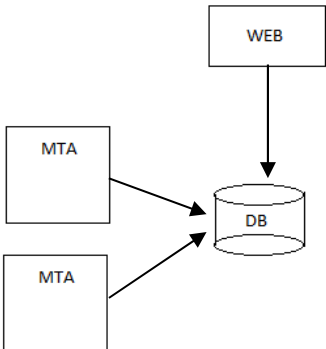
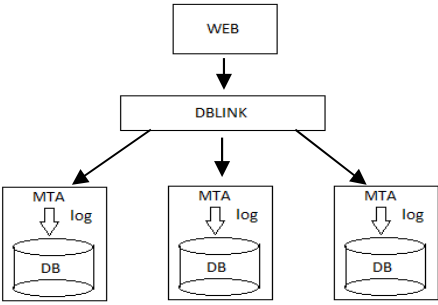


## Improved Email Logs Access

Spamina has incorporated an improvement for storing and checking email logs both for Spamina behaviour statistical and auditing purposes.

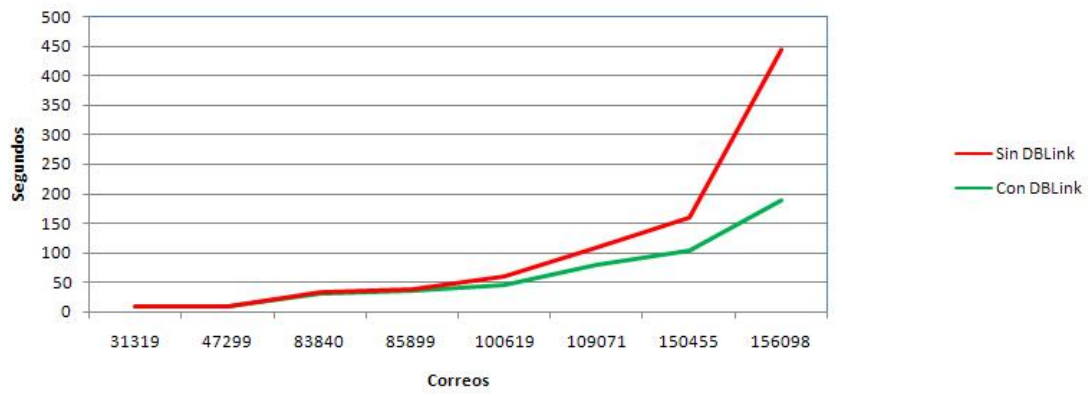
The solution introduced in the 3.3.1 version includes a federated database. This technology allows you to:

- Distribute data storage among several servers.
- Make queries from a central point.
- Present transparent information to the user.

3.3.0 Version	3.3.1 Version
	
<p><b>Centralised solution:</b> All text files generated by the MTA are interpreted and the data is extracted and loaded into a relational database to facilitate tracing queries.</p>	<p><b>Distributed solution:</b> The data extraction effort is properly distributed among several servers and a system is implemented that makes it possible to centralise the query information.</p>

The new architecture will improve tracing queries by 40% and there is no theoretical scaling quota.

When comparing this result to the one obtained from version 3.3.0 performance tests, it's obvious that the improvement is more noticeable as the volume of email increases. It's important to note that for insignificant amounts of email, the response times are similar to those obtained with the 3.3.0 version.



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