

Deploying BitDefender Client Security and BitDefender Windows Server Solutions

Quick Install Guide



1. Installation Overview

Thank you for selecting BitDefender Business Solutions to protect your business. This document enables you to quickly get started with the installation of BitDefender Client Security version 3.1.9. For detailed instructions with screenshots, please refer to the BitDefender Client Security [Administrator's Guide](#). You can also find useful video tutorials in the Business section of our [Knowledge Base](#).

These are the main steps for deploying BitDefender Client Security and BitDefender's security solutions for Windows servers in your network:

1. From the Business section of the [BitDefender website](#), download the BitDefender Client Security installation file on the Windows computer designated as the Management Server (either the 32-bit or the 64-bit version, depending on the computer platform).
2. Use the BitDefender Client Security installation kit to install BitDefender Management Server on the designated Windows computer. BitDefender Management Server provides a Centralized Management and Deployment environment for both Endpoint Protection (BitDefender Business Client) and Security for Windows Servers (BitDefender Security for File Servers, Security for Mail Servers, Security for Exchange and Security for SharePoint). Follow the instructions in [Chapter 2](#).

Very important! To install the support files for BitDefender's Windows server solutions, you must choose the **custom setup type** instead of the default one.

3. Open BitDefender Management Console from the Start menu and connect to the Management Server (default password is `admin`). Then, deploy remotely BitDefender's security solutions on your Windows workstations and servers (both 32-bit and 64-bit versions can be deployed). Follow the instructions in [Chapter 3](#).



Note

BitDefender's security solutions for Linux, FreeBSD and Solaris servers (BitDefender Security for Samba, Security for Mail Servers) can be included into the Centralized Management platform by installing a separate add-on. The add-on can be installed at any time after installing BitDefender Management Server, without disturbing its operation. Follow the instructions available [here](#).

2. How to Install BitDefender Management Server and Support for BitDefender Windows Server Solutions

Use these quick instructions to install BitDefender Management Server and add support for BitDefender's security solutions for Windows servers:

1. Run the installation file and follow the installation wizard. Please note that you need at least 3 GB of free space on the system partition, or otherwise the installation will likely fail.



Note

Don't worry about making mistakes: the wizard allows you to go back to the previous steps and change any selection or configuration you have made.

2. Click **Next**.
3. Select **I accept the terms in the License Agreement** and click **Next**.
4. Choose the **Setup type**.
 - **Default** - to install a predefined configuration of BitDefender Management Server. Do not choose this option if you are planning to deploy a multi-server configuration or if you want to remotely deploy and manage BitDefender Windows Server solutions using BitDefender Management Server.
 - **Custom** - to configure the installation settings yourself. Choose this option if you want to:
 - install BitDefender Management Server together with the add-on that provides support for remote deployment and management of the BitDefender security solutions for Windows servers.
 - install BitDefender Management Server as a master or as a slave server in order to deploy a multi-server configuration.
 - use an existing database to manage the data needed by BitDefender Management Server. Supported databases: Microsoft SQL Server 2005 / SQL Server 2005 Express Edition / Microsoft SQL Server 2008.
 - configure specific communication ports for the BitDefender Management Server components.
 - install only the management console on your administrative PC or laptop. In this way, you can remotely access BitDefender Management Server.
 - install BitDefender Update Server separately, on a dedicated computer.
5. *Custom installation!* Choose the **Components** to be installed. If you want to install the support files for BitDefender's Windows server solutions, click the icon corresponding to **BitDefender Security for Windows Servers (Server Add-On)** and choose to install the component. Click **Next**.
6. *Custom installation!* Choose the **Server Type**. If you are not using a multi-server configuration (typical installations), choose **Single** and click **Next**.

