



Version 1.3

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## MACARA CLIENT SOFTWARE 1.3

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### **RELEASE NOTES**



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# 1 Introduction

## 1.1 About this Document

This document contains the release notes for the Macara Optimization Service Node (OSN) for Client 1.3. The 1.3 release is a Windows standalone client release.

**Note:** There are no corresponding SDK releases and there are no modifications to the Macara OSN 1.2.1 for this release.

## 1.2 Related Documents

### 1.2.1 Macara OSN for Client 1.3

The following documents are provided as part of the Macara OSN Client for 1.3:

- *Macara Optimization Service Node for Client 1.3 Configuration Guide*

The following document is *deprecated* by the 1.3 Client release and replaced with *online help*:

- *Macara Client Software for Windows Subscriber's Guide*

### 1.2.2 Macara OSN Release 1.2.1

The following documents are provided as part of the Macara OSN system for Release 1.2.1:

- *Macara Optimization Service Node System Administrator's Guide*
- *Macara Optimization Service Node Network Management Subsystem System Administrator's Guide*

## 1.3 Contacting Technical Support

Bytemobile's Technical Support is available to all customers who require technical assistance with a Bytemobile product, technology, or solution.

For assistance or further information, contact [support@bytemobile.com](mailto:support@bytemobile.com).



## 2 New Features and Enhancements

The Macara Client for 1.3 was extensively redesigned to provide several significant new features and enhancements to meet customer suggested requirements and feedback.

For more information on these features, refer to the *Macara Optimization Service Node for Client 1.3 Configuration Guide* and the new online help available within the software. The following paragraphs briefly highlight the major new features in this release:

- **Branding**– Macara Client for 1.3 can be packaged together with customer-specific logo which is prominently displayed in the main user interface.
- **Automatic Connection Detection**– Previous versions of this product were able to automatically monitor Windows Dialup Networking connections and automatically initiate optimization when a specified connection was dialed. This required the user to specify which connection to monitor. This release introduces a marked improvement in this functionality. The Macara Client for 1.3 automatically detects *any* type of Internet connection (including VPN connections), and searches for a Macara OSN on that connection. If it finds an OSN, it will automatically start optimization. With the aid of this new functionality, the Macara Client will automatically optimize any Internet connection it is able to connect to and with no interaction from the user.
- **Redesigned User Interface**– The user interface was significantly changed to make it simpler and more informative. In the Client for 1.3, the interface provides user feedback when optimization is automatically turned on or off by changing the color of the system tray icon. Hence the user is continually aware of the optimization status.





## 3 Installing / Uninstalling Software

### 3.1 Installing the Macara Client Software

Refer to the *Macara Optimization Service Node for Client 1.3 Configuration Guide* for procedures and information to install, configure, and operate this software.

### 3.2 Uninstalling the Macara Client Software

To uninstall the Macara Client:

1. Quit the resident Macara Client software.
2. Select **Start>Programs>Settings>Control Panel>Add/Remove Programs**.
3. In the Add/Remove Programs dialog, select **Macara Client Software>Change/Remove**.
4. When the Installshield Wizard displays the Setup dialog, select **Remove>Next>** to complete this process.



## 4 Issues Identified in this Release

### Bytemobile Reference: 2543

**Title:** Maintenance Setup on Win2K with non-admin user fails to detect installation

**Description:** When you log on to the Macara Client installed on Windows 2000 without admin user privileges, and select **Macara Client Software** from the **Add/Remove Programs** in Control Panel, the installation will inform you that `BMInstallation.ini` is missing. This error occurs because the current installation is not detected.

**Workaround:** To install or uninstall the Macara Client on Windows 2000, you must have admin privileges.

**Status:** This issue will be resolved in a future release.

### Bytemobile Reference: 2844

**Title:** Cannot automatically detect the Cisco VPN client detection

**Description:** The Macara Client 1.3 of is designed to automatically detect any type of Internet connection (including VPN connections), and automatically initiate optimization.

However, it is unable to automatically detect VPN connections that are brought up and brought down by the Cisco VPN client. This is due to the fact that the Cisco VPN client does not modify any Windows specified networking information such as the routing table, interface table, and so on.

The ramifications of this issue are as follows:

- If a user dials a connection, that *does not* contain an OSN, followed by a VPN connection to an enterprise that *does* contain an OSN, the OSN in the enterprise is *not* automatically detected when the VPN tunnel is initiated. Thus optimization will not start without manual intervention.
- If a user dials a connection that *does* contain an OSN, followed by a VPN connection to an enterprise that *does not* contain an OSN, optimization will remain on even though the new tunnel does not contain an OSN. User interaction is required to turn optimization off.

- If a user dials a connection that *does* contain an OSN, followed by a VPN connection to an enterprise that *also* contains an OSN, the Enterprise OSN will *not* be notified of the Macara Client's existence. This is because the Client will not notice the new tunnel and will maintain the connection to the network based OSN until the next beacon interval, or until the user manually intercedes.

**Workaround:** After the user initiates the Cisco VPN connection, he/she must click **Start** on the system tray icon menu to manually initiate optimization. If optimization is already on before initiating the VPN tunnel, the user should click **Stop** and then **Start** to manually restart optimization on the newly created VPN connection.

**Status:** This issue will be resolved in a future release.

### Bytemobile Reference: 2845

**Title:** Cannot distinguish between traffic destined for the enterprise and traffic destined for the network in a “split-tunnel” VPN situation, when using the Cisco VPN client.

**Description:** The Macara Client 1.3 of is designed to automatically detect any type of Internet connection (including VPN connections), and automatically optimize on the appropriate interface. However, the Macara Client is unable to detect the Cisco VPN tunnel.

Thus, if Macara Client is setup in a manner where portions of data travel through the tunnel and portions do not (a “split tunnel” configuration), the Client is unable to determine which connections it must optimize.

Consequently, when the user initiates a split-tunnel VPN tunnel with the Cisco VPN client to an enterprise containing a Macara OSN, it will optimize data traveling straight through to the Internet and not through the tunnel to the Macara OSN. Thus, those applications using this traffic may fail to function properly.

**Workaround:** Users wishing to use the Client in a split-tunnel should create a **rule** in the Client such that it only optimizes connections going through the tunnel. See *Macara Optimization Service Node for Client 1.3* for more information on creating this rule.

**Status:** This issue will be resolved in a future release.

### Bytemobile Reference: 2810

**Title:** Online help fails to open on some Windows NT and 2000 systems.

**Description:** The online HTML help files do not open in Windows NT or Windows 2000 platforms with Internet Explorer (IE) as the default browser. If IE as the default browser is not running, clicking **Help** the first time may not open the HTML help files and the error message “**Failed to open the following help file. help.htm**” is displayed.

**Workaround:** Start IE before clicking **Help**, or ignore the error message and click **Help** once again.

**Status:** This issue will be resolved in a future release.