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Chapter 1 : Lotus Domino Software and Solutions â€“ Data Management | NetApp

Lotus iNotes includes the support for Lotus Notes widgets. This article gives you a couple of quick and easy examples, that show how to use the blog.quintoapp.comte that is included in Domino and how to create a simple widget link to your team discussion database.

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Chapter 2 : blog.quintoapp.com: Customer reviews: Learn Lotus Domino: A Guide for Notes Developers

IBM Domino has always been a stable, secure, and trusted platform for developing and hosting business-focused collaboration applications. Choose from a variety of platforms and operating systems to deliver critical business applications, built for today's world by today's developers.

IBM Notes resembles a web-browser in that it may run any compatible application that the user has permission for. IBM Notes provides applications that can be used to: A Domino application-developer can change or completely replace that application. Software developers can build applications to run either within the IBM Notes application runtime environment or through a web server for use in a web browser, although the interface would need to be developed separately unless XPages is used. Notes can access both local- and server-based applications and data. The system can retrieve recipient addresses from any LDAP server, including Active Directory , and includes a web browser, although it can be configured by a Domino Developer to launch a different web browser instead. IBM Notes can be used with IBM Sametime instant-messaging to allow to see other users online and chat with one or more of them at the same time. Beginning with Release 6. Since version 7, Notes has provided a Web services interface. A design client, IBM Domino Designer , can allow the development of database applications consisting of forms which allow users to create documents and views which display selected document fields in columns. In addition to its role as a groupware system email, calendaring, shared documents and discussions , IBM Notes and Domino can also construct "workflow"-type applications, particularly those which require approval processes and routing of data. Since Release 5, server clustering has had the ability to provide geographic redundancy for servers. There are different supported versions of the IBM Domino server that are supported on the various levels of server operating systems. Usually the latest server operating system is only officially supported by a version of IBM Domino that is released at about the same time as that OS. IBM Domino has security capabilities on a variety of levels. The authorizations can be granular, down to the field level in specific records all the way up to 10 different parameters that can be set up at a database level, with intermediate options in between. Users can also assign access for other users to their personal calendar and email on a more generic reader, editor, edit with delete and manage my calendar levels. The generalized nature of this feature set it apart from predecessors like Usenet and continues to differentiate IBM Notes from many other systems that now offer some form of synchronization or replication. It is available for any data in any application that uses Notes Storage Facility. No special programming, tagging, or other configuration is required to enable replication. IBM Domino servers and Notes clients identify NSF files by their Replica IDs, and keep replicate files synchronized by bi-directionally exchanging data, metadata, and application logic and design. There are options available to define what meta-data replicate, or specifically exclude certain meta data from replicating. Replication between two servers, or between a client and a server, can occur over a network or a point-to-point modem connection. Replication between servers may occur at intervals according to a defined schedule, in near- real-time when triggered by data changes in server clusters, or when triggered by an administrator or program. The client synchronizes any changes when client and server next connect. Local replicas are also sometimes maintained for use while connected to the network in order to reduce network latency. Replication between an IBM Notes client and Domino server can run automatically according to a schedule, or manually in response to a user or programmatic request. Since Notes 6, local replicas maintain all security features programmed into the applications. Earlier releases of Notes did not always do so. Early releases also did not offer a way to encrypt NSF files, raising concerns that local replicas might expose too much confidential data on laptops or insecure home office computers, but more recent releases offer encryption, and as of[when? Security[edit] IBM Notes was the first widely adopted software product to use public key cryptography for clientâ€”server and serverâ€”server authentication and for encryption of data. Until US laws regulating encryption were changed in , IBM and Lotus were prohibited from exporting versions of Notes that supported symmetric encryption keys that were longer than 40 bits. In , Lotus negotiated an agreement with the NSA that allowed export of a version that supported stronger keys with 64 bits, but 26 of the bits were encrypted with a

