

Re: WebServices and Datasets

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"So you think that passing a diffgram dataset to a webservice would be fine?

And if I call the GetChanges Method on the dataset that only the changes will be shown in the dataset and to pass that to the web service, correct? I

probably don't need to use a diffgram dataset, just a basic one will be fine. "

well ther GetChanges method creates a new dataset object with only rows and atbels with changed data.

"Now to make sure the remote database is updated with changes should I just create another webmethod that checks the database for inserts/updates and relays a message back to the rich client app? If so I would suppose their would be a way to create a custom event to fire when database has been updated. Should I write a separate method for this custom event to monitor the webmethod doing the ins/up's for completion? What design do you think I should use here? "

Thats a good question, this depends on the requirements of your application such as location, number of users, service level agreements, etc... As for the custom event to fire you will need to poll the database, supposedly with Sql 2005 there wiull be an easier mechanism to use to determine a change, but remember a web service is not really a part of an application. A web service can not notify a client a change as occurred unless the client is constantly polling it. Same way a web application can't tell a web browser a change as occured, the web browser must keep polling for the change. I suggest if you are looking to determine if any updates were made to the data. That you use a dattime stamp on the rows of data in your tables. Wehn you make your first query get a datetime stamp from the databse server (unless you know for sure that all the server clocks are synced up).

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Pull that datetime stamp down to the client, now when you make any updates/inserts, or just want to see if data has been refreshed. Send the datetime stamp up with the webservice call. ON the database, pull any records that have a datetime stamp greater than the one sent up from the client. Then pull just those records back and merge them with your dataset (DataSet.Merge()). If anyone has a better way using web services, please chime in.

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- **Follow-Ups:**
 - ◆ **Re: WebServices and Datasets**
◇ From: jjardine
 - **References:**
 - ◆ **WebServices and Datasets**
◇ From: JJ
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