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Lotus Enterprise Integrator 6

A04

e business software

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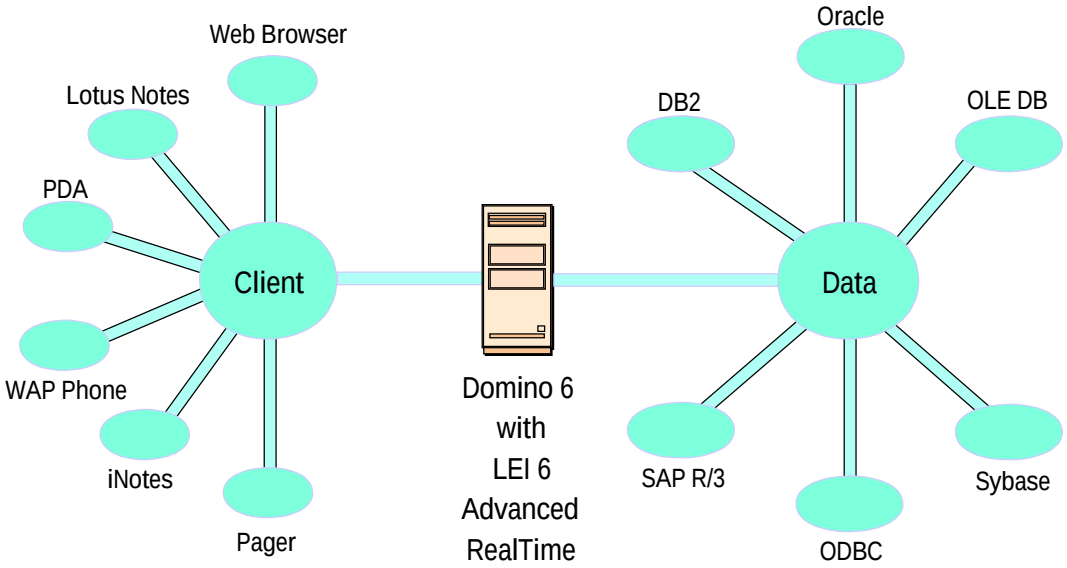
Domino 6 Three Tier Architecture



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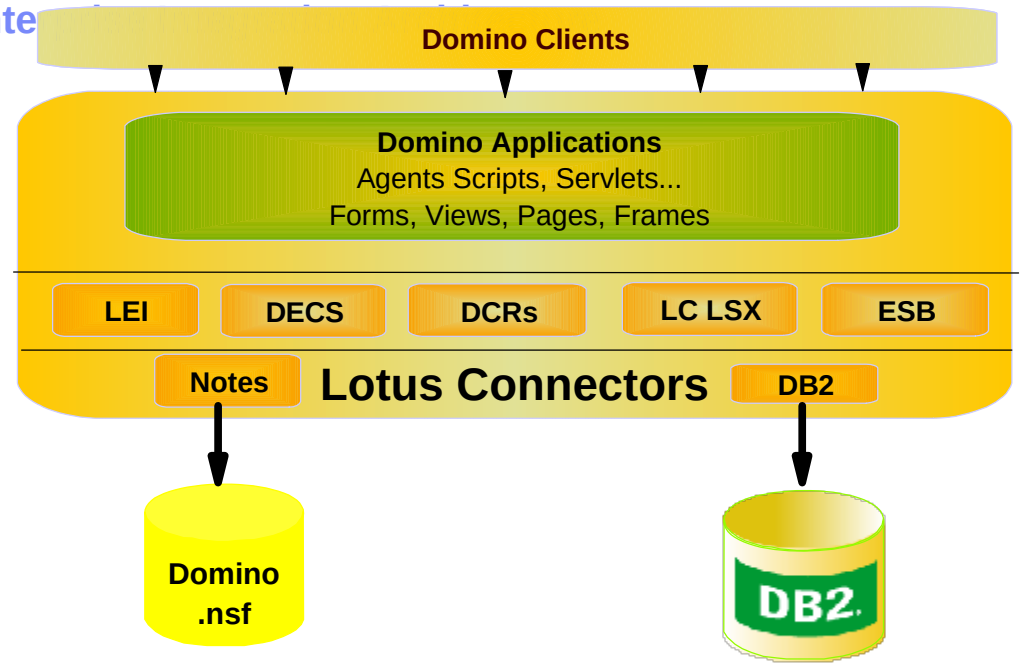

