

Re: federate several datasources

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Robert Klemme wrote:

> "Jean-Marc Vanel" <jmvanel@nospam.free.fr.removethis> schrieb im

> Newsbeitrag [news:Qh%td.2924\\$Of5.1971@nntpserver.swip.net...](mailto:news:Qh%td.2924$Of5.1971@nntpserver.swip.net...)

>

>>Hello

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>>I want to federate (aggregate) several physical datasources, each having
>>its JDBC driver.

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>>My idea is that this aggregator could be implemented as a special JDBC

>>driver or Connection

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> Basically you'll be implementing a complete database system in your

> driver, especially since you have to support transaction semantics etc.

> What do you do with DDL for example? How will you specify in which db a

> new table will be created etc.? Also creating joins from huge tables in

> memory will be difficult to handle for the VM and it could be quite

> imperformant. Are you sure you want that?

I'm afraid you're right, if one want to stick to the JDBC spec. for a driver. In fact my aim would be to replace the feature "federated data server" of DB2II. And it's true that it's built on top of DB2, a full featured database. I guess I should look at federation feature in open-source databases such as MySQL, PostGreSQL, but this is outside the scope of this newsgroup.

I found these two open-source Java frameworks that seem interesting. Daffodil might do what I want, but the configuration seems complicated.

Daffodil Replicator Daffodil Replicator is a powerful Open Source data replication tool that allows bi-directional data synchronization between heterogeneous databases – Oracle, SQL Server, Postgre SQL, Derby, Daffodil DB – supporting JDBC drivers, triggers and procedures.

C-JDBC – Clustered JDBC gives your applications a transparent (no code modification) access to a cluster of databases even if your database engines are not cluster-aware.

comp.lang.java.databases: Re: federate several datasources

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