One benefit an organization can see through optimizing its database or databases includes reduced resource requirements for the database to run at maximum performance. Another benefit an organization can gain from this optimization is an increased usability of the system for its users. A final benefit of the optimization I will mention is enhanced security controls for the database and its connected systems. Each of these is vital to conduct efficient, profitable business while also maintaining safe, secure database practices.

Unfortunately, optimization is not a process that can be done only once and forgotten about until the end of time. It must be repeated on a regular basis. As new data is added to or removed from the database, there will always be errors that eventually spring up which must be accounted for. Additionally, technology changes over time and there are new languages or devices that can further increase the performance of the database but require new optimizations to function properly. Another reason for continued optimization is security practices and protocols are ever changing as well. The best practices of today may no longer be adequate to keep your systems data safe in the future and must be updated to account for these advanced threats.