special key and included in the message to provide a "workload reduction factor" for the NSA. This strengthened the protection for users of Notes outside the US against private-sector industrial espionage , but not against spying by the US government. Some governments objected to being put at a disadvantage to the NSA, and as a result Lotus continued to support the bit version for export to those countries. IBM Notes and Domino also uses a code-signature framework that controls the security context, runtime, and rights of custom code developed and introduced into the environment. Notes 5 introduced an execution control list ECL at the client level. The ECL allows or denies the execution of custom code based on the signature attached to it, preventing code from untrusted and possibly malignant sources from running. Notes and Domino 6 allowed client ECLs to be managed centrally by server administrators through the implementation of policies. Administrators can centrally control whether each mailbox user can add exceptions to, and thus override, the ECL. Database security[edit] Every database has an access control list ACL that specifies the level of access a user or a server can have to that database. The names of access levels are the same for users and servers. Only a user with Manager access can create or modify the ACL. To set an ACL, the Manager selects the access level, user type, and access level privileges for each user or group in a database. Default entries in the ACL can be set when the Manager creates the database. The manager can also assign roles if the database designer determines this level of access refinement is needed by the application; for instance, when users within the same group must be provided different levels of access. Programming[edit] IBM Notes and Domino is a cross-platform, distributed document-oriented NoSQL database and messaging framework and rapid application development environment that includes pre-built applications like email, calendar, etc. This sets it apart from its major commercial competitors, such as Microsoft Exchange or Novell GroupWise , which are purpose-built applications for mail and calendaring that offer APIs for extensibility. Originally, replication in Notes happened at document i. With release of Notes 4 in , replication was changed so that it now occurs at field level. A database is a Notes Storage Facility. Every note has a UniqueID that is shared by all its replicas. Every replica also has a UniqueID that uniquely identifies it within any cluster of servers, a domain of servers, or even across domains belonging to many organizations that are all hosting replicas of the same database. Each note also stores its creation and modification dates, and one or more Items. There are several classes of notes, including design notes and document notes. Design notes are created and modified with the Domino Designer client, and represent programmable elements, such as the GUI layout of forms for displaying and editing data, or formulas and scripts for manipulating data. Document notes represent user data, and are created and modified with the Lotus Notes client, via a web browser, via mail routing and delivery, or via programmed code. Document notes can have parent-child relationships, but IBM Notes should not be considered a hierarchical database in the classic sense of information management systems. Notes databases are also not relational , although there is a SQL driver that can be used with Notes, and it does have some features that can be used to develop applications that mimic relational features. IBM Notes does not support atomic transactions, and its file locking is rudimentary. IBM Notes is a document-oriented database document-based, schema-less, loosely structured with support for rich content and powerful indexing facilities. This structure closely mimics paper-based work flows that IBM Notes is typically used to automate. Items represent the content of a note. Every item has a name, a type, and may have some flags set. A note can have more than one item with the same name. Flags are used for managing attributes associated with the item, such as read or write security. Items in design notes represent the programmed elements of a database. For example, the layout of an entry form is stored in the rich text Body item within a form design note. Items in document notes represent user-entered or computed data. An item named "Form" in a document note can be used to bind a document to a form design note, which directs the IBM Notes client to merge the content of the document note items with the GUI information and code represented in the given form design note for display and editing purposes. However, other methods can be used to override this binding of a document to a form note. The resulting loose binding of documents to design information is one of the cornerstones of the power of IBM Notes. Traditional database developers used to working with rigidly enforced schemas, on the other hand, may consider the power of this feature to be a double-edged sword. IBM Notes applications development uses several programming languages. Formula and LotusScript are the two original ones.

LotusScript is similar to, and may even be considered a specialized implementation of, Visual Basic, but with the addition of many native classes that model the IBM Notes environment, whereas Formula is similar to Lotus formula language but is unique to Notes. With Release 5, Java support was greatly enhanced and expanded, and JavaScript was added. While LotusScript remains a primary tool in developing applications for the Lotus Notes client, Java and JavaScript are the primary tools for server-based processing, developing applications for browser access, and allowing browsers to emulate the functionality of the IBM Notes client. As of version 6, Lotus established an XML programming interface in addition to the options already available. The Java toolkit is the least mature of the three and can be used for basic application needs. Database[edit] IBM Notes includes a database management system but IBM Notes files are different from relational or object databases because they are document-centric. Document-oriented databases such as IBM Notes allow multiple values in items fields , do not require a schema , come with built-in document-level access control, and store rich text data. IBM Domino 7 to 8. Whereas the temptation for relational database programmers is to normalize databases, Notes databases must be denormalized. RDBMS developers often find it difficult to conceptualize the difference. Since Lotus Notes 8. The benefits of this data structure are: No need to define size of fields, or datatype; Attributes Notes fields that are null take up no space in a database; Built-in full text searching. No relevant configuration settings are saved in the Windows Registry if the operating system is Windows. Some other configuration options primary the start configuration is stored in the notes. Use as an email client[edit] IBM Notes is commonly deployed as an end-user email client in larger organizations, with IBM claiming a cumulative million[citation needed] licenses sold to date. When an organization employs an IBM Domino server, it usually also deploys the supplied IBM Notes client for accessing the IBM Notes application for email and calendaring but also to use document management and workflow applications. As IBM Notes is a runtime environment, and the email and calendaring functions in IBM Notes are simply an application provided by IBM, the administrators are free to develop alternate email and calendaring applications. It is also possible to alter, amend or extend the IBM supplied email and calendaring application. There are several spam filtering programs available including IBM Lotus Protector , and a rules engine allowing user-defined mail processing to be performed by the server. Comparison with other email clients[edit] IBM Notes was designed as a collaborative application platform where email was just one of numerous applications that ran in the Notes client software. These two factors have resulted in the user interface containing some differences from applications that only run on Windows. Furthermore, these differences have often remained in the product to retain backward compatibility with earlier releases, instead of conforming to updated Windows UI standards. The following are some of these differences.

