File Exchange Interface Installation Guide Version 5.1.4, VICAR 32





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1. Client Platforms Supported

FEI client and server are developed with pure Java™ 2 technology¹ in order to maximize its portability among popular operating systems. The current distribution is developed using Secure Socket Layer (SSL) for communication and the latest standard XML technology² as the standard service configuration utility.

Required Java™ Runtime: Java™ 2 Runtime Environment, Standard Edition v1.4.1 or higher

Current Client OS Supported:

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OS	Version	
Sun Solaris	8	
RedHat Linux	7.1	
Mac OS X	10.2.x	
Windows	NT, 2000, XP	

2. FEI5 Client Distribution

FEI5 is delivered with the standard VICAR distribution, and can be configured using the standard VICAR startup scripts. We also distribute FEI5 as standalone archive bundle and this is the theme of this section. The goal of this the standalone distribution is to assist our external users to quickly utilize the FEI5 service with minimum configuration overhead. The standalone distribution unpacks into a directory with the following hierarchy.

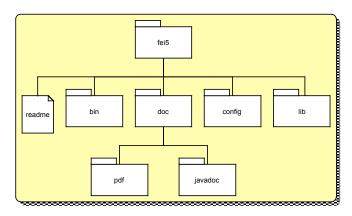


Figure 1 The FEI5 standalone distribution structure

Directory/File	Description	
fei5	The root directory.	
fei5/readme	A text file containing version and contact information.	
fei5/bin	Contains client application executables.	
fei5/doc	Contains documentations related to the client distribution.	
fei5/doc/pdf	Contains PDF formatted client documentations such as this	
	document.	
fei5/doc/javadoc	Contains the complete Java Doc for the FEI5 APIs.	

¹ Java™ 2 technology website http://java.sun.com

² XML specification website http://www.w3c.org

fei5/config	Contains the FEI5 domain file and the required SSL	
	certificate, and any other optional configuration files.	
fei5/lib	Contains all required JAR files for the client applications.	

3. Unix Installation

This section discusses installation instructions specific to the Unix environments. The instructions in this section cover Sun Solaris, RedHat Linux, and Mac OS X operating systems.

Distribution archive file: mdms-fei5.tar.gz

Required environment variables:

Variable	Description	Default
FEI5	The location of the FEI domain file	none
JAVA_HOME	The location of the local Java 2 Standard Edition location	/usr/java
CLASSPATH	The location of all FEI libraries	\$FEI5//lib/*.jar

Sample installation instructions (for tcsh) to install FEI5 distribution under /usr/local

- 1. Change directory
- % cd /usr/local
- 2. Unzip the FEI5 distribution at user's home directory
- % gunzip \$HOME/mdms-fei5.tar.gz
- 3. Unpack the Komodo archive file
- % tar -xvf \$HOME/mdms-komodo.tar
- 4. Configure the local session FEI5 environment variable
- % setenv FEI5 /usr/local/fei5/config
- 5. Configure the local session execution path
- % setenv PATH /usr/local/fei5/bin:\$PATH
- 6. Configure the local session Java 2 Standard Edition location. By default, the FEI5 client assumes the Java 2 Standard Edition is installed under /usr/java directory.
- % setenv JAVA HOME /usr/local/java/java 1.4.2

Note: Mac OS X has a standard directory hierarchy for its Java installation

% setenv JAVA HOME \

/System/Library/Frameworks/JavaVM.framework/Versions/1.4.1/Home

4. Windows Installation

This section discusses installation instructions specific to the Microsoft Windows™ environment.

Distribution archive file: mdms-fei5.zip

Required environment variables:

Variable	Description	Default
FEI5	The location of the FEI5 domain file	none
JAVA_HOME	The location of the local Java 2 Standard Edition location	none
CLASSPATH	The location of all FEI libraries	%FEI5%\\lib*.jar

Sample installation instructions (for DOS shell) to install FEI5 distribution under $C: \Program Files \ directorv$

- 1. Unzip the FEI5 distribution into the *C*:\Program Files directory.
 - Windows NT and 2000 do not support zip file natively. WinZip™ (see http://www.winzip.com) is required to unpack the FEI distribution.
 - Windows XP supports zip file natively, therefore, users should only required to double-click on the mdms-fei5.zip file icon and drag the unzipped contents into the C:\Program Files directory.
 - Note: We will refer to the *Program Files* directory as *progra~1* in the environment variable.
- 2. Open a DOS shell window
- On Windows NT/2000:

Start→Programs→Accessories→Command Prompt

• On Windows XP:

Start→All Programs→Accessories→Command Prompt

- 3. Configure the local session FEI5 environment variable
- C:\ set FEI5=C:\progra~1\fei5\config
- 4. Configure the local session execution path
- C:\ set PATH=%PATH%;C:\progra~1\fei5\bin
- 5. Configure the local session Java 2 Standard Edition location.
- C:\ set JAVA HOME=C:\progra~1\Java\j2re1.4.2 03

Environment variables can also be set through the Windows' properties dialog windows. Right click on 'My Computer' → Properties → Advanced → Environment Variables... → click 'New...' under User variables to add the above environment variables.