Offline Storage

Storage that works like you do.

Access data from anywhere, at any time, even offline

Ionic Offline Storage lets you store, access, and manage your data locally — on a mobile or desktop device — with zero hassle. Complete with built-in security, blazing-fast performance, and full offline access to that data.

Why Offline Storage

BUILD DATA-DRIVEN APPLICATIONS	Store, access, and manage data on mobile or desktop devices. Quickly retrieve and update data with our performance-optimized querying engine, managed entirely with JavaScript.
DELIVER OFFLINE MOBILE AND DESKTOP EXPERIENCES	Enable users to store and access data without a network connection. Keep data in sync with full support for online and peer-to-peer data replication, and intelligent conflict resolution
SECURELY STORE AND ACCESS DATA ON-DEVICE	Prevent data loss by securely storing data on-device, using 256-bit AES full database encryption. Connect to remote Couchbase instances for simple, secure online data syncing

Key Features & Benefits

FEATURE	BENEFITS
Offline Storage Data is stored on the local filesystem – outside the browser environment – and can be managed independently of the Ionic Storage solution	Your mobile apps always work and are always responsive – regardless of network connection.
On-Device Data Encryption Data secured on device using 256-bit AES full database encryption.	Sensitive data is protected and kept securely on the device.
NoSQL Query Engine Build powerful, data-driven apps entirely with JavaScript, without writing any SQL.	JavaScript interface means easy data querying without writing complex SQL, and provides better query performance than traditional SQL databases.
Peer-to-Peer Sync Support Synchronize data directly from device-to-device via peer-to-peer	Keep data in sync across peer devices, with no need to access the cloud.
Cross-Platform Deployment Works on mobile and desktop. Supported on iOS, Android, and Electron.	Deliver offline-first, data driven user experiences across the devices and platforms your users care about.

Cloud Data Sync Powered by Couchbase

Offline Storage easily integrates with Sync and Couchbase Server 6.0+, so you can easily connect and sync mobile data to your online Couchbase instances. This integration includes:

Data Replication: Keeps data up-to-date between online and offline sources

Conflict Resolution: Automatic conflict detection and resolution maintains data integrity by correctly resolving any conflicts during replication

Delta Sync Support: Replicate only the parts of the Couchbase doc that have changed, saving network bandwidth and improving throughput

Learn More

Offline Storage is available as part of Ionic Enterprise. To learn more about how Offline Storage can help protect your users' data and offer a premier offline experience, get in touch with one of our team members at sales@ionicframework.com.

Ready to explore how **Ionic Enterprise** can help your organization build critical apps, faster?

Contact us!

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