



**BITDEFENDER  
ENTERPRISE  
MANAGER v2.5**

**QUICK  
START**

## What is BitDefender Enterprise Manager?

BitDefender Enterprise Manager (BDEM) is the antivirus solutions integrator from BitDefender.

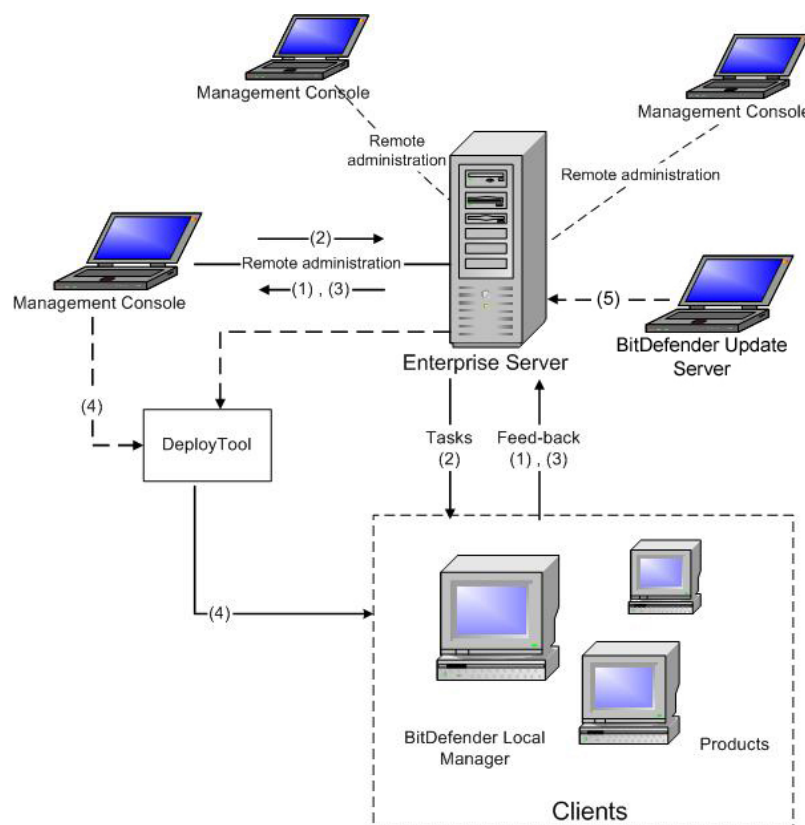
BitDefender Enterprise Manager is a scalable, superior solution for centralized management of antivirus protection in complex networks. It combines the advantages of defining and controlling network antivirus policies with advanced technologies of data filtering in order to cover a company's security needs.

Real time reporting of network attacks and the ability to evaluate them in a centralized manner allows for a fast, efficient response.

BitDefender Enterprise Manager considerably reduces administration costs for complex networks.

## Architecture

In order to understand how BDEM works let's take a quick look at its main components.



### BitDefender Server

It is the most important part of the product. Its purpose is to manage the information received from the workstations, assign and maintain different security tasks such as:

- install /uninstall of the anti-virus product
- anti-virus scanning;

- scheduled scanning;
- virus definitions database update;
- remote changing of security options of BitDefender products installed on workstations;
- detailed reports and statistics generation.

### **BitDefender Local Manager**

This component has to be installed on all the workstations that will be managed **BDEM** . The Local Manager assures the communication between the **BitDefender Server** and the applications installed on the workstations.

### **BitDefender Enterprise Management Console**

This is the graphic user interface (GUI) that allows the interaction between the user and **BitDefender Server**.

### **BitDefender Deployment Tool**

It allows the remote installation of the **BitDefender Local Manager** on multiple stations. This process is completely automated on systems running Windows NT, 2000, or XP.

### **BitDefender Update Server**

Provides fast, centralized updating of the BitDefender products across the network. There is no need for all the stations to be connected to the Internet and also the traffic is significantly reduced.

**NOTE:** For system requirements please see the `Readme` file.

## **Supported clients**

The following products are supported by BitDefender EM 2.5:

### **Workstation Clients:**

- BitDefender Client Standard v8.0
- BitDefender Client Professional Plus v8.0
- BitDefender Standard Edition v7.2
- BitDefender Professional Edition v7.2
  
- BitDefender Enterprise WMI (Server Add On) v1.1

### **Server Products:**

- BitDefender v1.6+ for Mail Servers- Win SMTP (Antivirus + Antispam)
- BitDefender v1.6+ for File Server
- BitDefender v1.6+ for MS ISA
- BitDefender v1.6+ for Exchange 5.5 (Antivirus)
- BitDefender v1.6+ for Exchange 2000 (Antivirus + Antispam)
- BitDefender v1.9+ for Exchange 2003 (Antivirus + Antispam)

## **How to install the BitDefender Enterprise Manager 2 server**

The BitDefender server does not require to be installed on a dedicated server machine. Any computer running Windows 2000/XP could become the server for BitDefender Enterprise Manager 2.5. For further references, we'll call this system the **BD server machine**.

It is recommended to run the full **BitDefender Enterprise Manager** installation on the **BD Server machine** (during the installation process choose the type of installation: **Complete**). If prompted, please restart the **system** to complete the installation.

Once the BitDefender Enterprise Manager is installed you may proceed to install the server add-ons. The server add-ons will install additional tasks on the server. These tasks are specific to each product, and they are grouped accordingly in the BitDefender Management Console.

At the moment there are three Server Add-ons available:

1. BitDefender Client Professional Plus v8 (Server Add-on)
2. BitDefender Client Standard v8 (Server Add-on)
3. BitDefender WMI Scripts v1.1 Server Add-on

In order to manage the BitDefender products for servers you'll have to import the specific tasks from the stations where they are installed.

