



Information Engineering
Technology

Technical Requirements Release 8.7

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.

Change Summary

Date	Revision	Change
18/5/2018	1.0	GuardIEn 8.7 Launch GCA

Server – Windows CSE

Operating System	Windows Server 2008 or higher
CA Gen	CA Gen 6.5 client/server encyclopaedia or higher
Database	<ul style="list-style-type: none"> • Oracle 11g or 12c database server • Oracle 12c SQL*Net client 32bit or <ul style="list-style-type: none"> • SQL Server 2008, 2012 or 2014
Client/Server Communications	<p>The server software is a CA Gen 8.6 generated client/server application, which uses CA Gen middleware for client to server communications. Supported middleware options are:</p> <ul style="list-style-type: none"> • CA Gen 8.6 Transaction Enabler <p>For further details consult the CA Gen Middleware documentation.</p>
Disk Space	GuardIEn Software: 300Mb GuardIEn Database: 150Mb
Other	Visual Studio 2015 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 12c SQL*Net client – 64 bit
Client/Server Communications	<p>The server software is a CA Gen 8.6 generated client/server application, which uses CA Gen middleware for client to server communications. Supported middleware options are:</p> <ul style="list-style-type: none"> • CA Gen 8.6 Transaction Enabler <p>For further details consult the CA Gen Middleware documentation.</p>
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 1.13, 2.1, 2.2, 2.3 IBM zEnterprise zEC12, zBC12, z13/z13s, z14
CA Gen	CA Gen 6.5 host encyclopaedia or higher. Note that GuardIEn 8.7 makes use of CA Gen 8.6 runtimes.
Other Utilities	TSO/E ISPF IBM Enterprise COBOL for z/OS 4.2, 5.1, 5.2, 6.1, 6.2 Language Environment v1.13, v2.1, v2.2, v2.3 GuardIEn 8.7 has been compiled using Enterprise for z/OS COBOL 6.2.
Database	DB2 v10, v11 and v12 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, 5.2, 5.3, 5.4 CICS transaction definitions for GuardIEn server load modules IMS: IBM IMS Transaction Manager v12, v13, v14 (v14 requires additional CA Gen PTFs to be applied) IMS transaction definitions for GuardIEn server load modules
Client/Server Communications	The server software is a CA Gen 8.6 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 • CA Gen TCP/IP Direct Connect option for IMS • Websphere MQ Series V7R0M1, V7R1M0, V8R0M0, V9R0M0 For further details consult the CA Gen Middleware documentation.
Disk Space	GuardIEn System Datasets: 29665 (3390) tracks comprising... GuardIEn Runtimes: 16575 (3390) tracks GuardIEn Installation: 12090 (3390) tracks GuardIEn Initial Database Load: 1000 (3390) tracks

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 8.6 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
Other	Visual Studio 2015 compiler required to amend the exits

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 (12) • 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 8.6 Technical Prerequisites</p>
Other	Visual Studio 2015 compiler required to amend the exits

For further details please see the *CA Gen 8.6 Technical Requirements*