THE FILLMORE GROUP
Relational Database Solutions

**Replication Questionnaire**

Please complete the table with a rating for each factor as it relates to your replication requirement(s), and answer the questions below the table as best you can. When in doubt, make notes on your concerns so that we can discuss. Thanks!

To schedule a follow-up discussion email the questionnaire to Frank Fillmore, frank.fillmore@thefillmoregroup.com

| Factor | (Low) | | Importance | | (High) |
|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 |
| **Low latency** | | | | | |
| **Ease of installation** | | | | | |
| **Ease of administration** | | | | | |
| **Quality of monitoring tools** | | | | | |
| **Price** | | | | | |
| **Cost of acquisition** | | | | | |
| **Cost of implementation, training, etc.** | | | | | |
| **Cost of maintenance** | | | | | |
| **Consistency of performance at peak transaction volumes** | | | | | |
| **Continuous availability - no outages** | | | | | |
| **Planned** | | | | | |
| **Unplanned** | | | | | |
| **Recovery - automated lossless restart** | | | | | |
| **Resiliency - automated lossless failover** | | | | | |
| **Schema evolution - ease of incorporating data model changes** | | | | | |
| **Conflict resolution** | | | | | |
| **Value-based** | | | | | |
| **Source-based** | | | | | |
| **Timestamp-based** | | | | | |
| **Application logic** | | | | | |
| **Vendor support for DB2** | | | | | |
| **Heterogeneous data sources/targets** | | | | | |

1. How does your organization currently address high availability?

2. Is there an SLA for latency of unidirectional (one-way) replication between your primary and target servers (e.g. 10 second, 1 second, sub-second). If so, what is it?

3. Do you plan to use bi-directional replication and if so what is the SLA for latency between servers (e.g. 10 second, 1 second, sub-second)?

4. What is the approximate data volume (in GB/TB) of the database(s) you would like to replicate?

5. What is the approximate hourly/daily transaction processing volume (INSERTs, UPDATEs, DELETEs) of the database you wish to replicate?

6. What will be the approximate distance between servers (in feet/miles)?

7. What type of connectivity will be in place between servers (LAN/WAN)?

8. What is the approximate bandwidth between servers (in Mbps/Gbps)?

9. Are you considering an architecture that incorporates peer-to-peer (n-way) replication where changes from each of more than two servers will move between all servers?