

SafeNet Authentication Service MobilePASS for BlackBerry Deployment Guide



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Document Information

Product Version	MobilePASS 8.2, 8.3 for BlackBerry 7.1 and previous versions, with BES 5.0 MobilePASS 8.4 for BlackBerry OS 10.2 or later, with BES 10/12
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SafeNet invites constructive comments on the contents of this document. These comments, together with your personal and/or company details, should be sent to the address or email below.

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Preface

Support Contacts

If you encounter a problem while installing, registering, or operating this product, please make sure that you have read the documentation. If you cannot resolve the issue, contact your supplier or SafeNet Customer Support. SafeNet Customer Support operates 24 hours a day, 7 days a week. Your level of access to this service is governed by the support plan arrangements made between SafeNet and your organization. Please consult this support plan for further information about your entitlements, including the hours when telephone support is available to you.

Table 1: Support Contacts

Contact Method	Contact Information	
Address	SafeNet, Inc. 4690 Millennium Drive Belcamp, Maryland 21017, USA	
Phone	US	1-800-545-6608
	International	1-410-931-7520
Technical Support Customer Portal	https://serviceportal.safenet-inc.com Existing customers with a Technical Support Customer Portal account can log in to manage incidents, get the latest software upgrades, and access the SafeNet Knowledge Base.	

CHAPTER 1

Deploying MobilePASS for BlackBerry OS 10.2 or Later

Applicability

The information in this chapter applies to:

- BlackBerry OS 10.2 or later
- BlackBerry Enterprise Server 10 or 12
- SafeNet MobilePASS 8.4 for BlackBerry and higher

Deployment Options

MobilePASS 8.4 for BlackBerry OS 10 is deployed on BlackBerry OS 10.2 or later devices via BlackBerry Enterprise Server (BES). Other deployment methods are not supported.

MobilePASS 8.4 for BlackBerry OS 10 is provided as a **.bar** file.

Deployment of MobilePASS for BlackBerry OS 10

To deploy MobilePASS for BlackBerry via BES:

1. Create a shared application folder and place the MobilePASS for BlackBerry application file (**.bar**) in the folder.
2. Add the location of the shared folder to BES (see page 9).
3. Add the MobilePASS application (**.bar** file) to be pushed to BlackBerry devices (see page 9).

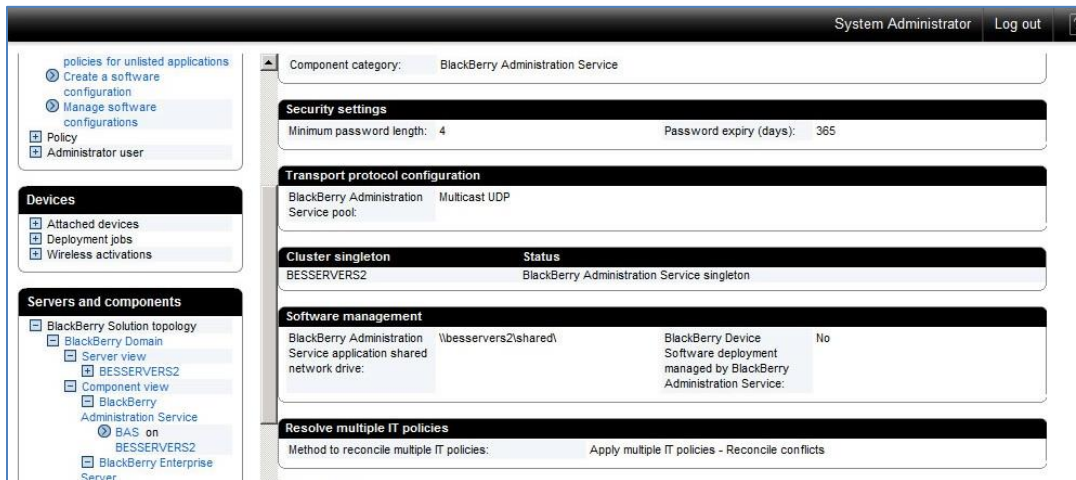
Creating a Shared Application Folder

Create a shared folder for the MobilePASS application on the local disk of the BES or on a network volume that the BES can access.