7. *Custom installation!* Specify the **Communication ports** (it's advisable to use the default if possible). Click **Next**.
8. *Custom installation!* Specify the **BitDefender Update Server port** (it's advisable to use the default if possible). Click **Next**.
9. *Custom installation!* Choose what database you want BitDefender Management Server to use to store and manage its necessary data (policies, WMI scripts, clients and groups, reports etc.).
 - If you already have a working database that you want to use for BitDefender Management Server too, choose **Use existing database**. Supported databases: Microsoft SQL Server 2005 / SQL Server 2005 Express Edition / Microsoft SQL Server 2008.
 - Otherwise, choose **Install SQL Server Express** to install Microsoft SQL Server 2005 Express Edition and set up the database on the local computer. Click **Next**.
10. *Custom installation!* Depending on your previous choice, proceed as follows:
 - If you have chosen the **Install SQL Server Express** option, you can continue with the installation. Only if you want to, you can change the randomly generated password for the database.
 - If you have chosen the **Use existing database** option, you need to provide a set of credentials (username and password) for BitDefender Management Server to be able to connect to the database.Click **Next**.
11. Start the installation by clicking the **Install** button and wait until it is completed.
12. Keep a record of the communication ports displayed in this last window. Reserve these ports only for BitDefender Management Server and make sure they are not used by other applications. If you have a firewall enabled on the local computer, configure it to allow these ports.
13. Click **Finish**.
14. *Optional!* If you have **BitDefender security solutions for Unix-based servers** installed in your network, or if you are planning to install such solutions, and you want to be able to manage them using BitDefender Management Server, you must install the Unix server add-on. Please note that you must use the same version of the installation file as for your Management Server (either 32-bit or 64-bit). To install the add-on, run the installation file and follow the prompts.
15. Open BitDefender Management Console from the Start menu and connect to the Management Server using the default credentials:
 - Username: administrator
 - Password: admin

3. How to Deploy the BitDefender Security Solutions (for Endpoint Protection and Server Protection)

After installing BitDefender Management Server, you can deploy BitDefender's security solutions for Windows workstations and servers by following these main steps:

1. *Very important!* Make sure the general deployment conditions are met, or otherwise installation will likely fail.
2. Deploy BitDefender Management Agent on the Windows workstations and servers that you want to manage.
3. Deploy BitDefender Business Client on the managed workstations. Deploy the BitDefender server security solutions on the managed Windows servers, as needed.

3.1. General Deployment Conditions

First, you need to make sure these general deployment conditions are met:

1. Connect to the Management Server and configure your Credentials Manager (click the **Tools** menu and then **Credentials Manager**). For the network computers that are within an Active Directory domain, you will only have to provide the credentials of the domain administrator.
2. **Configuration required on the network computers.** Prepare the network computers for deployment as follows:
 - a. Make sure that the Firewall is disabled on all computers on which you want to deploy the BitDefender protection.
 - b. On each workstation that is part of a workgroup or is not in the same domain as the BitDefender Management Server computer, configure Windows NOT to use simple file sharing. (In Windows XP, go to Control Panel > Folder Options > View and clear the **Use simple file sharing** check box.)
3. Before you deploy BitDefender Business Client on the managed workstations, REMOVE any third-party security software installed on the managed workstations. Failing to do so may result in failure to deploy BitDefender Business Client and in system instability.

3.2. Deploying BitDefender Management Agent

Once you have ensured that the general deployment conditions are met, you can start deploying BitDefender Management Agent on the computers that you want to manage.

There are 3 methods for deploying BitDefender Management Agent, choose the one most suitable to you.

First Deployment Method: Computers Directory

The fastest way to deploy BitDefender Management Agent is from Computers Directory, the Unmanaged Computers group:

1. Right-click an unmanaged computer and choose the **Deploy on this computer** option. To deploy simultaneously on several computers, Ctrl-click to select them, right-click the selection and choose the **Deploy on these items** option.
2. Configure the deployment options. Make sure to enter the Management Server's name only if its IP address is dynamically assigned by DHCP; otherwise enter its IP address.
3. Click **Start Deployment**.
4. You can see the deployment status in the **Deployment Status** field (this is where you can also see the error for the deployments that fail). Once the deployment is finished (normally, in a few minutes), the computer will be moved into the **Managed Computers > Not Grouped** group.

Second Deployment Method: Network Builder

For non-Active Directory situations, proceed as follows:

1. Click the **Tools** menu and choose **Network Builder**.
2. Click **Detected Network Computers**.
3. If you notice that some network computers are not being displayed, use the link at the bottom to **ping a range of IP addresses** to find the missing computers.
4. Create groups of managed computers so that you can better organize them and enforce group security policies. Within the **Computers Directory** list, right-click **Managed Computers** and click **Create New Group** (for example, Servers, Desktops, Sales).
5. Drag and drop the computers to be managed by BitDefender Management Server into the appropriate groups. Do not place servers and workstations into the same group.
6. Click **Apply changes**.

7. Configure the deployment options. Make sure to enter the Management Server's name only if its IP address is dynamically assigned by DHCP; otherwise enter its IP address.
8. Click **Start Deployment**.
9. You should wait until all deployments are finished (the **Job Finished** deployment status message will appear).



Note

You can check the deployment status and history at any time by clicking the **Tools** menu and selecting **View Deployment Status**.