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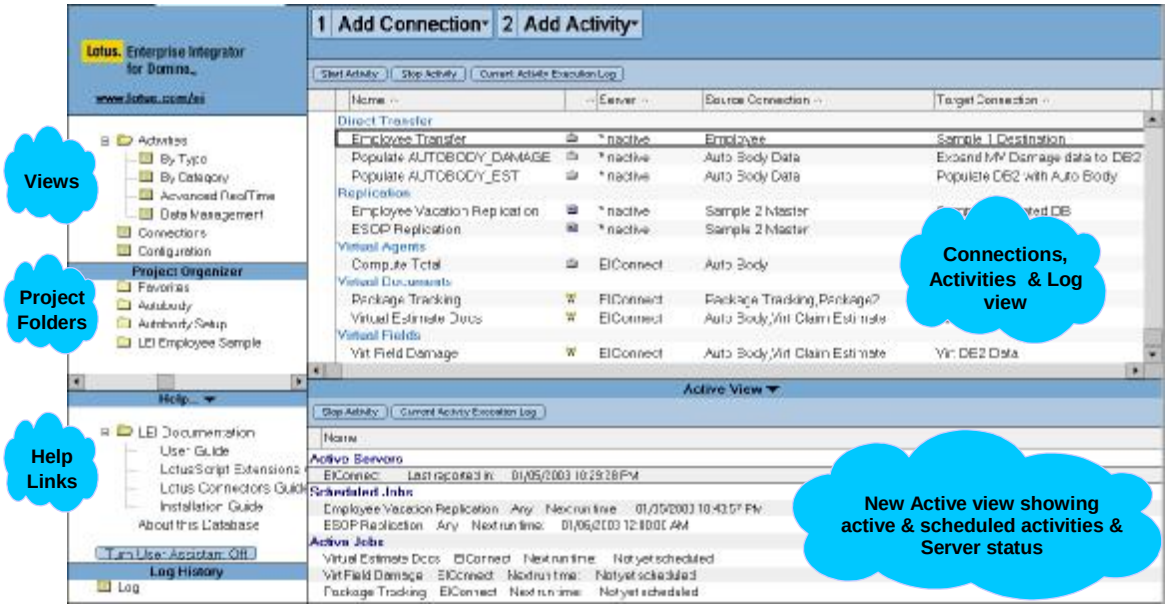
LEI 6 Administrator



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Lotus Connectors for Domino 6

- Lotus Connectors are built using vendor specific APIs to provide native access to the external system
- Base Connectors (Ship with Domino,Notes & Designer)
  - DB2 (7.x & 8.1)
  - Oracle (7, 8i & 9i)
  - Sybase (11)
  - OLE-DB (SQL Server 2000 & Access 2000)
  - ODBC, File, Text
- Premium Connector
  - SAP R/3 (Version 1.7 will support Notes/Domino 6 & LEI 6, available late December 2002)
  - Supports the same features it did in LEI 3.x. Does not support Virtual Documents, Virtual Agents, Virtual Attachments or Integrated Credentials

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DECS R5	LEI 3.x	DECS Domino 6	LEI 6
RealTime	RealTime	Virtual Fields	Virtual Fields
			Virtual Docs
			Virtual Agent
			Virtual Attachments
			Integrated Credentials
	Admin Backup		Admin Backup
	Admin Purge Log		Admin Purge Log
	Archive		Archive
	Command		Command
	Direct Transfer		Direct Transfer
	Java		Java
	Polling		Polling
	Replication		Replication
	Script		Script

Classical RealTime Activities

Advanced RealTime Activities

Advanced RealTime Feature

Data Management Activities

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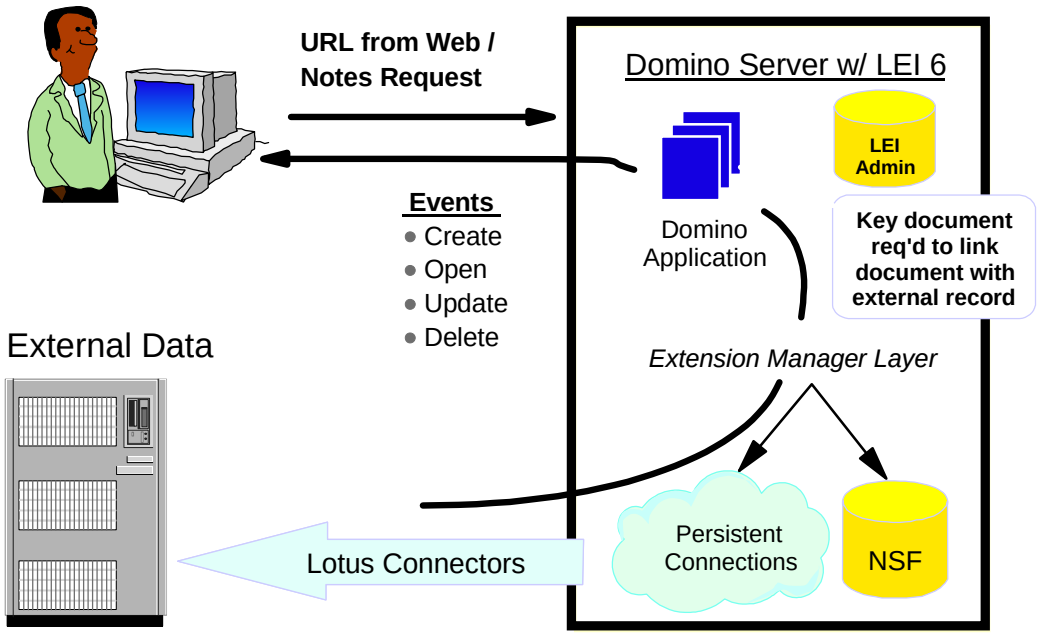
How Advanced RealTime Works - Virtual Fields