Adding the Location of the Shared Folder to BES

To add the location of the shared folder containing MobilePASS to BES:

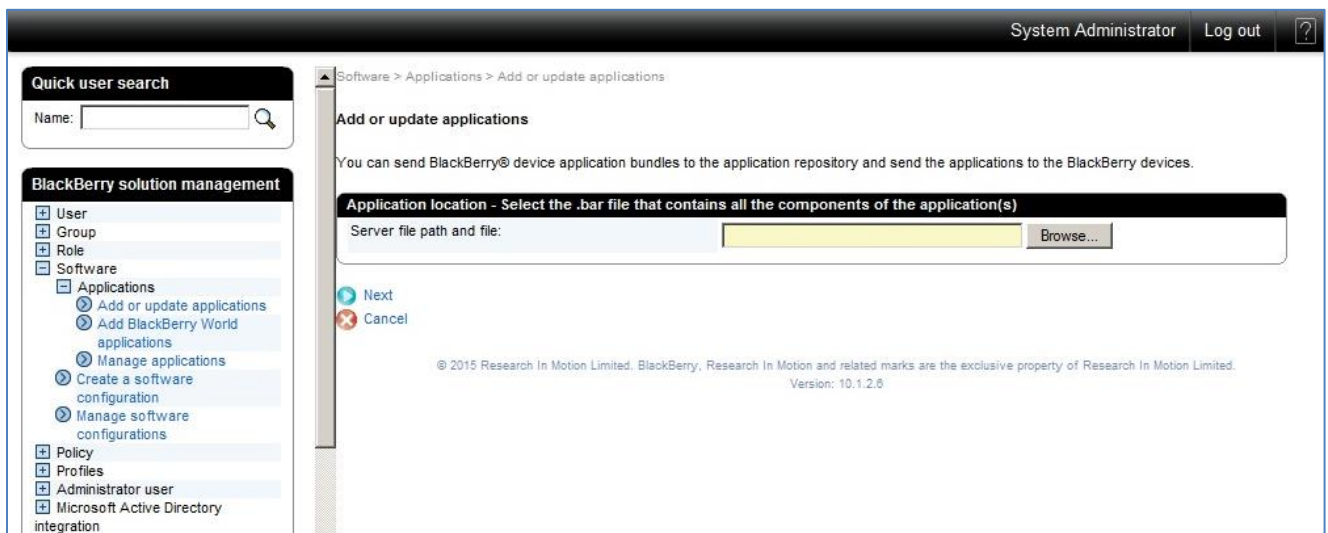
1. Log in to the BES Admin Console at: https://<server_name>:3443/webconsole/login/
2. Under **Servers and components**, click **BlackBerry Solution Topology > BlackBerry Domain > Component View > BlackBerry Administration Service**.
3. Scroll to the bottom of the page, click **Edit**, and then enter the location of the shared folder in the **Software management** section.



Adding the MobilePASS Application to BES

To add MobilePASS for BlackBerry OS 10 to BES:

1. Under **BlackBerry solution management**, click **Software > Applications > Add or update applications**.



2. Click **Browse** and navigate to the **.bar** file.
3. Click **Next**.

SafeNet MobilePASS is displayed in the list of published applications.

System Administrator Log out ?

Software > Applications > Add or update applications

Add or update applications

You can send BlackBerry® device application bundles to the application repository and send the applications to the BlackBerry devices.

The application(s) and application version(s) have been published.

Application name	Description	Type	Keywords	Location	
SafeNet MobilePASS	The MobilePASS application	Cascades		Internal	More...

