



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

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|-------------------------------------|---|
| Operating System | Windows Server 2008 or higher |
| CA Gen | CA Gen 6.5 client/server encyclopaedia or higher |
| Database | Oracle 10g, 11g or 12c 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

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|-------------------------------------|---|
| 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

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|-------------------------------------|---|
| Operating System | z/OS 1.13, 2.1 or 2.2 IBM zEnterprise zEC12, zBC12, z13/z13s |
| CA Gen | CA Gen 6.5 host encyclopaedia or higher. Note that GuardIEn 8.6 makes use of CA Gen 8.5 runtimes but we have confirmed compatibility with CA Gen 8.6 runtimes if required. |
| Other Utilities | TSO/E ISPF IBM Enterprise COBOL for z/OS 4.2, 5.1, 5.2 or 6.1 Language Environment v1.13, v2.1 or v2.2 |
| Database | DB2 v9, 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 or 5.4 CICS transaction definitions for GuardIEn server load modules IMS: IBM IMS Transaction Manager v12, v13 or v14 (v13 and v14 require 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 8.5 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 • CA Gen TCP/IP Direct Connect option for IMS • Websphere MQ Series V7R0M1, V7R1M0, 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 |

Client

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|-------------------------------------|---|
| 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 |
| Other | Visual Studio 2010 compiler required to amend the exits |

ODBC Client

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|--------------------------|--|
| 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> |
| Other | Visual Studio 2010 compiler required to amend the exits |

For further details please see the *CA Gen 8.5 Technical Requirements (Revision 34, 14th November 2017)*.