IBM Enterprise Integrator for Domino (IEI)

Release 9.0
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A) Branding Changes in IEI 9.0

- Lotus Enterprise Integrator (LEI) is now called IBM Enterprise Integrator (IEI).
- IBM Lotus OEM ODBC Drivers is now called IBM DataDirect ODBC Drivers for Domino
- Lotus Connector is now called IBM Notes/Domino Connector.

B) What's new in IEI 9.0

- The IEI technical documentation is available at
  - https://www.ibm.com/developerworks/lotus/documentation/lei/ and
- For the latest information about IBM Enterprise Integrator offerings, visit
- IEI 9.0 introduces the following features and supports
  - Support for IBM DataDirect ODBC Drivers 7.0 for Domino
  - Support for IEI 64 bit on Linux 64 bit
  - Support for MS SQL Server 2012
  - Support for Windows Server 2012 64 bit
  - Support for AIX 7.1 64 bit
  - Support for RHEL 6.2 64 bit
C) System requirements

- Hardware requirements for all platforms-- IEI 32 bit and 64 bit
  - 60MB disk space
  - 20MB temp space - required by IEI installer

  **Note:** To run 32 bit and 64 bit IEI, you must be running 32 bit and 64 bit versions of Domino, the IBM Notes/Domino Connector and all client connectivity software respectively.

- Memory requirement for all platforms -- IEI 32 bit and 64 Bit
  - 256 MB RAM (above Domino requirements) for data management activities only
  - 512 MB (above Domino requirements) for real time and data management activities

- IEI 9.0 - 32 bit version
  - IEI 32 bit is supported on the following platforms:

  1) Windows 2008 64 bit
     Database client connectivity:
     - Oracle 10g, 11g - Native client and ODBC
     - DB2 9.1, 9.5, 9.7 - Native client and ODBC
     - DB2 Universal Database for IBM i - Native client and ODBC
     - Sybase 15 - Native Client and ODBC
     - MS SQL Server 2005, 2008, 2012- Native client and ODBC
     - Informix - ODBC only
     - MySQL Enterprise - ODBC only

  2) Windows 2008 R2
     Database client connectivity:
     - Oracle 10g, 11g -Native client and ODBC
     - DB2 9.1, 9.5, 9.7 -Native client and ODBC
     - DB2 Universal Database for IBM i - Native client and ODBC
     - MS SQL Server 2005, 2008, 2012-Native client and ODBC
     - Sybase 15 - Native Client and ODBC only
     - Informix - ODBC only
     - MySQL Enterprise - ODBC only

  3) AIX 7.1- 64 bit
     Database client connectivity:
     - Oracle 10g, 11g -Native Client and ODBC
     - DB2 9.1, 9.5, 9.7 -Native client and ODBC
     - DB2 Universal Database for IBM i -Native client and ODBC
     - Sybase 15 - Native Client and ODBC
     - MS SQL Server 2005, 2008, 2012 - ODBC only
     - Informix - ODBC only
MySQL Enterprise - ODBC only

4) RedHat Enterprise Linux (RHEL) 6.2 for x86_64 - 64 bit
   Database client connectivity:
   Oracle 10g, 11g - Native Client and ODBC
   DB2 9.1, 9.5, 9.7 - Native client and ODBC
   DB2 Universal Database for IBM i - Native client and ODBC
   Sybase 15 - ODBC only
   MS SQL Server 2005, 2008, 2012 - ODBC only
   Informix - ODBC only
   MySQL Enterprise - ODBC only

5) Novell SuSE Linux Enterprise Server (SLES) 11 - 64 bit
   Database client connectivity:
   Oracle 10g, 11g - Native Client and ODBC
   DB2 9.1, 9.5, 9.7 - Native client and ODBC
   DB2 Universal Database for IBM i - Native client and ODBC
   Sybase 15 - ODBC only
   MS SQL Server 2005, 2008, 2012 - ODBC only
   Informix - ODBC only
   MySQL Enterprise - ODBC only

6) IBMi 6.1, 7.1
   Database client connectivity:
   Oracle - ODBC only
   Universal Database for IBM i - Native client and ODBC
   Sybase 15 - ODBC only
   MS SQL Server 2005, 2008, 2012 - ODBC only
   Informix - ODBC only
   MySQL Enterprise - ODBC only

Read all Domino documentation regarding the specific patches Domino requires for its 32 bit server. The patch level required by Domino is a prerequisite for successful IEI installation. Patch requirements are updated periodically. See the Domino documentation for details:


- Other Software requirements -- IEI 32 bit

Note: Database client libraries must be 32 bit. If a client version is not available on a platform then that client configuration is not supported. For example, if Oracle 10g (client only) is not available on Linux, then support for this configuration of Oracle client is not supported on Linux.