10. Click **Dismiss Page**.
11. The groups will now appear within **Computers Directory > Managed Computers** in the left pane (tree menu). Select a group to view the managed computers from that group (they will be displayed in the right pane).

For Active Directory situations, proceed as follows:

1. Click the **Tools** menu and choose **Network Builder**.
2. Select **Active Directory Computers**.
3. Drag and drop the Active Directory structure directly in the **Managed Computers** group.
4. Click **Apply changes**.
5. Configure the deployment options. Make sure to enter the Management Server's name only if its IP address is dynamically assigned by DHCP; otherwise enter its IP address.
6. Click **Start Deployment**.
7. You should wait until all deployments are finished (the **Job Finished** deployment status message will appear).



Note

You can check the deployment status and history at any time by clicking the **Tools** menu and selecting **View Deployment Status**.

8. Click **Dismiss Page**.
9. The groups will now appear within **Computers Directory > Managed Computers** in the left pane (tree menu). Select a group to view the managed computers from that group (they will be displayed in the right pane).

Third Deployment Method: Deployment Tool

1. Click the **Tools** menu and choose **Deployment Tool**.
2. Click **Next**.
3. Choose the option to automatically install a product. (Click **Next**.)



Note

If the automatic installation fails on some computers, choose the other option to create an unattended installation package that you can use to manually install the product on those computers.

4. Select the product you want to install; in this case, select the **BitDefender Management Agent** component. (Click **Next**.)
5. Choose the **Install** option. (Click **Next**.)
6. Enter the following information:
 - **BitDefender Management Server Name or IP** - type the server name if the IP address is dynamically assigned by DHCP, or otherwise the IP address.
 - **BitDefender Management Agent Port** - type the port specified during the Management Server installation - 7072 if you didn't change the default options.(Click **Next**.)
7. Select the **Use non interactive Authentication** check box and then enter the computer / network credentials (otherwise, the Deployment Tool will prompt you to enter them, for each target computer, immediately after you start the deployment). It is recommended to leave the other settings as they are. (Click **Next**.)
8. Select the computers on which you want to deploy BitDefender Management Agent. (Click **Next**.)
9. Click **Start** to start the deployment process.
10. Wait until all deployments are finished.
11. Click **Finish** to close the window.

3.3. Deploying BitDefender Products

Using BitDefender Management Server, you can remotely deploy and manage the following BitDefender security solutions:

- Products available by default in BitDefender Management Server:
 - BitDefender Business Client
- Products available by installing the add-on for Windows server solutions, which is included in the BitDefender Client Security installation kit:
 - BitDefender Security for File Servers (Windows)
 - BitDefender Security for Mail Servers (Windows SMTP)
 - BitDefender Security for Exchange (2010, 2007, 2003, 2000)
 - BitDefender Security for SharePoint (2007)



Note

Additionally, by installing the separate Unix server add-on, you can remotely manage (but not deploy) the following BitDefender security solutions for Unix-based servers:

- BitDefender Security for Mail Servers (Linux, FreeBSD, Solaris)
- BitDefender Security for Samba (Linux, FreeBSD, Solaris)

The easiest and recommended method to deploy BitDefender products from BitDefender Management Console is to apply a specific policy to a computer with BitDefender Management Agent installed (a managed computer).

To create and assign a policy to one or more computers, follow these steps:

1. Choose one of these methods:
 - Go to **Policies > Create New Policy**. You will first create and configure a policy and then you will select the computers / groups to which the policy will apply.
 - Go to **Computers Directory > Managed Computers**, right-click a managed computer in the right pane or a group in the tree menu and choose the **Assign Policy** option. The policy you will create will be assigned to the selected computer / group only.
2. Choose the **Policy Template Category** (policy templates are grouped by product).
3. Double-click a policy template to create and assign a new policy.
4. Configure the settings.
5. Click **Finish**.
6. If you have created the policy from the **Create New Policy** section, specify the target computers using one of these options:
 - Select **Network computer** and choose the target computers or groups from Computers Directory.

- Select **Network users and groups** and choose the target users or groups of users from Active Directory. The policy will be applied on the computers the target users are logged on.
 - Select **Local users** to apply the policy to local system users. The policy will be applied on all computers that meet both of these criteria: (1) the specified user account is a local user account on the computer and (2) a user is logged on to that account when the policy is received.
7. Configure a schedule according to which the policy should run.



Note

Choosing a regular schedule will have no impact on network performance as the schedule is sent along with the policy to the client machine, and as such is performed locally without Management Server intervention.

8. Click the **Click here to assign this policy** link.
9. For additional policies repeat from Step 1 with the desired policy template.