[Manage applications](#)

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Version: 10.1.2.6

Quick user search
Name:

BlackBerry solution management

- User
- Group
- Role
- Software
 - Applications
 - Add or update applications
 - Add BlackBerry World applications
 - Manage applications
 - Create a software configuration
 - Manage software configurations
- Policy
- Profiles
- Administrator user
- Microsoft Active Directory integration

CHAPTER 2

Deploying MobilePASS for BlackBerry OS 7.1 and Earlier

Applicability

The information in this chapter applies to:

- SafeNet MobilePASS for BlackBerry 8.2/8.3
- BlackBerry Enterprise Server 5.0
- BlackBerry OS 7.1 and earlier

Deployment Options

MobilePASS for BlackBerry can be deployed to devices running BlackBerry OS versions 5.0 to 7.1 using one of the following methods:

- Deployment via BlackBerry Enterprise Server (BES) (see page 11)
- Installing MobilePASS on the BlackBerry Device from the SafeNet-hosted OTA Server (see page 18)
- Installing MobilePASS on the BlackBerry Device from a Web Server (see page 18)

Deployment via BlackBerry Enterprise Server (BES)

Pushing MobilePASS for BlackBerry in BES

To push MobilePASS for BlackBerry in BES:

1. Create a shared application folder (see page 12).
2. Add to BES the shared folder where MobilePASS for BlackBerry is located (see page 12).
3. Add the MobilePASS application to be pushed to BlackBerry devices (see page 13).
4. Create and manage an application control policy for unlisted applications – setting the application to be pushed (see page 15).
5. Set parameters for MobilePASS BES deployment (see “Parameters for MobilePASS for BlackBerry Deployment” on page 21).

Creating a Shared Application Folder

Create a shared folder for the MobilePASS application on the local disk of the BES or on a network volume that the BES can access.

Adding the Location of the Shared Folder Containing MobilePASS to BES

To add the shared folder containing MobilePASS to BES:

1. Log in to the BES Admin Console at: https://<server_name>:3443/webconsole/login/
2. Under **Servers and components**, click **BlackBerry Solution Topology > BlackBerry Domain > Component View > BlackBerry Administration Service**.

The screenshot displays the configuration interface for the BlackBerry Administration Service. The left sidebar shows a navigation tree under 'Servers and components' with 'BlackBerry Administration Service' selected. The main content area is divided into several sections:

- Component information:** Shows 'Component name: BlackBerry Administration Service' and 'Component description: BAS Component'.
- Security settings:** Includes 'Minimum password length: 4' and 'Password expiry (days): 365'.
- Transport protocol configuration:** Shows 'BlackBerry Administration Service pool: Multicast UDP'.
- Software management:** This section is highlighted. It shows 'BlackBerry Administration Service application shared network drive: \\BBR2\Shared' and 'BlackBerry Device Software deployment managed by BlackBerry Administration Service: Yes'.
- Resolve multiple IT policies:** Shows 'Method to reconcile multiple IT policies: Apply multiple IT policies - Reconcile conflicts'.
- License key:** A field for entering a license key.
- License summary:** A table showing license details:

License type:	Enterprise
Total number of BlackBerry Enterprise Server licenses:	6
Number of BlackBerry Enterprise Server licenses used:	4
Number of BlackBerry Enterprise Server licenses available:	2

At the bottom, there are 'Save all' and 'Cancel and return to view' buttons.

3. Scroll to the bottom of the page, click **Edit**, and then enter the application share location in the **Software management** section.

Adding the MobilePASS Application and Daemon to be Pushed to BlackBerry Devices



NOTE: The following procedure must be performed for the MobilePASS package (MobilePASS_BB.zip).

To add the MobilePASS application and daemon to be pushed to BlackBerry devices:

