



10:18:46 PDT

Question: Can we have connections managers used by more than one Project/Solution?

Answer: No, they can be used by multiple packages in one solution. Not across projects.

10:21:37 PDT

Question: what about using replication to start the data warehouse?

Answer: That is possible. But often you want to transform data going to the data warehouse. Or the data is coming from several sources, and combined and aggregated or so.

10:22:19 PDT

Question: is connectivity to teradata db available in the oledb data sources?

Answer: If there is a driver, you can connect to it. (For TeraData there is.)

10:24:29 PDT

Question: Which provider should I use to connect to SQL Server? which one is the best, and give a better performance?

Answer: Depends.... For data source the OLEDB provider is recommended. For the target you can either use the OLEDB or the Native SQL connection. For really fast loading the native one used to be the fastest one. But in SQL 2012 it really doesn't matter all that much.

10:27:31 PDT

Question: If I have a huge table to load to my DWH, what do you recommend, transform the data in SSIS or create a Stored procedure to do it?

Answer: What's huge? T-SQL is generally speaking not nearly as fast as SSIS. SSIS further gives you the opportunity to do stuff parallel. Further enhancing the throughput.

10:28:34 PDT

Question: Hi i just posted in twitter, that my cxcostfree package (german related) also contains a ready timetable for SQL Server from 1990 to 2100 with all sorts of that Infos <http://sql-insider.de/nuetzliche-mas-ken-und-programme-/index.php>

Answer: Thanks for the info, Klaus!

10:29:58 PDT

Question: Any idea, how good is MS OLE DB Oracle Driver? That's the thing holding us from using SSIS is performance when used with Oracle

Answer: It really shouldn't matter. The performance should be hardware bound. So if you have a 10Gbit connection between your SSIS server and Oracle server you should see around 500MB/s data throughput. If it is a lot less, there might be something wrong with the indexing or plan chosen on Oracle. I'm not aware of any problems with the drivers to Oracle.



10:32:05 PDT

Question: Microsoft has a Teradata connector you can download. <http://www.microsoft.com/en-us/download/details.aspx?id=29284>

Answer: Thanks for the info, JSmalley!

10:34:31 PDT

Question: What about multi-table data source, you just add those tables to the same block (source)

Answer: In Multi-table sources you usually do the join on the source db. You can also do it in SSIS, but that adds a performance penalty. So you simply write a query on the data-source that retrieves the data you need.

10:36:55 PDT

Question: Can fact tables, dimension tables, and cubes be imported to SQL 2012 from previous versions (SQL 2007)?

Answer: Yes

10:43:40 PDT

Question: I may have missed it. What SQL version was Change Tracking introduced in, was it 2008 Enterprise as well?

Answer: Yes it was introduced in SQL 2008 Enterprise. SSIS had no connectors to it back then.

10:44:21 PDT

Question: does change tracking add to current load on the server?

Answer: Yes it does. Not as much as change data capture but it still has a little overhead.

10:44:42 PDT

Question: Using Snapshot Isolation Level is a must when working with Change Data Tracking ?

Answer: No

10:46:05 PDT

Question: Do you think enabling CDC against an SCCM 2012 database would cause problems with SCCM? I mean, it's transparent to underlying apps, right?

Answer: It depends. It might not be smart on tables with lots of modifications going on, because of the overhead. On the other hand: if your hardware is capable of handling it, why not? Just measure it and test it.



10:47:07 PDT

Question: would using change data tracking be more efficient than triggers to generate an audit table?

Answer: far more efficient. Inserts in triggers is generally speaking not the best idea, when talking performance.

10:47:46 PDT

Question: Is it possible to get the scripts in the demo?

Answer: We hope to have the scripts onto the MVA site next week.

10:57:49 PDT

Question: I'm not sure of the purpose of a time dimension when you can have a datetime column. Is there really such a performance benefit when you can search on "first quarter" rather than set date parameters?

Answer: Not Always a performance benefit. But creating reports with date filters is a lot easier.

11:06:40 PDT

Question: Another useful item of the time dimension over straight time field is for alternate day formats. In the hotel industry a business day is typically Noon to Noon. Having a time dimension that has a day offset by 12 hours can be helpful so that clock times of records can be left intact.

Answer: Great info...thanks Rodd!

11:07:20 PDT

Rodd H. posted: Will this presentation be available for download with the scripts? I will not be able to stay to the end of it, and would like to finish it on my own.

Answer: Yes, we'll post the recordings in about two weeks on MVA.

