for resolving. The only limitation for computers that don't have access to a DNS server is that SmartWhois will be able to process only IP address and domain queries, but not hostname queries.

## Cache Settings

SmartWhois is capable of caching the output of all queries, as well as maintaining a DNS lookup results cache for future use. If you enter an IP address or a host name that has been previously queried the program finds the query results in the cache and immediately displays the information even if you are not connected to the Internet.

**Enable data caching** – use this checkbox to enable this feature.

You can change the maximum cache size using the **Maximum cache size** box. When the limit is reached the oldest records are removed from the cache. The current cache file size is displayed in the box with the same name.

**Auto-save interval, min.** – allows you to enable or disable cache auto-saving and set the auto-saving interval.

**View Cache** – allows you to view cached records.

**Clear Cache** – purge the cache.

**Enable IP address / hostname caching** – check this box if you want SmartWhois to cache DNS queries. On the Internet a Domain Name Server (DNS) mechanism is used for resolving hostnames to IP addresses. Usually your computer queries the DNS of your Internet Service Provider (ISP) for an IP address corresponding to a hostname. However it is possible to have DNS information stored on your local computer, which may make the program work faster.

**View Local** – allows you to view cached DNS records.

**Clear Local DNS** – purge the DNS cache.

Remember that hostnames corresponding to IP addresses can be changed by their owner. The whois server authority can change high-level DNS records, and if you have an old record in your local DNS cache SmartWhois might be unable to access these hosts. Clearing the local DNS cache can solve this problem.

## Miscellaneous Settings

## General

**Run on Windows Startup** – if this box is checked, the program is automatically launched every time you start Windows.

**Clear query history on exit** – clears the program's drop-down list from the recent queries.

**Disable auto-sorting when processing batch files** – prevents the program from automatically sorting the right panel's list when processing batch files. This allows you to see the list of IP address as it appears in the input batch file.

**Disable ping when processing batch files** – prevents the program from pinging each host or IP address contained in the batch while making queries.

**Automatically de-obfuscate URLs** – check this box to have the program decode obscure (or standard) URLs when you paste them to the input field. An examples of such URL is: <http://new.sec.34333QQ@193490259912/o%62s%63ur%65%2e%68t%6D> .

**Save all nodes when dragging** – this option controls the contents of the SmartWhois archive that is created when you drag data from the application window. If this box is checked, the resulting file contains data for all nodes on the left panel. If this box is not checked, only the currently selected node will be saved.

**Custom ping message** – allows you to change the default string contained in ping packets. To use this feature, check this box and type your own message in the textbox below.

## Saving

This pane allows you to include/exclude various data fields when you save results as a text file.

This program is a 30-day evaluation version. If you would like to continue using it after 30 days, you must purchase it. Below is the pricing for the fully functional, unrestricted version of the program:

<b>License</b>	<b>Price, US</b>
1 User License	\$29.00
5 User License	\$120.00
10 User License	\$190.00

Call us for pricing on larger site licenses.

As a registered customer, you are entitled to:

- Free updates that will be released within 1 year from the date of purchase;
- Information on updates and new products;
- Free technical support.

We accept credit cards orders, orders by phone and fax, checks, and wire transfers. Prices, terms, and conditions are subject to change without notice; please check our web site for the latest product offerings and prices.

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Questions? Comments? Suggestions? Bug reports? Don't hesitate to contact us.

<http://www.tamos.com/>

If you have a question that is not answered in this manual, please take a minute to check our Frequently Asked Questions page before contacting technical support. There is a good chance that you will find the answer there. When describing your problem, please be as specific as possible. A detailed description of the problem will help us solve it much faster. Please don't forget to mention the OS version, the program version and build (**Help => About**), and all other details that you think may be relevant.

## **CommView**

CommView is a program for monitoring Internet and Local Area Network (LAN) activity capable of capturing and analyzing network packets. It gathers information about data passing through your dial-up connection or Ethernet card and decodes the analyzed data. With CommView you can see the list of network connections and vital IP statistics and examine individual packets. IP packets are decoded down to the lowest layer with full analysis of the main IP protocols: TCP, UDP, and ICMP. Full access to raw data is also provided in real time. CommView is a helpful tool for LAN administrators, security professionals, network programmers, or anyone who wants to have a full picture of the traffic going through one's PC or LAN segment.

[More information](#)

## **Essential NetTools**

Essential NetTools is a set of network tools useful in diagnosing networks and monitoring your computer's network connections. It's a Swiss Army knife for everyone interested in a set of powerful network tools for everyday use. The program includes a NetStat utility that shows your computer's network connections and open ports and maps them to the owning application. It also features a fast NetBIOS scanner, a NetBIOS Auditing Tool for checking LAN security, and a monitor of external connections to your computer's shared resources, as well as a process monitor that displays information about all the programs and services running on your computer. Other useful tools are included, such as Ping, TraceRoute, and NSLookup. Additional features include report generation in HTML, text, and comma delimited formats and a customizable interface. The program is an easy-to-use and powerful replacement for such Windows utilities as nbtstat, netstat, and NetWatcher. It incorporates many advanced features that standard Windows tools can't offer.

[More information](#)

## **DigiSecret**

DigiSecret is an easy-to-use, secure, and powerful application for file encryption and sharing. It utilizes strong and time-proven encryption algorithms for creating encrypted archives, self-extracting EXE files, and sharing files with your associates and friends. DigiSecret also includes powerful and intelligent file compression; you no longer need .zip files when you can have encrypted and compressed DigiSecret files. The program is integrated with the Windows shell, and you can perform operations on files by right-clicking on them. It also fully supports drag-and-drop operations.

[More information](#)

