

Making It Store Offline Data



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Overview



- Introduction to Offline Storage
- Introduction to IndexedDB
- Saving Text with IndexedDB
- Retrieving Data with IndexedDB

3 Offline Storage APIs



Cookies



LocalStorage



IndexedDB

LocalStorage vs. IndexedDB

- LocalStorage API

Text only
Synchronous
Limited to 5MB
Simple

- IndexedDB

Stores objects
Asynchronous
Unlimited storage
Complicated

IndexedDB Key Points



- Indexed Table System
- Works Online or Offline
- Objects are Indexed with a Key

IndexedDB Browser Support

IndexedDB - REC

Method of storing data client-side, allows indexed database queries.

Global

64.82% + 18.04% = 82.86%

unprefixed:

64.74% + 17.78% = 82.51%

Current aligned

Usage relative

Show all

IE	Edge [*]	Firefox	Chrome	Safari	Opera	iOS Safari [*]	Opera Mini [*]	Android Browser [*]	Chrome for Android
			29						
			49					4.3	
			50					4.4	
8	¹ 13	47	51			² 9.2		4.4.4	
¹ 11	¹ 14	48	52	² 9.1	39	² 9.3	all	51	51
		49	53	10	40				
		50	54	TP	41				
		51	55						

Steps for Working with IndexedDB



1. Open a Database
2. Create an Object Store
3. Start a Transaction and Request an Operation
4. Wait for the Operation to Complete
5. Do Something with the Result

Demo



- Inserting into IndexedDB

Demo



- Disabling Caching

Demo



- Storing Form Data in IndexedDB

Summary



- Using Offline Storage
- Saving Data with IndexedDB
- Saving Form Data with Dexie
- Retrieving Data from IndexedDB