

Day 1 Session Agenda and Abstracts

What's New in Domino 6.5

Abstract: The Domino 6.5 release provides many exciting enhancements that span significant end-user experience improvements, easily integrated Sametime awareness components when designing Domino applications, along with administration productivity enhancements. These improvements range from being able to replicate unread marks across databases, adding Sametime awareness easily to forms and views, creating calendar entries from to dos and email messages, and a plethora of additional enhancements. This session will share many of these improvements with you so you can fully utilize them in your environment.

Session length: 1 to 1.5 hours

Domino Performance Best Practices for the iSeries

Abstract: Domino is a complex application environment. To get the best performance out of your Domino servers running on the iSeries, you should tune both the iSeries OS/400 and the Domino servers. This session will provide detailed tuning tips and industry proven experience for both of these environments.

What you will take away from this session includes:

- 1) OS/400 memory management and storage pool tuning tips
- 2) How to appropriately adjust job run priorities
- 3) Integrated File System (IFS) directory types and their impact on Domino performance
- 4) Impact of large mail files on server performance
- 5) Common configuration problems impacting Domino performance such as server based mail rules, TCP/IP checksum settings, network routing problems, and more
- 6) Correct placement of transaction logs for your specific environment: should they be placed in the system ASP, in a user ASP, or an independent ASP
- 7) Managing Domino buffer pools to optimize performance

Session length: 2 hours

Domino Multi-Versioning Support on the iSeries

Abstract: Starting with Domino 6.5 and 6.0.3 on the iSeries, you have the capability to install multiple versions of Lotus Domino on the same physical system or the same LPAR (logical partition). The ability to support multiple versions of Domino adds a new dimension to your environment.

This session will cover the following topics:

- 1) What multi-versioning is and is not

- 2) Installation considerations
- 3) Configuring and changing servers with more than one Domino 6 version installed
- 4) Considerations for managing and developing applications for multiple versions of Domino on the same iSeries without requiring LPAR

Session length: 1 - 1.5 hours

Domino and DB2 Integration

Abstract: One of the major strengths of the iSeries is its ability to easily run and integrate many applications on a single system. Domino is no exception to that. Come learn how to integrate Domino applications with your existing iSeries data. Topics discussed include graphical integration tools such as Domino Enterprise Connection Services (DECS) and Lotus Enterprise Integrator (LEI), along with programming options such as LotusScript, Java, XML, and WebSphere.

By the end of this session, attendees will be able to:

1. Describe the tools and programming options available to integrate Domino with DB2.
2. Choose the correct integration option for the job.
3. Explain the benefits and tradeoffs of the various tools and programming options.

Session length: 2 hours

Day 2 Lab Agenda and Abstracts

Exploring the New Domino 6.5 Designer Enhancements

Abstract: There are a number of enhancements to the development environment introduced into Domino 6.5 that can make your life as a designer of Domino applications much easier. This lab will provide hands-on experience in working with the Domino 6.5 Designer Client and will walk you through several of the enhancements included with this new release.

Lab length: 1 hour

Lotus Enterprise Integrator (LEI) Virtual Documents

Abstract: Lotus Enterprise Integrator (LEI) 6 contains a new technology called virtualization that makes integration with back-end data stores seamless. One of the biggest inhibitors to using DECS in previous releases is the problem of having to synchronize keys between Domino and DB2. While LEI 6 doesn't totally eliminate this problem, it gets us much closer to a total solution.

The new virtual document support opens up application functionality significantly by allowing data stored in external data stores such as DB2 UDB to participate in views, without having any of the data stored in Domino. Come to this lab to learn how to use a virtual document activity to do just this in a Domino application.

Lab length: 1 hour

Lotus Enterprise Integrator (LEI) - Using Virtual Fields in Combination with Virtual Documents

Abstract: LEI 6 provides three different types of virtualization: virtual documents, virtual fields, and virtual agents. In this lab you will learn how you can combine virtual fields with virtual documents. This will allow you to populate the keys with a virtual document activity and retrieve the rest of the data through virtual fields. Virtual fields provide some additional functionality that is not provided with virtual documents. These additional functions include:

- Ability to populate a Domino form from more than one DB2 UDB table
- Ability to use multi-value data fields
- Ability to set a monitor order for the various activity document

Lab length: 1 hour

Data Connection Resources (DCRs)

Abstract: A data connection resource is a design element you define within Domino Designer to establish a data exchange between a Domino application and an external data source. Like other design resources, you can define a DCR and then use it in many places within an application. For example, you might establish a connection to an inventory catalog stored as a table in the iSeries DB2 UDB database. You could then use that connection in a variety of forms in your application.

DCRs provide a convenient alternative to using the DECS Administrator that ships with the Domino server. Rather than having to go to an external application, the DECS Administrator, to work with field level integration between Domino and an external data source, this integration can now be done directly in the Domino Designer client.

Lab length: 1 hour

LotusScript Data Object (LS:DO)

Abstract: LS:DO provides an easy, flexible programmatic way to access relational databases, such as DB2 UDB, from a Domino application. LS:DO can be used wherever LotusScript is available: Forms, Navigators, Agents, and Views.

LS:DO is a LotusScript eXtension (LSX), which is a set of specialized LotusScript classes that extends the standard object model to meet a specific need. LS:DO provides full SQL access (read, write, update, delete) to external data via ODBC, or in the case of iSeries, directly to iSeries when the code is running on the Domino for iSeries server.

This lab will show you how to write an agent using the LS:DO APIs to access DB2 UDB from Domino.

Lab length: 1 hour

Java Database Connectivity (JDBC)

Abstract: JDBC is a Java industry standard for writing Java based applications that allow access to relational databases. We can use JDBC in much the same way that we use LS:DO, with the primary difference being a change in the programming language.

Java has been supported in Lotus Domino starting with release 4.6 and it has continued to gain support in the Domino community ever since. Not only can you write Java agents that use JDBC to access relational database, you could alternatively use Java to write stand-alone applications or servlets that use the JDBC architecture to work with external data sources such as DB2 UDB.

This lab will show you how to write an agent using the JDBC APIs to access DB2 UDB from Domino.

Lab length: 1 hour