



## **Top BlackBerry Enterprise Server (BES) Adjustments For Running Freeance Mobile Software.**

1. For users performing installation of the Freeance Mobile applications using the BlackBerry Desktop Manager, permission to use this installation method will be necessary.
2. Installation of the Freeance Mobile applications can be pushed out to the BlackBerry devices through a BES.
3. The Freeance Mobile applications will require the necessary BlackBerry MDS data transport service books to be sent to the BlackBerry devices.
4. The Freeance Mobile MapViewer application will require HTTP connectivity to the Freeance Server, and the ArcIMS / ArcGIS Servers.
5. The Freeance Mobile GPS Collector and Search applications will require HTTP connectivity to the Freeance Server only.
6. For the Freeance MapViewer Mobile application, some graphic intensive map images may be larger than the BES default permitted HTTP transfer size. It is recommended that the BES' Flow Control -> Maximum KB/Connection setting be increased from the 128KB default to a higher file size, such as 1024KB.
7. In situations where connections from the BlackBerry device to the back-end server report timeout issues, the BES' HTTP Connection Timeout setting can be increased.
8. For the Freeance Mobile GPS Collector and MapViewer applications, use of an external Bluetooth GPS device will be required for BlackBerry's without built in GPS. The BES needs to be set so that the BlackBerry smartphones have permission to use a Bluetooth connection.
9. If using GPS functionality with the Freeance Mobile GPS Collector or MapViewer applications, via either the integrated GPS chipset or through an alternate GPS Source, permission to use the JSR179 Location/GPS API is required.
10. Permission for all three Freeance Mobile applications must be set to allow for the BlackBerry Persistent Store system. The Freeance Mobile applications are MapViewer, Search and GPS Collector.



## 10 Things To Know About the BlackBerry Enterprise Server (BES) and Freeance Mobile

1. An installation of the BlackBerry Enterprise Server's MDS data transport system on your intranet allows your BlackBerry smartphones to access all of the internal resources they need without the usual networking and security complications.
2. The Freeance Mobile applications on your BlackBerry smartphones will always provide you with the best experience using the fastest network that's available: Cellular, WiFi, or even a local Bluetooth or USB connection
3. Deployments of the Freeance Mobile software can be simplified by making use of the an application push feature of the BES to wirelessly install the applications to your users' BlackBerry smartphones.
4. Integrating Freeance Mobile into your existing network security is straightforward since only two connection paths are required - HTTP access to the Freeance Mobile Server and HTTP access to your ESRI ArcGIS Server or ArcIMS server for the Freeance Mobile MapViewer application.
5. You can manage your Freeance Mobile deployments from your BlackBerry Enterprise Server with Freeance Mobile IT Policies that assign configuration settings for your user groups.
6. Freeance Mobile applications only request the IT Policy permissions that are necessary: networking, GPS (when desired), and Bluetooth (when using an external GPS receiver).
7. The BlackBerry Enterprise Server and the Freeance Mobile Server work together to optimize the transfer size of information being sent, improving the energy life of the BlackBerry smartphone being used.
8. Freeance Mobile is compatible with BlackBerry Enterprise Server v4.1-5.0 for Microsoft Exchange, BlackBerry Enterprise Server v4.1-5.0 for IBM Lotus Domino, BlackBerry Enterprise Server v4.1 for Novel Groupwise, and BlackBerry Enterprise Server v4.1 for MDS Applications.
9. The Freeance Mobile MapViewer application can receive maps generated by ESRI's ArcGIS Server or ArcIMS software that provide higher resolution by adjusting the Maximum KB/Connection HTTP transfer size setting in the BlackBerry Enterprise Server from the default 128KB to a higher size, such as 1024KB.
10. In environments where a cellular network may introduce data connection timeout issues, the BlackBerry Enterprise Server's HTTP Connection Timeout setting can be increased to keep users connected.

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