11:10:15 PDT

Question: I'm a little surprised this slide says you should sort inside the data source wherever possible. I thought the same thing - sort inside SQL Server - but Brent Ozar says the opposite and that you should almost always sort in your applications instead. It seems like a contentious issue.

Answer: Sorting in SQL or whatever data source gives you the opportunity to use indexes. That will be fast, and memory efficient. When you sort in SSIS, it will cost an awful lot of memory depending on the size of the set.

11:25:30 PDT

Question: @Cody Konior, related to the sorts. It depends on the usage. If you will retrieve the data for presentation in front end application, than you retrieve relatively small amount of data and it is good to sort it on the application side. The ETL is opposite. You can transfer tens or even hundreds of millions of records and when sorting in SSIS all those records needs to be loaded into memory for sorting. Here is much better to rely on the database engine.

Answer: Sharing



11:58:30 PDT

Question: thanks

Answer: Free toolkit - SQL Server Metadata Toolkit MSDN's SQL 2005 tool kit updated to 2008 for managing metadata in SQL Server Integration Services, Analysis Services and Reporting Services using built-in features including data lineage, business and technical metadata and impact analysis. I haven't personally used this tool but have heard good things about...<http://pragmaticworks.com/Products/BI-Documents>

12:57:56 PDT

Question: I'd like to request that instructors take a few minutes at the end of each section to answer questions... none have been answered so far. Thanks.

Answer: Hi Kurt, sorry we're not able to answer all the questions. Unfortunately, the guys need the full hour to cover the upcoming topics. However, they are going to stay online after the event is done and answer the questions in the queue.

13:02:54 PDT

Question: Probably not enough time to answer all the questions that are out there. I'm sure they're on a fixed timeline...

Answer: You're right; they can't answer them all, but they will try and get through as many as they can. They want to help!

13:08:54 PDT

Question: what is the voucher code ?

Answer: Q: Can I earn MVA Points for attending this Jump Start event? A: Yes, you can! Follow these steps to be awarded 50 MVA Points! (1) Visit <http://aka.ms/MVA-Voucher> (2) Be sure you're signed in (new users will need to register) (3) Enter the following voucher code*: DWSQL *This offer expires on 11/19/2013

This is also found in the FAQ pane of the chat window

13:16:16 PDT

Question: How can I use a for each loop to bring a group of databases, no tables but databases, from one server to another. Can I do for other than sql server databases?

Answer: Probably. Just execute a move database package from within the for-each loop. And use a variable for the database name. You can do this for any rdbs, as long as you can create a generic package for it.

13:26:01 PDT

Question: For SQL Server, you could use the Move database task in SSIS or create your own task that: iterates through sysdatabases, drop all connections, detaches .mdf files, copies files to target server, attach databases, verify attachment was successful.

Answer: Great info...thanks Ansonne!



13:34:44 PDT

Question: Just an FYI, if you have issue using SSIS that can be explained in 140 characters using hashtag "ssishelp" on Twitter can help to point you in the right place for things. As well dba.stackexchange.com have a good bit of folks that monitor for SSIS questions to help out, whether it is an issue or just understanding concepts.

Answer: Thanks for the great tip, Shawn!

13:47:59 PDT

Question: Elise, can you please let us know which link in the FAQ page for the scripts, I can not find it on this page, there slides, presentations but not link to scripts and samples

Answer: You will need to search for course 10775A, once you locate that, click the 1077A-ENU-Allfiles.exe link and it will open a self extracting file that contains all the scripts that are being used in these demos. This will extract to a default location of C:\Program Files\Microsoft Learning\10777-8\Allfiles\10777A.

In there you can find labfiles and demo files.

13:52:58 PDT

Question: I think the definition of the Supported option on the slide is incorrect. The slide says that Supported joins an existing transaction or starts a new one. I believe that Supported will never start a new transaction but only joins an existing transaction if one exists.

Answer: Thanks Brian. You are correct; there was an error on the slide. Sorry about that!

13:55:04 PDT

Question: I'm trying to find the Microsoft SQL Server 2012 download link and the pdf files for this session too.

Answer: For SQL Server, the trial edition is here, <http://www.microsoft.com/en-us/sqlserver/get-sql-server/try-it.aspx> and the PDFs for this session will be made available when the recording is posted approximately 2 weeks from now.

13:59:00 PDT

Question: Elise : I need to know how can i download SSIS , Because the Setup Doesn't Contains That

Answer: Loai, the setup for what? SSIS is part of the SQL Server install as an option during the setup program. You can use SQL Server Installation Center to add components to SQL Server which will allow you add Integration Services.

SSIS is found under the Shared Features section for the feature installation.