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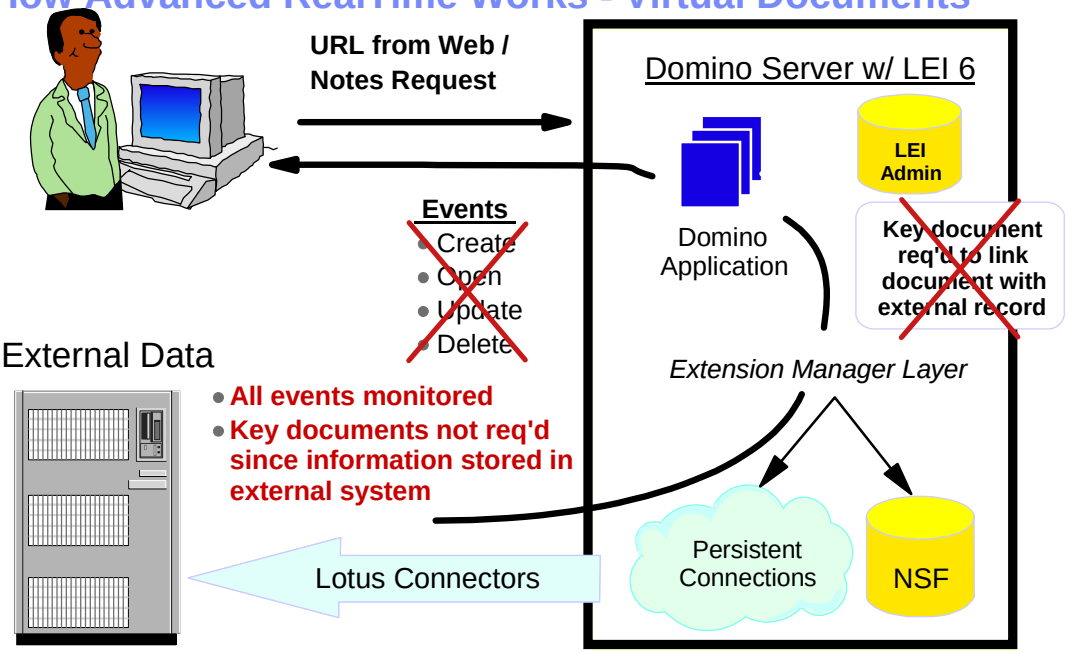
How Advanced RealTime Works - Virtual Documents



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Virtual Documents

Unifies corporate and Domino technology-based data into one application to leverage your current external application investments

Key Features

- Document completely stored in external system - no key document req'd in nsf
- Notes control fields stored external to the .nsf
- Allows external data to participate in a Domino view
- Existing external records "virtualized" when activity is first started
- Records added directly to external system "virtualized" at frequency controlled in activity doc
- Domino services (replication, full-text & domain search, security, workflow, translation)

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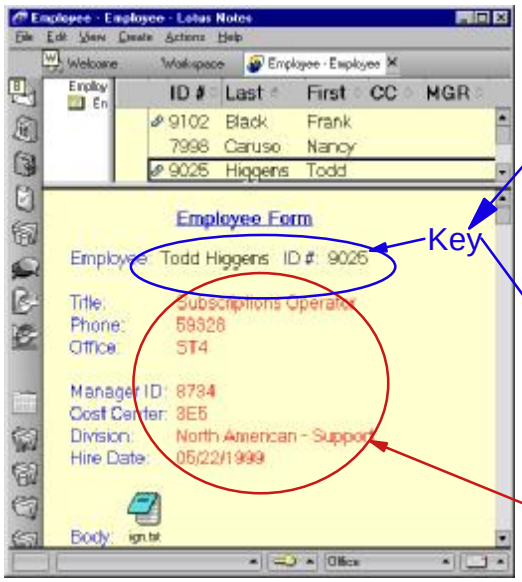
Virtual Fields



