



BlackBerry Enterprise Server for Microsoft Exchange

Version 4.1.3

Installation Overview

Installation overview

Determine hardware requirements
Verify system requirements
Set up a Microsoft Windows service account and mailbox
Preparing to install the BlackBerry Enterprise Server
Related resources

Complete the following tasks to install the BlackBerry® Enterprise Server:

1. determine hardware requirements
2. verify system requirements
3. set up and assign permissions to a Microsoft® Windows® service account and mailbox
4. install the BlackBerry Enterprise Server

Determine hardware requirements

Number of users	Minimum required hardware and configuration
500	<ul style="list-style-type: none">• Intel® Pentium® IV processor (2 GHz or greater)• 1.5 GB RAM available
1000	<ul style="list-style-type: none">• Intel Pentium IV dual processor (2 GHz or greater)• 2 GB RAM available
2000	<ul style="list-style-type: none">• Intel Pentium IV dual processor (2.8 GHz or greater)• 4 GB RAM available



Note: If your organization plans to add more than 1000 users to the BlackBerry Enterprise Server, you must install Microsoft SQL Server™ on a separate computer. This reduces the memory requirement on the BlackBerry Enterprise Server.

Verify system requirements

Operating system

Considerations

Install one of the following operating systems on the computer on which you plan to install the BlackBerry Enterprise Server:

- Microsoft Windows 2000 Server® or Microsoft Windows 2000 Advanced Server with Service Pack (SP) 4
- Microsoft Windows Server 2003

Verify that Microsoft Data Access Components (MDAC) Version 2.8 SP1 or later is installed on the computer on which you plan to install the BlackBerry Enterprise Server.

For more information about how to verify your MDAC version, visit <http://support.microsoft.com/kb/301202>.

Network

Considerations

- Verify that the BlackBerry Enterprise Server is not installed in a perimeter network (demilitarized zone). For more information, visit www.blackberry.com/knowledgecenterpublic to read article TAE-00038.
- Verify that you have configured the corporate firewall or proxy to permit the BlackBerry Enterprise Server to initiate and maintain an outbound connection to the BlackBerry® Infrastructure on TCP port 3101.
- Verify that the corporate firewall can resolve Internet addresses using the Domain Name System.
- Verify that the proxy server is transparent if you use a proxying firewall.

Messaging and collaboration environment

Considerations

- Your messaging environment must be one of the following:
 - Microsoft® Exchange Version 5.5 native environment
 - Microsoft Exchange 2000 native environment
 - Microsoft Exchange 2003 native environment
 - mixed environment (any combination of Microsoft Exchange Version 5.5, Microsoft Exchange 2000, or Microsoft Exchange 2003)
- Install one of the following Microsoft Exchange administration tools on the computer on which you plan to install the BlackBerry Enterprise Server:
 - Microsoft Exchange Version 5.5 Administrator
 - Microsoft Exchange 2000 System Manager
 - Microsoft Exchange 2003 System Manager
- Install the BlackBerry Enterprise Server in the same Microsoft Exchange organization as your messaging server.
- Verify that Microsoft® Outlook® is not installed on the computer on which you plan to install the BlackBerry Enterprise Server.

Database

Considerations

- Install one of the following database applications on the computer on which you plan to install the BlackBerry Configuration Database:
 - Microsoft SQL Server 2000 Desktop Engine (MSDE 2000) Release A or later
 - Microsoft SQL Server 2000 SP3a
 - Microsoft SQL Server 2005 (Standard, Enterprise, or Express)
- Note:** You can install MSDE 2000 Release A when you install the BlackBerry Enterprise Server.
- If you plan to install MSDE 2000 during the BlackBerry Enterprise Server installation, remove any MSDE 2000 versions that are earlier than MSDE 2000 Release A from your computer. The version of MSDE 2000 (MSDE 2000 Release A) that is provided with the BlackBerry Enterprise Server does not support upgrades from previous versions of MSDE.
- If you use Microsoft SQL Server, make sure that you install it using the default case-insensitive collation setting.
- If you use Microsoft SQL Server, you must have System Administrator permission on the database server. If you create the BlackBerry Configuration Database on a remote database server, you must also have Database Creator permission.

Considerations

If the BlackBerry Configuration Database is located on a remote computer or you want to use a remote BlackBerry Manager, you must enable named pipes and TCP/IP network protocols.

Verify that MDAC Version 2.8 SP1 or later is installed on the computer on which you plan to install the BlackBerry Configuration Database.

For more information about verifying your MDAC version, visit <http://support.microsoft.com/kb/301202>.

Additional requirements

Considerations

If you run a Universal Serial Bus (USB) hub to activate BlackBerry devices while they are connected to the BlackBerry Manager, verify that the USB driver supports USB1.1-compliant hubs.

Set up a Microsoft Windows service account and mailbox

You must set up a Microsoft Windows service account and mailbox with the following attributes and permissions:

- Name: BESAdmin
- User location: Create a Microsoft Exchange mailbox
- Group membership: Domain user
- Permissions: Send As, Log on Locally with Local Permissions, Log On As a Service

Configure Microsoft Exchange permissions for the service account

You must configure the permissions on each computer where you plan to install the BlackBerry Enterprise Server components.

> Perform one of the following actions:

Action	Procedure
Set the permissions using Microsoft Exchange Version 5.5 Administrator.	> In both the Site and Configuration containers, set the Service Account Admin permission.
Set the permissions using Microsoft Exchange 2000 or Microsoft Exchange 2003 System Manager.	1. Set Exchange View Only Administrator permission with Administrative Groups as the minimum access level. 2. Set Send As, Receive As, and Administer Information Store permissions at the server level.

Preparing to install the BlackBerry Enterprise Server

To install the BlackBerry Enterprise Server, you must log in to your computer using the BESAdmin service account.

Before you install the BlackBerry Enterprise Server, make sure that you have the following installation credentials:

- client access license key
- SRP identifier
- SRP key

- SRP host (if provided by your vendor)

Make sure that you have the following information from your environment:

- name of the mailbox that you created for the BESAdmin service account
- computer name of your messaging server
- computer name and port number of the proxy server (if applicable)

Related resources

Guide	Information
<i>BlackBerry Enterprise Server Version 4.1 Feature and Technical Overview</i>	<ul style="list-style-type: none"> • BlackBerry Enterprise Server architecture and components
<i>BlackBerry Enterprise Server Version 4.1 Installation Guide</i>	<ul style="list-style-type: none"> • advanced installation options (for example, installation requirements for instant messaging and the BlackBerry® MDS Services) • setup types and how to install the BlackBerry Enterprise Server components on multiple computers • how to remove the BlackBerry Enterprise Server from your computer
<i>BlackBerry Enterprise Server Version 4.1 System Administration Guide</i>	<ul style="list-style-type: none"> • advanced BlackBerry Enterprise Server setup and administration tasks

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Last modified: 26 January 2007

Document ID: 11126593 Version 4

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