IEI 9.0 32 bit requires Notes/Domino 9.0 32 bit.

- Current supported data drivers list -- IEI 32 bit
Supported IBM Notes/Domino Connector data driver versions are listed below:
These include the Data Direct Sybase, Oracle, Informix, DB2, MS SQL, MySQL Enterprise
server ODBC wire protocols.

**Note:** IEI supports the IBM DataDirect ODBC Wire Protocol Driver with the IBM
Notes/Domino Connector for ODBC.

- **IEI 9.0 - 64 bit version**
  - IEI 64 bit is supported on the following platforms:

  1) **Windows 2008 64 bit**
     Database connectivity:
     - Oracle 10g, 11g - Native client and ODBC
     - DB2 9.1, 9.5 - Native client and ODBC
     - MS SQL Server 2005, 2008, 2012 - Native client and ODBC
     - Sybase 15 - ODBC only
     - Informix - ODBC only
     - MySQL Enterprise - ODBC only

  2) **Windows 2008 R2**
     Database connectivity:
     - Oracle 10g, 11g - Native client and ODBC
     - DB2 9.1, 9.5, 9.7 - Native client and ODBC
     - MS SQL Server 2005, 2008, 2012 - Native client and ODBC
     - Sybase 15 - ODBC only
     - Informix - ODBC only
     - MySQL Enterprise - ODBC only

  3) **Windows Server 2012 64 bit**
     Database client connectivity:
     - Oracle 10g, 11g - ODBC only
     - DB2 9.1, 9.5, 9.7 - ODBC only
     - MS SQL Server 2005, 2008, 2012 - Native client and ODBC
     - Sybase 15 - ODBC only
     - Informix - ODBC only
     - MySQL Enterprise - ODBC only

  4) **AIX 7.1 - 64 bit**
     Database client connectivity:
     - Oracle 10g, 11g - Native Client and ODBC
     - DB2 9.1, 9.5, 9.7 - Native client and ODBC
     - DB2 Universal Database for IBM i - Native client and ODBC
     - Sybase 15 - ODBC only
     - MS SQL Server - ODBC only
     - Informix - ODBC only
     - MySQL Enterprise - ODBC only
5) RedHat Enterprise Linux (RHEL) 6.2 for x86_64 - 64 bit
   Database client connectivity:
   Oracle 10g, 11g -Native Client and ODBC
   DB2 9.1, 9.5, 9.7 -Native client and ODBC
   DB2 Universal Database for IBM i -Native client and ODBC
   Sybase 15 - ODBC only
   MS SQL Server -ODBC only
   Informix -ODBC only
   MySQL Enterprise - ODBC only

6) Novell SuSE Linux Enterprise Server (SLES) 11 - 64 bit
   Database client connectivity:
   Oracle 10g, 11g -Native Client and ODBC only
   DB2 9.1, 9.5, 9.7 - Native client and ODBC
   DB2 Universal Database for IBM i - Native client and ODBC
   Sybase 15 - ODBC only
   MS SQL Server -ODBC only
   Informix - ODBC only
   MySQL Enterprise - ODBC only

Read all Domino documentation regarding the specific patches Domino requires for its 64 bit server. The patch level required by Domino is a prerequisite for successful I.E.I installation. Patch requirements are updated periodically. See the Domino documentation for details:


- Other Software requirements -- I.E.I 64 bit

**Note**: Database client libraries must be 64 bit.

I.E.I 9.0 64 bit version requires Domino 9.0 64 bit version.

- Additional Requirements
  - Notes 9.0 client to administer the I.E.I Administrator database and run the I.E.I server if I.E.I is installed on a Notes client
  - Domino 9.0 server to manage the I.E.I Administrator database and run the I.E.I server if I.E.I is installed on a Domino server
  - Client libraries of the external systems (e.g. DB2, Oracle, ODBC Driver etc.) to be accessed must be installed on the I.E.I server and the Domino server. When running activities, if
  - the I.E.I server and the Domino server are on separate machines, the client libraries must be installed on both machines.
  - For I.E.I installation on UNIX, X Window system server environment and client libraries are required Window system client libraries are generally installed on Windows operating system.
  - Verify that all of your database software is current with all available maintenance
releases and/or fix packs.
• For IBM i, IEI installation requires Windows Internet Explorer 7.0 or later.

