



# **GMI Software**

## **Installation And Quickstart**

### **General Management Interface Foundation**

<http://www.gmi-foundation.org>

This document provides information on how to install the GMI (General Management Interface) Agent program on a Windows platform, and a quick start guide to verify the agent installation and basic operation. For information on GMI applications, and detailed description of agent functions, see supplemental information available on the web, and at the end of this document.

## **Obtaining the GMI Quickstart Zip Package**

Obtain the GMI-Quickstart.zip file, and unzip files to a target directory. This file can be obtained from a variety of different sources.

The Zip file contains two programs: "GMI-Agent.exe" is installed on a target end-point system; "GMI-Cmd.exe" is a simple command line utility that can be used to query and configure the GMI-Agent.exe program.

Note: The GMI-Agent.exe and GMI-Cmd.exe programs work with any version of the Windows operating system, including Windows 2000, 2003, 2008, XP, Vista, Windows 7, Windows 12.

The GMI-Agent program listens to TCP port 6441. The administrator should check firewalls and verify that this port is available to any machine communicating with the agent program

## **Installing GMI-Agent.exe**

The GMI-Agent.exe program is a stand-alone program that is installed on each end-point computer to be managed. This program is provided in the GMI-Quickstart.zip file, described above. Installation of this program is a manual procedure, as follows:

1. Copy the single "GMI-Agent.exe" program to any directory on the system. The default location for the agent program is "C:\Program Files (x86)\GMI\GMI-Agent.exe", however the program can be copied to any directory on the target system.
2. At a command prompt, change working directories to the location of the "GMI-Agent.exe" program, installed above.

3. In the directory containing GMI-Agent.exe, execute the following two commands:

```
GMI-Agent.exe --install  
GMI-Agent.exe --start
```

The above two commands will install and start the GMI service.

No other installation steps are necessary. Once the GMI-Agent.exe program is installed, the program can be controlled via the "GMI Agent" service entry of the Windows Service Manager, and the "GMI-Agent.exe" program will be visible in the Task Manager of the host system.

The GMI-Agent.exe program provides several other command options, including the above two options. Type "GMI-Agent.exe ?" for a list of additional options, including options to stop and remove the "GMI Agent" service entry.

*NOTE: As an alternative to installing the GMI-Agent as a service, you may also run the GMI-Agent.exe program in foreground at a command prompt. Just execute the GMI-Agent program with no arguments. In this mode of operation, the GMI-Agent will operate under your user ID, and will exit when you log off. Additionally, the GMI-Agent will provide useful debug and status information via standard output. This mode does not require special administrative access.*

## Verifying the Agent Program With GMI-Cmd.exe

The "GMI-Cmd.exe program is a stand-alone utility that is typically installed at one or a few locations, useful for querying and configuring the agent program. The program is provided in the GMI-Quickstart.zip file, described above. The GMI-Cmd.exe program can be copied into the path of the user or to some other directory, and then executed at a command prompt. Basic usage is as follows:

1. Execute the GMI program by typing the program name at a command prompt:

```
GMI-Cmd.exe
```

This will generate the "GMI>" prompt.

2. Before executing any agent specific commands, connect to the agent using the following command:

```
connect (ipaddr)
```

The GMI-Cmd.exe program will then connect to the agent. If you cannot connect to the agent, you should verify that port 6441 is available, and the agent is actually installed and running at the end-point system given by the IP address.

3. Issue further commands after connecting to the agent, notably the "ls" command to list the agent paths, the "cd" command to traverse the agent path structure, and the "upload" command to upload new applications.

No other installation steps are necessary. The GMI-Cmd.exe program provides several other commands and options. Type "?" at the GMI> prompt for a list of additional commands, or refer to the GMI-CMD.exe reference documentation.

*NOTE: Various other management programs are available for the GMI Agent. Refer to the list of technical partners and / or web resources for more information, or visit the GMI Foundation website. The GMI-CMD.exe program, described above, provides just one method, which may be useful to developers, administrators, or network managers.*

## **Uploading GMI Applications To The Agent**

The GMI Agent comes with a small set of built-in applications. You may upload other applications using the "upload" command. GMI applications are usually packaged with a ".gmi" extension, and must be signed by a certifying authority before they can be used.

*NOTE: Various certified GMI Apps are available for special or general processing, suitable for general management, statistics gathering, software installation, scheduling, or other end-point management applications. Refer to the list of technical partners and / or web resources for more information, or visit the GMI Foundation website.*

For more information on GMI applications (both open source and commercial packages) consult web resources. In particular, the GMI Foundation provides extensive information on developing new applications, including various open-source initiatives suitable for both beginning and advanced software professionals.

## About The GMI Foundation

The GMI Software consists of agents, utilities, documentation and API's intended to promote secure and flexible management of end-points. GMI fully supports Open Source Initiatives, and views its role as one of not-for-profit promotion of software to correct the endemic problems associated with system and software management. More information on the GMI Foundation is available at the following location:



### **GMI Foundation**

<http://www.gmi-foundation.org>

mailto: [info@gmi-foundation.org](mailto:info@gmi-foundation.org)

## About Our Technical Partners

Additional information on the GMI Software, including a selection of useful GMI Apps, as well as professional and support services, is available from various members of the GMI Foundation.

A central clearinghouse for GMI applications is provided by Vallum Software, LLC, who provide support, certification, and development solutions, as well as the "Halo Management System", based on the GMI agent. Visit the link below.



### **Vallum Software, LLC**

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