Chapter 3 : Home - IBM Collaboration Solutions

Lotus Notes Training and Tutorials. Learn how to use Lotus Notes, from beginner basics to advanced techniques, with online video tutorials taught by industry experts.

They give you different experience on trying out according to your interests and hobbies. And they can assure your success by precise information. You can choose the one which is your best suit of our Learning Mode study materials according to your study habits. Friends or workmates can also buy and learn with our Learning Mode practice guide together. CLP Never stop challenging your limitations. Building the Infrastructure Learning Mode exam questions have helped tens of thousands of candidates successfully pass professional qualification exams, and help them reach the peak of their career. If you want to find a desirable job, you must rely on your ability to get the job. Now, our Valid Test Dumps Materials training materials will help you master the popular skills in the office. But if the clients buy our Learning Mode training quiz they can immediately use our product and save their time. And the quality of our exam dumps are very high! When you decide to pass the Learning Mode exam and get relate certification, you must want to find a reliable exam tool to prepare for exam. That is the reason why I want to recommend our Learning Mode prep guide to you, because we believe this is what you have been looking for. Moreover we are committed to offer you with data protect act and guarantee you will not suffer from virus intrusion and information leakage after purchasing our Learning Mode guide torrent. The last but not least we have professional groups providing guidance in terms of download and installment remotely. I think with this certification, all the problems will not be a problem. However, to pass this certification is a bit difficult. This provides which of the following features? This blocks email from being forwarded to adjacent domains. This help you validate your choice of host name for receiving authentication requests. This scans group member lists to ensure that each member exists in an available directory that is configured in directory assistance. Which one of the following is referenced when a domain search is made?

Chapter 4 : IBM Domino for i: Installation and upgrade - United States

Lotus Domino Administration A Comprehensive Training. Lotus Domino Administration A Comprehensive Training. What you'll learn By the end of the course.

The top of the back-end class hierarchy is the NotesSession class. This is indicated in the classes chart by the fact that there are arrows going only from the NotesSession box, there are no arrows going to it. Click on the NotesSession box in the chart to open the Designer Help document on that class. As stated in the Designer Help, the NotesSession class "Represents the environment of the current script. Although there are exceptions, most back-end LotusScript code will start with creating a NotesSession object, which provides the context and starting point for getting to any of the other back-end classes. From the NotesSession class, we are able to get to the NotesDatabase class and several other classes -- all the ones listed as being contained by the NotesSession class. By navigating our way through the classes, we can get to everything that is available in the back-end Domino object class model. To declare a NotesSession object, we use a Dim statement. This statement declares an object variable named "sess" as a NotesSession object: Dim sess As NotesSession This just declares the variable, it does not set it to anything. At this point, our NotesSession object variable named "sess" is just a blank, or empty, reference that is created for the purpose of holding a NotesSession object. To set the object to an actual NotesSession, we have to do something in our code to make that happen. As you will see a little later, many objects are set by getting them from or through an object we already have. You can get a NotesDocument object through a NotesDatabase object, for example. For this, there is the "New" keyword in LotusScript. As in many programming languages, the keyword "New" is used to call a constructor, meaning that it executes code to construct, or create, an object. Some, but not all, the Domino classes allow the use of "New" in this way. To create the object reference for our object variable "sess", you can use the "Set" statement to set the object reference, and the "New" keyword to create the object. To do this after first declaring the object variable, the code would look like this: This is also called instantiating the object. At this point, we have a NotesSession object referenced by the "sess" variable, and can use the properties and methods of the NotesSession class with that object reference named "sess". LotusScript also allows us to declare and set the NotesSession object variable with one line of code. Dim sess As New NotesSession This one line does exactly the same thing as the two lines in the previous code example. Find the NotesVersion property, and click on it to open the document on that property. It provides the version of Notes that the current script is running in. Note the "Data Type" section, that shows that this property returns a string data type. That means the informational value this property provides, or returns is in the form of a text string. Also note that it says that this property is "Read only". This means that this property of the NotesSession class can be used to get the information about the Notes or Domino version that the current script is running in, but it cannot be used to set it. Another property of the NotesSession class is the UserName property. This property is used to get the name of the user who is running the code. Note that if the agent is running on a server, such as in the case of a scheduled agent, this returns the name of the server it is running on. The property is also read-only. Most of the properties of the NotesSession class are read-only, because there is not much about the Notes session that can be changed. We will look at class properties that are not read-only when we look at other Domino object classes. An example of a method of the NotesSession class is the GetDatabase method. Find and open the Designer Help document on this method. GetDatabase method provides the ability to get a database by providing the name of the server that the database is on and the file name of the database as parameters, or arguments, of the method. There is a list of the suffix characters that can indicate the data type of parameters or variables in Designer Help, but the topic is somewhat hard to find. Scroll down to the bottom of the document and click on the link "Integer data type". At the bottom of the "Integer data type" document,click on the link "About data types" to open the document containing the list of data type suffixes. Go back to the document on the GetDatabase method, and notice that there is a third parameter for this method called "createonfail". This parameter is optional, which is indicated by the square brackets around it in the syntax for the method, and also with the word "Optional" in the description of the parameter. This means that