- Current supported data drivers list -- IEI 64 bit
  • Supported IBM Notes/Domino Connector data driver versions are listed below: These include the Data Direct Sybase, Oracle, Informix, DB2, MS SQL, MySQL Enterprise server ODBC wire protocols.

  Note: IEI supports the IBM DataDirect ODBC Wire Protocol Driver with the IBM Notes/Domino Connector for ODBC.

- Testing connectivity
  • The supplied DCTEST program tests connectivity from the system on which the IEI server is installed to external data sources. The IEI server acts as a client to your external data server.
  • Run the appropriate connectivity test program from the Domino server before running IEI. The program names are listed below by platform:
    • Issue the following command for Windows: ndctest
    • Issue the following command for UNIX: dctest
    • Issue the following command for IBM i: RUNDOMCMD SERVER(your_dom_server) CMD(CALL PGM(QDOMINOxxx/DCTEST)) BATCH (*NO) where xxx is the Domino release
    • A command window help menu provides information for using the connectivity test program.

D) Installation considerations


- Install considerations:
  • If separate IDs are used for IEI and Domino, then the user ID of the user who is installing IEI must be resident in the Domino Directory group LocalDomainAdmins or the IEI installation will fail.
  • The Domino server must be running during IEI installation. For the UNIX platforms, the installer does not error out if Domino is not running. You must verify that the Domino server is running before installing IEI.
  • DECS, if installed, must not be running during IEI installation.
• The IEI installation utility does not inform you that you must make changes to your Domino Directory in order to support the server-side browsing method used by IEI. See the IEI installation Guide for details.

• The IEI server must be installed on a machine where a Notes client or a Domino server is installed. Only one IEI server can be installed on any single non-partitioned machine. On a partitioned machine, an IEI server can be installed on each partition. The IEI server version and the Notes/Domino version must match, for example Domino 9.0 with IEI 9.0.

• On UNIX, do not use the following characters in an IEI server name: ",', &, , :, /

• If you will be installing IEI to a Notes client, set the Notes ID to share its password with other Notes-based systems, as documented in the IEI installation guide. To avoid multiple prompting for password, ensure that your Notes client is running during IEI install.

  ▪ Uninstall considerations:

    • In a failover cluster, uninstall the first failover server in the cluster last. Uninstall the failover servers sequentially from last to first.

E) Operational considerations

  ▪ Current IEI Tech Notes and other user information can be found at


  ▪ For platform and version support, see the IEI readme file on the developerWorks Technical documentation page at


F) What's been fixed in IEI 9.0

  ▪ The fix list database at http://www.lotus.com/ldd/r5fixlist.nsf lists each IEI issue resolved in this release. Follow the steps to see what's been fixed in IEI 9.0:

    1. Click "Product area" and then "Enterprise Integration."
    2. Click the release number to view the list of resolved issues.

  ▪ Important issues fixed in IEI 9.0.

    • SPR#DWHL8HUNAN - After upgrade to 8.5.2, DRDA connections to DB2 fail with MCH0601 errors on SQLDescribeCol that lead to crashes or agent failure
    • SPR#SSHE8Z7H2N - Server crashing opening documents monitored by DECS
    • SPR#RWAH8MALK2 - LEI Direct Transfer crashes the server on 64 bit if the Field contains Carriage Return Line Feed or RichText
G) Documentation errata

- All instances of the term "System i" or "i5/OS" should have been changed to "IBM i" in the IEI documentation set.

- Missing documentation for IBM i system: As a prerequisite for successful IEI installation, see

- The Domino documentation regarding the platform patch-level required for the Domino server. The IEI installation program checks which IBM i version is installed on your system. Install the required PTFs and other resources needed for your IBMi version.

- Title for Lotus Connectors Guide in IEI Administrator database is changed to IBM Notes/Domino Connector Guide. However, content and actual database title is same as previous releases.

H) Troubleshooting and support

The IBM Notes/Domino Connector LotusScript Extensions Guide and IBM Notes/Domino Connectors and Connectivity Guide are supplied with Domino. You can also obtain these guides at:


For the latest information about IBM Enterprise Integrator product offerings, visit the following Web sites:


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