1. Under **BlackBerry solution management**, click **Software > Applications > Add or update applications**.

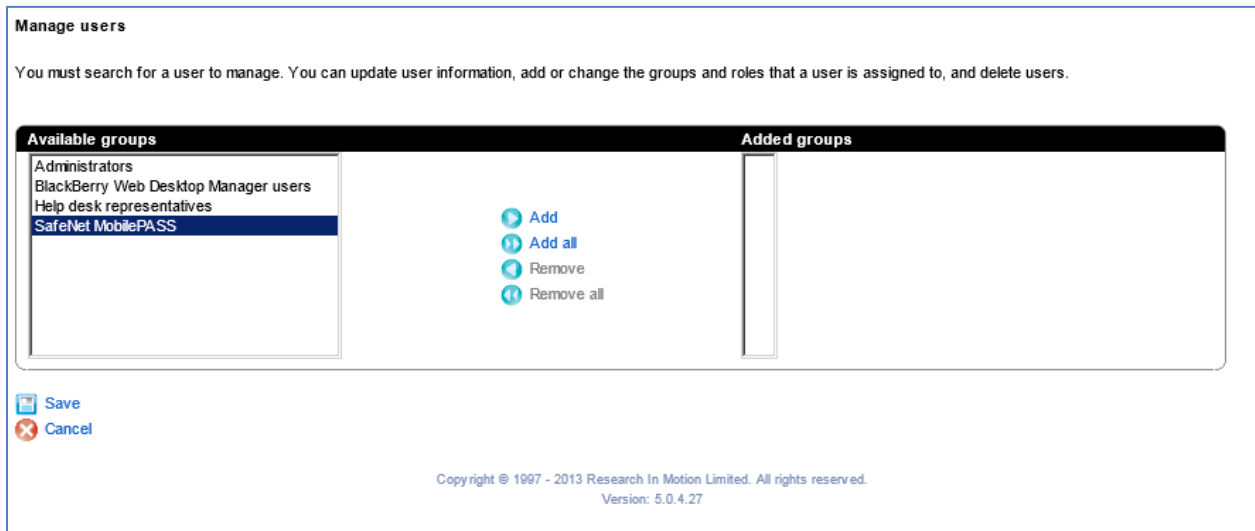
Application name	Description	Type	Application identifier	Vendor
MobilePASS	MobilePASS Software Token	Java	SafeNet.MobilePASS.PIN	SafeNet, Inc.

2. In the **Server file path and file** field, browse to the MobilePASS package .zip file.
3. Click **Publish Application**.
4. Click **Manage Applications** and confirm that the file has been added.

Application name	Description	Type	Application identifier	Keywords
MobilePASS	MobilePASS Software Token	Java	SafeNet.MobilePASS.PIN	Less...
Version	Language	Author	Keywords	Publication date
8.2.0.10				11/12/13 5:44:39 PM
8.3.1.19				11/13/13 10:59:53 AM
MobilePASSdaemon	MobilePASS Software daemon	Java	MobilePASSdaemon	Less...
Version	Language	Author	Keywords	Publication date
8.3.1.19				11/13/13 11:00:53 AM

5. Click **Create Software Configuration**, enter a name for the configuration, and then click **Save**.
6. Click **Manage Software Configurations**, and then click **Edit software configuration**.
7. Add the software configuration, and then select the application to publish.
8. Under **BlackBerry Administration Service**, on the **BlackBerry solution management** menu, expand **User**.
9. Click **Manage users**.
 - a. Search for the user accounts.
 - b. Select the user accounts.
 - c. In the **Add to user configuration** list, click **Add group**.

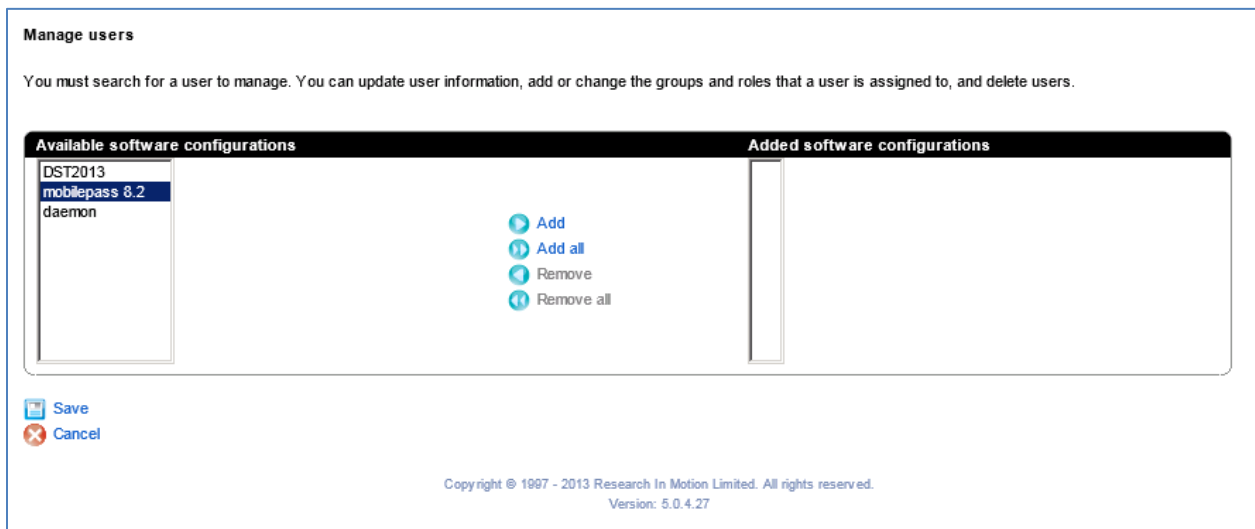
- d. In the **Available groups** list, click the group to which you want to add the user accounts.