it is OK to just leave this parameter out if you do not want to use it. The "createonfail" parameter for this method is a Boolean, meaning that it can be "True" or "False". When using Booleans, the words "True" and "False" do not have quotes around them in the code. The default is "True", which specifies that if the database that you specify with the first two parameters server name and database file name cannot be opened or does not exist, the NotesDatabase object variable will be set by this method anyway. This does not mean that the database file will be created, it just means that a NotesDatabase object will be created in memory; it will exist only while the code is running. Back to top Video: Part 9 4 min 47 sec Another class we are going to need to work with in our sample agent is the NotesDatabase class. The database is the container for all data in Notes and Domino, so you can expect to be using this class a lot. An example of a property of the NotesDatabase class is Title, which provides access to the title of a database. In Designer Help, click on the Title property in the list of properties for the NotesDatabase class to see the documentation for it. Note that this property is "Read-write". This means that not only can the property be used to get the current title information of the database, but it can be used to change the title of the database as well. Also look at the "Usage" section of the document for the Title property. It states that "A script cannot change the title of the database in which it is currently running. The "Usage" section of the documentation on the Domino classes and their properties and methods often contain important information about using that class, method, or property. Reading this section of the Designer Help documents can save a lot of time when learning to write LotusScript code. A useful method of the NotesDatabase class is the CreateDocument method. Look at the document in Designer Help on this method. Note that this method is used to set a NotesDocument object variable. This means that it not only creates a new document in the database, it sets a NotesDocument object variable that you can use to then work with that document in your LotusScript code. The document this method creates is just a blank document. It contains no fields and uses no form at this point. You have to create all the fields, including the "Form" field, in the document in subsequent lines of code. By now you should be getting a pretty good feel for how to use the Designer Help database to find the information you need about the classes that are available in LotusScript, and the properties and methods of each class. You can use this when writing LotusScript code to find a way to do something that you want your code to do, and details of how to write the code to do it using that class method or property. To declare a NotesDatabase object variable, you use a Dim statement: A couple of them are: To use a property or method of a class in LotusScript, you first have to specify what object variable of that class you are using that property or method on, which in this case is a NotesSession object variable "Session". Then you use a dot period , and then the property or method of that class that you are using. This is called "dot notation". Part 10 3 min 28 sec It is time to use what we have learned so far to start to write our LotusScript agent. Earlier, we created our agent named "Update Locations", but did not put any code in it. Now that we know a little bit about the NotesSession and NotesDatabase classes, we can use that knowledge to start writing the code for our agent. So with the database open in the Designer client, under Shared Code click on Agents, and we see our agent on the right part of the screen. Double-click the "Update Locations" agent to edit it, and since we have already set the Agent Properties we can close that dialog box. In the Objects pane, click on Initialize. This is where the code for the agent will go. These mark the beginning and the end of the subroutine named Initialize. All the rest of the code for this sub will go between these two lines. First, we need a NotesSession to give us the context in which to work in the back-end LotusScript realm. We get this by declaring and instantiating a NotesSession object variable, which we can do with one line of code: So we will need to declare a NotesDatabase object variable: Dim db As NotesDatabase Now we have to think about how we are going to set this NotesDatabase object variable to the database we need to work in. As we saw in the NotesDatabase class documentation in Designer Help, there are several ways to set a NotesDatabase object variable to a database. In this case, we are creating our agent in the same database that we are going to modify the documents in, which is a very common practice. So it makes sense to use the CurrentDatabase property of the NotesSession class, like this: CurrentDatabase So at this point, we have the first three lines of our LotusScript code: CurrentDatabase Your agent should look like this: The agent is going to process the documents that appear in a certain view in the database, so next we will look at working with Notes database views in LotusScript. Part 11 7 min 02 sec A common practice with LotusScript agents is to