**NOTE:** If you want to manage the BitDefender clients from a station different from **BD server machine**, you can install only the **BitDefender Management Console** and the **Deployment Tool** components. For that, run the **BitDefender Enterprise Manager** and choose the **Custom** installation.

## How to configure the BitDefender Update Server

There are several ways to update the BitDefender products:

- from the Internet (the default BitDefender update server is: <http://upgrade.bitdefender.com>)
- from a mirror location (local mirror web server).

The following section presents the steps to create a local update site for centralized update. The BitDefender Update Server now includes an HTTP Server to make the updates easily available to all the computers inside a network.

1. Open the BitDefender Update Server: click Start > Programs > BitDefender Enterprise Manager > BitDefender Update Server.
2. Click "Change Settings" to launch the configuration wizard.
3. On Step 3 check the option "Use BitDefender HTTP Server" and choose a port.
4. Complete the rest of the wizard.
5. Update the clients: From the BitDefender Management Console create a scheduled update task for the Enterprise Manager clients. In the wizard enter the http address of the Update Server:
  - "http://computer\_name" if you selected the port 80 on Step 3;
  - "http://computer\_name:port" if you selected a different port.

## How to create BitDefender clients (DEPLOYMENT)

In order to manage the antivirus protection on your network, first of all you will need to create the BitDefender clients: this operation is called **Deployment** and will install the BitDefender Local Manager on the workstations.

Depending on the installation method, there are two types of deployment:

- *Automatically Install / Uninstall / Repair a product* – only works on systems running Windows NT/2000/XP;
- *Create an unattended installation package* for later use - to create a deployment package on your computer that you can write on a CD, share, send by e-mail or install it on workstations using a logon script.

### Logon script procedure

You can deploy the BitDefender Local Manager on the desired computers using a logon script.

- If the client operating system (OS) is Windows 98, or Windows ME, the Logon script must be a batch file (with extension .bat) or executable program (with extension .exe).
- If the client OS is Windows NT, the Logon script can be a batch, command, or executable file (with extension .bat, .cmd, or \*.exe).
- If the client is Windows 2000 or above, the Logon script can be a batch file, a command file, executable program (with extension \*.bat, \*.cmd, \*.exe), or a program written in a language hosted by Windows Script Host (WSH). Examples of WSH supported languages are VBScript (with extension \*.vbs) and JScript (with extension \*.js). The type of Logon script you use should support all clients you expect the user to Logon to.

Two sample logon scripts are available in the Enterprise package: logon.bat and bdeploy.vbs. They were created considering the above operating system requirements limitations. You will have to edit bdeploy.vbs and replace the sample information (\\SampleServer\SampleSharedFolder\deploypack.exe) with the one that suites your network configuration.

More information about how to create a group policy is available at:

[www.microsoft.com/resources/documentation](http://www.microsoft.com/resources/documentation)

## Running BitDefender Enterprise tasks

All the tasks available at a moment are displayed in the Tasks Template window. The task list is also displayed in the menu that pops up when you right-click a client.

You can add more tasks by installing BitDefender Server Add-ons or by importing them from BitDefender client.

Bellow you can find a list with all the BitDefender tasks available at the moment.

### General tasks

The following tasks are available in the console and can be executed on any client (a station with BDLM installed)

- List installed BitDefender products
- Send a message to clients

### BitDefender Client Professional Plus and Standard tasks

- Configure Client
- Get Client status
- Register BitDefender products
- Scan system for viruses
- Update Client
- Install BitDefender Client Professional Plus v8 / Standard v8
- Install BitDefender Client Professional Plus v8 / Standard v8 (automatically restart target machines if needed)
- Uninstall BitDefender Client
- Uninstall BitDefender Client (automatically restart target machines if needed)
- Update product and/or virus definitions (version 7 only)
- Configure Virus Shield (version 7 only)

### BitDefender Server Protection tasks

These tasks are available only if you import them from a client machine which has that product installed.

Product	Common tasks	Specific tasks
BitDefender for File Servers	Get Antivirus Status (server)	Configure BitDefender for File Servers
BitDefender for Mail Servers (Win SMTP)		Configure BitDefender for Mail Servers (Win SMTP)
BitDefender for Exchange (5.5, 2000, 2003)		Configure BitDefender Exchange (5.5, 2000, 2003)
BitDefender for MS ISA		Configure BitDefender for MS ISA

### WMI Tasks

These tasks are available only by installing the BitDefender Enterprise WMI Server Add-On.

**NOTE:** Please see the file `Readme (WMI Server Add-On)` for more information about WMI and for compatibility with different Windows systems.

### COMPUTER MANAGEMENT

- Enumerate Computer Startup Programs
- Enumerate Computer Startup Information
- Enumerate Installed Software
- Enumerate Start Menu Items
- Remove Software
- Enumerate Installed Hot Fixes
- Enumerate WMI Settings
- Enumerate Motherboard Properties
- Enumerate Monitor Properties

- Enumerate Physical Memory Properties
- Enumerate Processor Information
- Enumerate Video Controller Properties
- Get the Latest Installed Service Pack
- Retrieve Operating System Properties
- Retrieve System Information

#### DISK AND FILE SYSTEMS

- Enumerate Available Disk Space
- Enumerate Logical Disk Drive Properties
- Enumerate Page File Properties

#### FILES AND FOLDERS

- Enumerate Network Shares

#### PROCESSES

- Terminate a Process
- Enumerate Computer Processes

#### USERS AND GROUPS

- Enumerate Computer Users

#### SERVICES

- Retrieve Service Status

#### OTHERS

- Checking Scripting Environment