- e. Click **Add > Save**.

10. Click **Back to Previous search results**.

11. Click **Add**.



12. Select the required configuration, click **Add** then click **Save**.

13. Click **Save all**.

Creating and Managing an Application Control Policy

To create and manage an application control policy for unlisted applications – setting the application to be pushed:

1. Under **BlackBerry solution management**, click **Software > Create an application control policies for unlisted applications**.

The screenshot shows the 'Software > Create an application control policy for unlisted applications' page. On the left is a navigation tree under 'BlackBerry solution management' with options like User, Group, Role, Software, and Policy. The main area has a 'Name' field containing 'SafeNet MobilePASS' and a 'Description' dropdown set to 'software token'. The 'Disposition' is set to 'Optional'. There are 'Save' and 'Cancel' buttons. A copyright notice at the bottom reads: 'Copyright © 1997 - 2013 Research In Motion Limited. All rights reserved. Version: 5.0.4.27'.

2. Under **Application control policy information**, enter a **Name** and **Description**, and then click **Save**.
3. Click **Manage application control policies for unlisted applications**.

The screenshot shows the 'Software > Manage application control policies for unlisted applications' page. It features two tables. The first table, 'Optional application control policy name', lists 'Standard Unlisted Optional', 'Policy Not Required', and 'SafeNet MobilePASS' with their respective descriptions. The second table, 'Disallowed application control policy name', lists 'Standard Unlisted Disallowed' with the description 'Locked down device'. There is a link to 'Set priority of application control policies for unlisted applications'. The same copyright notice is present at the bottom.

4. Click **Standard Unlisted Optional**. This will allow you to edit the access settings for the application.
5. Click the **Access settings** tab, and then click **Edit application control policy** (located at the bottom of the page).
6. Change **Are internal network connections allowed** and **Are external network connections allowed** options to **Allowed**, and then click **Save All**. This will allow the connection to the portal for registering MobilePASS.
7. Repeat steps 4 to 6 for **Policy Not Required** and the application control policy created for this deployment (SafeNet MobilePASS in this example).
8. Click **Save All**. This will allow the connection to the portal for registering MobilePASS.
9. Under **Create a Software configuration**, enter a name for the configuration, and then set **Disposition for unlisted applications** to **Optional**. Click **Save**.
10. Click the configuration name to edit, and then click the **Applications** tab.

- Click **Add applications to software configuration** to add the MobilePASS software to the configuration.

Software > Manage software configurations > View software configuration (mobilepass 8.2)

Manage software configurations

You can change information about the software configuration; identify applications that you want to make required, available, or unavailable to BlackBerry® devices; delete a software configuration; and more.

Configuration information Applications

Required application name	Description	Type	Application identifier	Version
MobilePASS	MobilePASS Software Token	Java	Safenet.MobilePASS.PIN	8.2.0.10
MobilePASS	MobilePASS Software Token	Java	Safenet.MobilePASS.PIN	8.3.1.19

Optional application name	Description	Type	Application identifier	Version
None Defined				

Disallowed application name	Description	Type	Application identifier	Version
None Defined				

Edit software configuration
View software configuration list

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Version: 5.0.4.27

The application has been added. It is now ready to be pushed to BlackBerry devices.

