



# Installation and Deployment

Help Documentation

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## SmarterMail System Requirements

SmarterMail was designed to coexist with multiple applications on the same server based on the following minimum requirements:

- Windows XP\*, Windows Vista\*, Windows Server 2003 or higher
- SmarterMail Web server included with product
- Microsoft .NET 3.5 Framework

However, SmarterTools recommends the following requirements for maximum efficiency:

- Windows Server 2003 or higher
- Microsoft IIS 7.0\*\*
- Microsoft .NET 3.5 Framework

Note: Each installation and environment is unique. Extra load caused by excessive messages or email accounts and/or other factors may require more disk space, memory, database allocation, etc. than suggested in the online help. SmarterTools recommends that system administrators slowly add domains to the server and watch how they impact the server. In addition, email patterns indicate that the number of email messages per account are increasing by approximately 60% every two years. It is important to keep this growth in mind when planning your rollout.

\*Microsoft's non-server based operating systems limit the maximum number of inbound connections to 10. For more information regarding this issue, refer to the Windows Vista EULA or the Windows XP Pro EULA .

\*\*SmarterMail includes a basic Web server, so the product is fully function upon installation□even without the existence of IIS or other Web servers. However, SmarterTools recommends installing Microsoft IIS 7.0 in place of the SmarterMail Web server for increased performance and security. For more information, see Running SmarterMail as an IIS Site .

## Installation

SmarterMail comes as a single installation file that contains everything necessary to run the product. The SmarterMail installer can be downloaded from <http://www.smartertools.com> . Both the free and the licensed editions of SmarterMail are contained within this installation file, so it is not necessary to download or install the file again if you purchase a license after trying the free edition.

Please refer to the KB article How To - Install SmarterMail for step-by-step installation instructions.

## Running as an IIS Site

By default, SmarterMail installs a basic Web server that allows companies to start using the application immediately after installation. However, SmarterTools recommends moving to a more robust and secure Web server, such as Microsoft IIS. For step-by-step instructions on configuring SmarterMail to run with Microsoft IIS 7.0, please refer to the KB article [How To - Set up SmarterMail as an IIS Site](#).

Alternatively, you may run SmarterMail as a virtual directory under an existing site. However, this is not recommended. For more information, please refer to the KB article [How To - Set Up SmarterMail as a Virtual Directory Under and Existing IIS Site](#).

Note: This help topic assumes familiarity with Microsoft IIS and how it works. SmarterTools recommends using the basic Web server included with SmarterMail if you are unfamiliar with or uncomfortable using Microsoft IIS.

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## Activating SmarterMail

In order for SmarterMail to function for more than 10 users, the product must be activated using a valid license key. In addition, if SmarterMail is moved to another server or assigned to a different database, the product may need to be reactivated.

To access the product activation wizard, click the Settings button in the main toolbar. Then expand the Activation folder and click Licensing in the left tree view. The edition and license level information for the version of SmarterMail currently being used will load in the content pane.

To activate or reactivate a valid license key, click the Activate button in the actions toolbar. For step-by-step activation instructions, please refer to the KB article [How To - Activate SmarterMail](#). Note: Activation of a license key requires the server to contact SmarterTools over port 443 (HTTPS). Please ensure that any firewall or internet security software you have installed allows an outgoing TCP port 443 request.

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## Upgrading SmarterMail

Because the SmarterMail 6.x download contains all of the installation files needed for any licensing level or edition, upgrading editions or levels is relatively easy. With a valid license key, companies can easily upgrade to the professional or enterprise editions or increase the number of mailboxes

available in SmarterMail. For more information, see the [Activating SmarterMail](#) section of the online help. For step-by-step instructions, please refer to the KB article [How To - Upgrade SmarterMail Levels and Editions](#) .

The steps for upgrading to SmarterMail 6.x from an older version of the application vary depending on which version you are currently using. For more information, please refer to the KB article [How To - Upgrade SmarterMail](#) .

## SmarterMail Add-ons

SmarterTools' add-on licensing system allows users to enhance the functionality of SmarterTools products. The following add-ons are available for SmarterMail 7.x:

- Microsoft Exchange ActiveSync
- Commtouch Premium Antispam
- Commtouch Zero-hour Antivirus

### Microsoft Exchange ActiveSync

Microsoft Exchange ActiveSync is a data synchronization protocol that enables over-the-air access to email, calendars, tasks, and notes from most mobile devices, including Blackberry, iPhone, Palm Pre, and Windows Mobile devices. In addition, Exchange ActiveSync enables SmarterMail users to have access their email, calendars, tasks, and notes while working offline.

For step-by-step instructions on how to activate and enable the Exchange ActiveSync add-on, please refer to the KB articles [How To - Activate Microsoft Exchange ActiveSync](#) and [How To - Configure Microsoft Exchange ActiveSync for Email Accounts](#) .

### Commtouch Premium Antispam

The Commtouch Premium Antispam add-on uses Recurrent Pattern Detection (RPD) technology to protect against spam outbreaks in real time as messages are mass-distributed over the Internet. Rather than evaluating the content of messages, the Commtouch Detection Center analyzes large volumes of Internet traffic in real time, recognizing and protecting against new spam outbreaks the moment they emerge.

For step-by-step instructions on how to activate and enable the Commtouch add-on, please refer to the KB articles [How To - Activate Commtouch Premium Antispam](#) and [How To - Enable Commtouch Premium Antispam](#) .

## **Commtouch Zero-hour Antivirus**

The Commtouch Zero-hour Antivirus add-on identifies viruses based on their unique distribution patterns and provides a complementary shield to conventional AV technology, protecting in the earliest moments of malware outbreaks and continuing protection as each new variant emerges.

For step-by-step instructions on how to activate and enable the Commtouch add-on, please refer to the KB articles [How To - Activate Commtouch Zero-hour Antivirus](#) and [How To - Enable Commtouch Zero-hour Antivirus](#).

## **SmarterMail Deployment Guides**

SmarterTools provides three different deployment guides to help companies develop an effective architecture for their SmarterMail implementation based on their size.

### **Individuals and Micro-businesses**

Individuals and micro-businesses shall be defined as mail environments with average email volumes of up to 25,000 messages per day (12,500 in/12,500 out). This infers a maximum of 100 employees/users. Information regarding these architectures is available in the SmarterMail in Individual and Micro-business Deployments document.

### **Small to Medium-sized Businesses**

Small to medium-sized businesses shall be defined as mail environments with average email volumes of up to 400,000 messages per day (200,000 in/200,000 out). This infers a maximum of 1,600 employees/users. Information regarding these architectures can be found in the SmarterMail in Small to Medium-sized Business Deployments document.

### **High-volume Deployments**

High-volume deployments shall include ISPs, hosting companies, large businesses, and enterprise organizations with average email volumes numbering in the millions. This infers organizations with many thousands of employees/users. Information regarding these architectures can be found in the SmarterMail in High Volume Deployments document.

## **Automation with Web Services**

SmarterMail was designed to support custom configuration and automation. System administrators have the ability to access the SmarterMail application via exposed Web services, allowing for the automation of a variety of different tasks, including:

- Adding domains to SmarterMail
- Grabbing domain-specific bandwidth usage for billing purposes
- Setting details for a specific domain or server
- Updating domain information
- Testing servers recently added to the Web interface
- And more...

To view the Web services and the corresponding functions available to you, go to your default Web interface install location and append "services/SERVICENAME.asmx". With the default installation, you would use `http://127.0.0.1:9998/Services/svcServerAdmin.asmx`.

For more information, including a brief explanation of the available Web services, download the *Automation with Web Services* document.