

TZDIST Quantitative Parameters

		Current	Anticipated after TZDIST Server is operational	Estimated Rate of Change
1	Size	22,388 bytes		
2	Freq of Access			
3	Freq of Update			
4	Required Response Time			
5	Required Uptime			

The above table is intended to stimulate conversation about the quantitative requirements for a proposed TZDIST server system for planning the architecture and operational requirements.

Columns

The “Current” column is to document the current operational parameters. I’ve filled in the size from the email thread.

The “Anticipated” column is an estimate of the parameters when the server system is made operational. Maybe the numbers will be the same as the current parameters, but perhaps it’s best to assume they will jump.

The Estimated Rate of Change column is an estimate, perhaps based on nothing more than a wild guess, as to how the parameters will change over time.

Rows

1. Size is the magnitude of the database in bytes or kilobytes.
2. Frequency of Access, in queries per minute or queries per second, characterizes the load on the servers.
3. Frequency of Update, maybe best measured in updates per month, characterizes the load on the update side of the system.
4. Required Response time, in milliseconds, will the capacity of the servers and, perhaps, their placement around the Internet.
5. Required Uptime will help structure the conversation about the needed levels of redundancy.

Caveat

The above is just a first guess at the relevant quantitative parameters. Add or modify as needed.