Setting Parameters for MobilePASS BES Deployment

- Under **BlackBerry solution management**, click **Policy > Create an IT policy**.

Policy > Create an IT policy

Create an IT policy

IT policy rules help you control BlackBerry® devices in your organization. You can create an IT policy to define BlackBerry device security and synchronize data over the wireless network. You can configure IT policies, assign IT policies to users or groups, and more.

IT policy information

Name: Description:

Save
Cancel

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Version: 5.0.4.27

- Enter a name and description for the policy, and then click **Save**.
- Click **Manage IT Policies**.
- Select the IT policy created above.

5. Click **Create an IT policy rule**.
 - a. Type a name and description for one of the following IT policy rules, as listed in “Parameters for MobilePASS for BlackBerry Deployment” on page 21:
 - EnforceSafeNetMobilePassPolicy
 - DisableSafeNetMobilePassPolicy
 - SafeNetMobilePassActivationMethod
 - SafeNetMobilePassActivationURL
 - SafeNetMobilePassModifyURL
 - SafeNetMobilePassActivationFailover
 - SafeNetMobileUrlFilter
 - b. In the **Type** list, select **string**.
 - c. In the **Destination** list, choose whether you want the BlackBerry device, the BlackBerry® Desktop Software, or both to be able to use the IT policy rule.
 - d. Click **Save**.
 - e. Repeat steps 5a to 5d for each of the rules as listed in “Parameters for MobilePASS for BlackBerry Deployment” on page 21.
6. Click **Manage IT policies**.
 - a. Select the required policy.
 - b. Select **Edit IT Policy**.
 - c. Select **User Defined**.

You can rename IT policies, view a list of users with specific IT policies, assign IT policies to users and groups, edit IT policies, delete IT policies, and more.

Rule	Value	Description
DisableSafeNetMobilePassPolicy	true	
EnforceSafeNetMobilePassPolicy	false	
SafeNetMobilePassActivationFailover	false	
SafeNetMobilePassActivationMethod	automatic	
SafeNetMobilePassActivationURL	https://sam_server/sammob	
SafeNetMobilePassModifyURL	true	
SafeNetMobileUrlFilter	sascloud.safenet-inc.com	

- d. Enter a value for each rule, if required. If the value field is left empty, the default value is applied. (See “Parameters for MobilePASS for BlackBerry Deployment” on page 21).
- e. Click **Save all**.

Installing MobilePASS on the BlackBerry Device from the SafeNet-hosted OTA Server

Note that if OTA installation is used, automatic enrollment will not work for PCE as the package needs to be customized as detailed in “Customizing MobilePASS to Enroll to a Custom SAS Installation” on page 20.

To install MobilePASS from the SafeNet-hosted OTP server:

1. From the BlackBerry device, browse to:
http://update.cis-app.com/SW/mpclients/bb/OTA_latest/MobilePASS_full.jad
2. The **Downloads** window appears with the MobilePASS application information. Select the option **Set Application Permissions** and then click **Download**.
3. The **Permissions** window appears. Set the following permissions:
 - **Connections:** Allow
 - **Interactions:** Allow
 - **User Data:** Allow
4. Click **Save**.
5. The application will download and install on the device. When the installation is finished, click **OK** to close the installer or **Run** to start using the application.

Installing MobilePASS on the BlackBerry Device from a Web Server

To install MobilePASS from your own web server:

1. From the BlackBerry device, browse to the URL location of the MobilePASS **.zip** file as provided by the administrator.
2. The download window appears with the MobilePASS application information. Select **Set Application Permissions** and then click **Download**.
3. The **Permissions** window appears.
 - a. Set the following permissions:
 - **Connections:** Allow
 - **Interactions:** Allow
 - **User Data:** Allow
 - b. Click **Save**.
4. The application will download and install on the device. When the installation is finished, click **OK** to close the installer or **Run** to start using the application.