The employee name and ID fields link the Notes document to the external record

Key

External Table

ID	Last	First	CC	Mgr	....
9102	**Black**	**Frank**	**3A7**	**8345**	**....**
7998	**Nancy**	**Caruso**	**3E5**	**8201**	**....**
9025	**Todd**	**Higgens**	**3E5**	**8734**	**....**

Virt Fld Data

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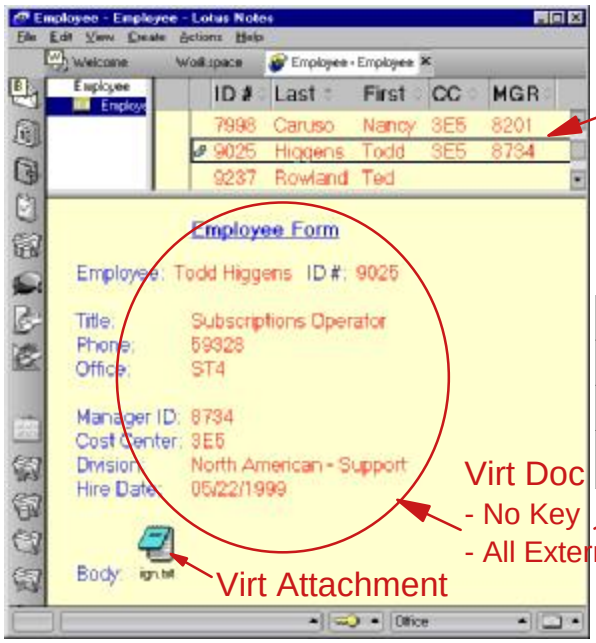
Virtual Documents



External data in view

External Table

ID	Last	First	CC	Mgr	....
9102	**Black**	**Frank**	**3A7**	**8345**	**....**
7998	**Nancy**	**Caruso**	**3E5**	**8201**	**....**
9025	**Todd**	**Higgens**	**3E5**	**8734**	**....**

Virt Doc
- No Key
- All External

Virt Attachment

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Virtual Documents - Integrated Keys

ITEM	DATA TYPE
PRODUCT_ID	Number(6,0)
DESCRIPTION	VARCHAR2(30)
LIST_PRICE	NUMBER (8,2)
MIN_PRICE	NUMBER (8,2)
START_DATE	DATE
END_DATE	DATE
EINOTEID	NUMBER
EIUNID	CHAR(32)
EIMODIFIED	DATE
EINOTEPROPS	BLOB

Notes Control Fields

"Integrated keys" benefit (Notes control fields added to data table)

- **Better performance in general**
- **Significantly faster view rebuilds for large data sets**

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Virtual Documents - External Keys

Key field to correlate data record with Notes control record

EMP_ID	Char(50)
EINOTEID	NUMBER
EIUNID	CHAR(32)
EIMODIFIED	DATE
EINOTEPROPS	BLOB

Notes Control Fields

External Key table benefits (Notes control fields in external table)

- **Ease of implementation, no need to alter existing data tables**
- **Built-in utility creates ext key table for you**
  - **ensures correct syntax and data types for each RDBMS**
- **Deleting Virtual documents removes data record as expected**
  - **deletion stub record 'hidden' in ext key table**

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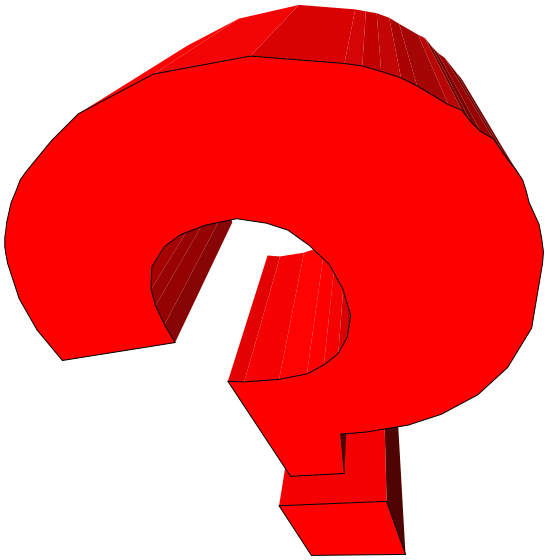

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