

Information Engineering Technology

Install Guide - WebCR



Release 8.7.3

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WebCR Install

Pre-Requisites

GuardIEn Server

- GuardIEn 8.7 server installed
- All GuardIEn server platforms are supported – MVS, UNIX, Windows
- Communications to GuardIEn server using TCP/IP or MQ Series

Application Server

- Either a JEE Application Server (JBoss, WebLogic, WebSphere, etc)
- or use supplied OSGi application server
- Java 1.8 or higher for the application server

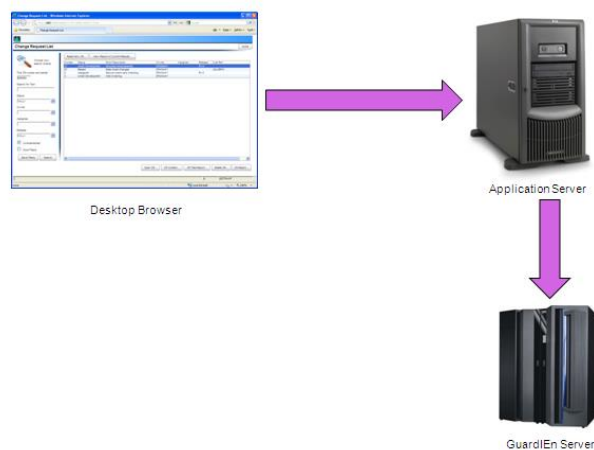
User Workstation

- Browser with JavaScript enabled:
 - Internet Explorer 9 and later
 - Google Chrome 29 and later
 - Firefox 23 and later
 - Safari 6 and later
 - Microsoft Edge 1.0 and later
 - Opera 15 and later

GuardIEn WebCR Architecture

The diagram below illustrates the various components.

- (1) The user accesses WebCR from a browser
- (2) The WebCR software is deployed onto an Application Server. This can be on a separate machine to the GuardIEn server software.
- (3) The WebCR software accesses the GuardIEn data using the standard GuardIEn server software on the GuardIEn server.



Download Files

Download WEBCRxxx.exe (where xxx is the version required) from IET support centre: <https://support.iet.co.uk> into a directory where you want to temporarily store the software.

- Execute WEBCRxxx.EXE. This will extract the WebCR installation files to the chosen directory. You can also specify an alternative directory at this time. Due to changes in the supplied runtime jar files, each new release and service pack should be installed into a new directory rather than into an existing installation of WebCR.

Configure Communications

Before deploying, you must configure the commcfg.properties file to specify the host and port of the GuardIEn server so that communications are successful.

- Edit the commcfg.properties file and replace <gdnserv> with the TCP/IP address, or host/dns name for the GuardIEn server and also verify that the port is correct (GuardIEn 8.7 servers normally use a default port of 50870 for Windows/UNIX). If you are not using TCP/IP, select an appropriate communications transport token. Note that Client Manager access is not supported. If you are using alternate communications protocols like MQ series, contact IET for further details.
- Execute update_comms.bat to place the updated commcfg.properties file into the runtime files. At this stage you also specify the type of security buffer to use for the Gen communications runtime – None, Standard or Enhanced.

Standalone OSGi server

If you wish to use the standalone OSGi server:

- Ensure that the Java Virtual machine (JVM) is in the PATH
- If you wish to change the default port from 80, edit the osgi\configuration\config.ini file and change both references to the port.
- Start the server by executing StartOSGi.bat

App Server

If you wish to use an application server:

- Deploy the GuardIEn.war file to your application server using standard application server mechanisms.

GuardIEn WebCR Execution

To execute WebCR, open your browser and enter the following URL:

OSGi Server: `http://<appserver>/logon` (or `http://<appserver>:<port>/logon` if you are not using port 80)

App Server: `http://<appserver>:<port>/<context>/logon`

Where:

<appserver> is the IP Address or DNS name for the application server

<port> is the Port that the application server is using.

<context> is the application server content path specified when deploying the application, for example "GuardIEn"