Hosting MobilePASS for BlackBerry on a Web Server for Over-the-Air Deployment

The BlackBerry MobilePASS application can be hosted and deployed for OTA download by users from either the SafeNet-hosted server, or from your internally-hosted server. To host and deploy the application from your internally-hosted sever, the **.cod** and **.jad** files must be posted and available for users to download from the web server.

To host BlackBerry MobilePASS on your web server:

1. Browse to the MobilePASS application at: <http://www.safenet-inc.com/GetMP>
The zipped file contains the ready-to-deploy subdirectories, including one named **OTA**.
2. Copy the **OTA** subdirectory to an accessible location.
3. Set the required MIME type on the web browser:
 - For **.cod** files, set the MIME type to **application/vnd.rim.cod**.
 - For **.jad** files, set the MIME type to **text/vnd.sun.j2me.app.descriptor**.
4. Place the **.cod** and **.jad** files on your internally-hosted web server for your BlackBerry users to download.
5. Provide users with the URL for your internal web server and instructions on how to browse to the **.jad** file and download BlackBerry MobilePASS.

Customizing MobilePASS for BlackBerry

MobilePASS for BlackBerry will work out of the box. However, you can customize it according to your company's preferences.

To customize it, edit and append the following lines in the **MobilePASS_full.jad** file that was supplied with the package. You can use any text editor to edit the file.

- EnforceSafeNetMobilePassPolicy
- DisableSafeNetMobilePassPolicy
- SafeNetMobilePassActivationMethod
- SafeNetMobilePassActivationURL
- SafeNetMobilePassModifyURL
- SafeNetMobilePassActivationFailover



NOTE: The default and custom values are the same as in the BES configuration table described under “Parameters for MobilePASS for BlackBerry Deployment” on page 21.

Customizing MobilePASS to Enroll to a Custom SAS Installation

For SAS enrollment, the package, by default, points to SAS Cloud (<https://cloud.safenet-inc.com>). If you want to customize MobilePASS to point and enroll to a local SAS Private Cloud Enterprise (PCE) installation, edit the **MobilePASSdaemon.jad** file that came with the package and append the following line:

SafeNetMobileUriFilter: <IP address or URL of local SAS>



NOTE: For valid values, see “Parameters for MobilePASS for BlackBerry Deployment” on page 21.

It's important to customize and finalize your package before you let your users download and install MobilePASS. Otherwise, if you make changes after users have downloaded and installed MobilePASS, they will need to download and install the application again.

Parameters for MobilePASS for BlackBerry Deployment

Rule	Value Type	Value	Default Value	Description
EnforceSafeNetMobilePassPolicy	String	True/False	True	If False , MobilePASS ignores all other settings below and will use the default settings.
DisableSafeNetMobilePassPolicy	String	True/False	False	If False , MobilePASS always use Policy Level1, and the user cannot define other policies. There is no automatic enrollment on Level 1. The application will always go through manual enrollment.
SafeNetMobilePassActivationMethod	String	Automatic/ Manual/ Prompt	Prompt	Prompt = Manual, Automatic, or Cancel Automatic = Automatic Manual = Manual
SafeNetMobilePassActivationURL	URL String	https://<IP SAM>/sammobile/enroll Example: https://10.6.2.235/sammobile/enroll	None	For SAM only.
SafeNetMobilePassModifyURL	String	True/false	True	For SAM only. If "ActivationURL" is not empty, & value is TRUE, the SAM URL will be displayed and the user can edit it.
SafeNetMobilePassActivationFailover	String	True/false	True	If set to True and automatic enrollment fails, it will prompt for Automatic , Manual , or Cancel , and will let the user restart the enrollment with whatever the user chooses from the prompt. If set to False , the application will still failover but will prompt only for Automatic or Cancel . Manual enrollment will not be an option.

Rule	Value Type	Value	Default Value	Description
SafeNetMobileUrlFilter	URL String	<SAS IP or URL without http://> Example: 10.6.2.234 Or localsas.mycompany.com	se.safenet- inc.com	For SAS only. IP address or URL of the SAS server without http://