write an agent to process the documents that are in a particular view in a database. A view provides a convenient way to have an agent operate only on documents that meet a certain criteria, because a view selection formula specifies what criteria a document must meet to appear in that view. Often an agent will be written to use a view that already exists in the database, which was created for users of the database because it organizes the documents in a way that makes it easy for them to find the documents they need to work with. If an existing view contains the documents that an agent is going to work on as well, then it makes sense to have the agent use that view too. In some cases, however, it is efficient to actually create a view just for an agent to use, because we can create a view selection formula to include the documents that we want an agent to process. In this case, there is already a view in our database that displays all the service request documents, which are the documents we are interested in processing. We actually only want the agent to modify the documents that are for the south region, so we could create a new view that displays only service request documents that have the value "South" in the "Region" field, and then just have the agent process all the documents in that view.

Chapter 5 : IBM Lotus Domino | QA

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Check here to start a new keyword search. Watson Product Search None of the above, continue with my search Domino 8. Content This technote refers to Domino 8. Follow the steps below to install Domino 8. Refer to Installing and Managing Domino 8 for System i http: End servers and Remove Domino 8. After all Domino 8. It may take several minutes for the server jobs to end. After the servers have ended, it may still be necessary to end the Domino 8. Prepare to remove Domino 8. Install required software and system fixes Check that your system is up-to-date with required software and system fixes along with the latest cumulative and group PTFs. Note in particular that this release of Domino requires a new version of Java to be installed. Refer to the following technotes for the latest information. What system fixes are required? Mandatory program conversion occurs during install on IBM i 5. Refer to the Program Conversion technote for more information and plan for additional time for installation on IBM i 5. Use one of the methods below to install the product. Object has a signature that is no longer valid. After the installation of Domino has completed, the system value may be changed back to a more restrictive setting. You can save the additional network time by copying the setup. EXE file to launch the installation setup wizard. Since the Domino 8. HTML - Sources of documentation for the release. The C API is not multi-version capable. Follow the instructions below to install Domino using either the Installation Wizard setup. Be aware that additional time up to 2 hours or more is required for program conversion of Domino in selected install and upgrade scenarios. See the technote Domino 8. Program Conversion for more information. EXE to launch the installation wizard. Follow the panels provided to install Domino. For example, create a library to contain the save files and then create save files for each option, as follows: For example, issue these commands from a PC command prompt: You can use these commands to verify the save files have been transferred correctly: When installing the Domino server option 10, 11, 12, Read the license agreement and then press FAccept to accept the license and continue the installation. Otherwise, you will receive an error stating that LNG objects for the product were not found in the save file. Program conversion is not required when installing Domino from the media provided.

Chapter 6 : What is Lotus Domino? - Definition from Techopedia

Learn About IBM Lotus Notes Domino 8 Posted on October 27, by cmadmin These questions are based on IBM Lotus Notes Domino 8 Application Development Intermediate Skills.

Chapter 7 : IBM Notes and Domino wiki : Learning Lotus Notes clients

However, it can be executed from a Web browser; when this occurs, the Web Agent runs in the back end on the Lotus Domino server. Although you can use LotusScript to write an Event, Hotspot or Action element, you cannot use LotusScript with these design elements when you are using them in a Web browser.

Chapter 8 : IBM Developer : ibm lotus notes domino administration tutorial

The Lotus Learning Widget has been updated to include more learning materials and enhanced filtering to make it easier for you to find learning materials that are just right for what you are doing. Add online meetings in IBM Notes.

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