



Additionally, Unicode covers hundreds of international character sets. You could enter an English or other European-language search, a double-byte character Chinese, Japanese or Korean search or a right-to-left Hebrew or Arabic search. Beyond words, there are Unicode mathematical character sets, for example. And you can also search for emoji – smiley face 😊

Also beyond words, you can search for hash values. Each document and each email has a unique hash value associated with it that acts as a forensics-oriented fingerprint for that file. The application can automatically generate hash values for all documents and emails. Then the application can search for those hash values as part of a search request, or simply display them in search results as part of an unrelated search request.

dtSearch instantly searches terabytes by first building an index across the dataset. Indexing works as an internal guide, storing each unique word and number and the location of both. After indexing, individual searching or even multithreaded concurrent searching is typically instantaneous. Online searching can operate in a completely stateless manner, meaning that there are no limits on the number of concurrent search threads that dtSearch can process at once.

Indexing is easy. Just point to the directories you want to index, and the software will do the rest. No need to tell dtSearch what type of data you have. The software will on its own automatically recognize and work with PDF files; Microsoft Word, Access, Excel, PowerPoint, OneNote files; popular email formats; and even compressed email attachments.

Each index can hold up to a terabyte of text consisting of words and numbers. There are no limits on the number of terabyte-size indexes that dtSearch can automatically build and search across. While indexing itself can take some time, after indexing, even high-volume concurrent search across terabytes can operate instantly.

dtSearch has enterprise and developer products that run “on premises” or on cloud platforms to instantly search terabytes of “Office” files, PDFs, emails along with nested attachments, databases and online data. Because dtSearch can instantly search terabytes with over 25 precision search options, many dtSearch customers are Fortune 100 companies and government agencies. But anyone with lots of data to search can download a fully-functional 30-day evaluation copy from [dtSearch.com](http://dtSearch.com)

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