14:00:13 PDT

Question: Gerry: 10777A does not exist in FAQ. Which link should be used to search 1077A-ENU-Allfiles.exe?

Answer: The link should be added to the FAQ already but if not, here it is <http://www.microsoft.com/learning/en-us/companion-moc.aspx>



14:00:36 PDT

Question: Elise : I need to know how can i download SSIS , Because the Setup Doesn't Contains That

Answer: SSIS is one of the installable features of the SQL Server product. You can go to <http://www.microsoft.com/sqlserver> and download a trial edition that is time limited.

14:04:08 PDT

Question: SSIS is part of SQL Server 2012 install - not a separate third party tool

Answer: No it's part of the product.

14:08:09 PDT

Question: I Cant Find SSIS in the Features To Add it to the instance

Answer: Which version are you using?

14:09:29 PDT

Question: SQL Server 2012

Answer: Enterprise? Standard? Developer?

14:11:12 PDT

Question: how can i know ? i remember i download it for free from the microsoft SQL

Answer: SELECT @@VERSION in SSMS

14:15:46 PDT

Question: should the version matter? As long as they run SETUP.EXE. the option to install SSIS should appear in the install menu...

Answer: Express Edition doesn't have SSIS

14:16:12 PDT

Question: Microsoft SQL Server 2012 (SP1) - 11.0.3128.0 (Intel X86) Dec 28 2012 19:06:41 Copyright (c) Microsoft Corporation Express Edition on Windows NT 6.1 <X86> (Build 7601: Service Pack 1)

Answer: Express Edition does not contain SSIS

14:19:16 PDT

Question: that means i cant dealing with SSI Anymore in the Edition m Even If i Dow nload it Seperatly

Answer: Loai, go to the SQL Server page on Microsoft.com and get the trial edition of Standard or higher edition if you want to try SSIS.

It still will not work in Express Edition and you only have a limited time with the trial edition, but at least you can try it.



14:40:48 PDT

Question: Is there a way to add these Live training events, into the Learning Plan on my personal MVA site?

Answer: That's a great suggestion! Currently we only have it enabled for the on demand recordings of the events. I will definitely pass your request along to the team.

14:54:22 PDT

Question: Thanks Matt. The reason I ask is it would be a great resource to show to our Managers of the training we are taking on our own, as part of our professional development. They are tight on money and can't send us to training centers or bootcamps, but many of us do online and free webinar training like this ...and having a way to document that and show to our managers ...would help with or career development.

Answer: I'd love to get your feedback on how we could improve our Dashboard page and our public profile pages as well. I've heard similar requests from managers too. Feel free to send me email mattcal@microsoft.com

14:59:07 PDT

Question: I missed what Richard said about recommending not logging to an SQL Server destination in production. Why was that? Just because it can generate a lot of data?

Answer: It's not so much that you don't want to log to SQL Server but consider picking a different instance of SQL Server than the instances involved in the ETL process.

15:10:45 PDT

Question: Your break slides list course 10778 as well as 10777. Does course 10778 also cover important material for the 70-463 exam?

Answer: For the exam coverage, please visit <http://www.microsoft.com/learning/en-us/exam-70-463.aspx> and look at the preparation options portion.

But for reference, no 10778 is not specific for exam 70-463. That book maps to exam 70-466.

15:11:39 PDT

Question: HOW DO I ORDER BOOKS

Answer: AHMED, GO HERE <http://shop.oreilly.com/product/0790145345219.do>

15:14:55 PDT

Question: <http://aka.ms/ssis> this site says 404 file or directory not found

Answer: Link is this: <http://aka.ms/ssis2012>

15:50:46 PDT

Question: is this session recorded?

Answer: Yes, we will have the recording posted on MVA in about 2 weeks



15:54:18 PDT

Question: Will the Q&A also available for future reference?

Answer: Yes we post it with the recordings. But you will also be emailed a link to it after this session.

16:03:32 PDT

Question: Well, for that exercise Richard created a Knowledge Base from an existing Knowledge Base... How I can create one??? Do you have some best practices to do that???

Answer: The SQL Server 2012 comes with a sample knowledgebase that you can use to practice with. It contains some basic address data. If you wanted other knowledgebase data you either obtain it from an outside source like the Azure Marketplace or MelissaData, or, build the data yourself.

16:04:20 PDT

Question: Did they cover setting up MDS, and is MDS per database or for the whole SQL Server instance?

Answer: For whatever reason MDS is a feature that can be installed once per operating system, whereas DQS can be installed once per instance of the Database Engine.

the backup was performed.