



Information Engineering
Technology

Technical Requirements
Release 8.6

The IET Products (GuardIEn, genIE, Object List+, VerifIEr, and pathvIEw) can operate in either a client/server configuration or a remote data configuration.

- In a client/server configuration, the client software resides on the workstation or network drive and accesses the server functions operating on the encyclopaedia server.
- In a remote data configuration, the client and server logic reside on the workstation and access the databases using ODBC.
- For full GuardIEn support using the ODBC client, the GuardIEn batch processing software is required on the server platform. This requires the same pre-requisites as the GuardIEn server with the exception of the client/server communications middleware, which is not required.

Server – Windows CSE

Operating System	Windows Server 2008 or higher
CA Gen	CA Gen 6.5 client/server encyclopaedia or higher
Database	Oracle 10g or 11g database server Oracle 11g SQL*Net client SQL Server 2005, 2008 or 2012
Client/Server Communications	The server software is a CA Gen 8.5 generated client/server application, which uses CA Gen middleware for client to server communications. Supported middleware options are: <ul style="list-style-type: none">• CA Gen 8.5 Transaction Enabler For further details consult the CA Gen Middleware documentation.
Disk Space	GuardIEn Software: 300Mb GuardIEn Database: 150Mb
Other	Visual Studio 2010 compiler required to amend the exits

Server – UNIX AIX CSE

Operating System	AIX 7.1 TL1 64bit or higher
CA Gen	<ul style="list-style-type: none">• CA Gen 6.5 client/server encyclopaedia or higher
Database	Oracle 11gr2 or 12c database server Oracle 11g SQL*Net client – 64 bit
Client/Server Communications	The server software is a CA Gen 8.5 generated client/server application, which uses CA Gen middleware for client to server communications. Supported middleware options are: <ul style="list-style-type: none">• CA Gen 8.5 Transaction Enabler For further details consult the CA Gen Middleware documentation.
Disk Space	GuardIEn Software: 350 Mb GuardIEn Database: 150 Mb
Other	XL C/C++ Enterprise Edition for AIX v12.1

Server – HE for z/OS

Operating System	z/OS 1.12, 1.13, 2.1
CA Gen	CA Gen 6.5 host encyclopaedia or higher
Other Utilities	TSO/E ISPF IBM Enterprise COBOL for z/OS 4.2 or 5.1 Language Environment
Database	DB2 v9.1, 10 and 11 for z/OS Sufficient authority to create DB2 secondary authids, packages, plans, databases, tablespaces, tables, views, indexspaces, indices and perform plan and package binds
TP Monitor	CICS: IBM CICS Transaction Server v4.1, 4.2, 5.1 or 5.2 CICS transaction definitions for GuardIEn server load modules IMS: IBM IMS Transaction Manager v11 or v12 IMS transaction definitions for server load modules
Client/Server Communications	The server software is a CA Gen 8.5 generated client/server application, which uses CA Gen middleware for client to server communications. Supported middleware options are: <ul style="list-style-type: none"> • LU 6.2 supplied by IBM, APPC included with z/OS • CA Gen TCP/IP Direct Connect option, CICS sockets from IBM • Websphere MQ Series For further details consult the CA Gen Middleware documentation.
Disk Space	GuardIEn System Datasets: 22555 (3390) tracks comprising... GuardIEn Runtimes: 13770 (3390) tracks GuardIEn Installation: 7785 (3390) tracks GuardIEn Initial Database Load: 1000 (3390) tracks

For further details please see the *CA Gen 8.5 Technical Requirements (Revision 15, August 22nd 2014)*

Client

Operating System	Windows 7 or higher
CA Gen	<ul style="list-style-type: none"> • CA Gen 6.5 or higher • Plug-in requires CA Gen 6.5 SP2 or higher
Client/Server Communications	<p>The software is a CA Gen 8.5 generated client/server application that requires a licence for the CA Gen middleware for client to server communications. Supported middleware options are:</p> <ul style="list-style-type: none"> • Client Manager • TCP/IP Direct Connect • MQ Series <p>For further details consult the CA Gen Middleware documentation.</p>
Disk Space	Software: 200 Mb
Screen Resolution	Minimum 1024x768 16-bit colour Windows Appearance 'border padding' setting should be set to 0

ODBC Client

Operating System	Windows 7 or higher
CAGen	<ul style="list-style-type: none"> • CA Gen 6.5 or higher • Plug-in requires CA Gen 6.5 SP2 or higher
Disk Space	Software: 300 Mb
Screen Resolution	Minimum 1024x768 16-bit colour Windows Appearance 'border padding' setting should be set to 0
ODBC Driver	<p>An ODBC driver for the encyclopaedia database platform is required. The software has been tested with the following drivers:</p> <ul style="list-style-type: none"> • Oracle ODBC Driver (11g) • Microsoft SQL Server ODBC Driver • IBM DB2 ODBC Driver (DB2 PE 8.1 or higher) <p>It is recommended that the ODBC driver version conforms to the recommended version of the DBMS as stated in the CA Gen 8.5 Technical Prerequisites</p>

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Java	<ul style="list-style-type: none"> • Java JRE 1.7 or higher • Java JDK 1.7
Android Clients	<ul style="list-style-type: none"> • Version 2.3 or higher
iOS Clients	<ul style="list-style-type: none"> • Version 6 or higher