Local storage options

SQFlite

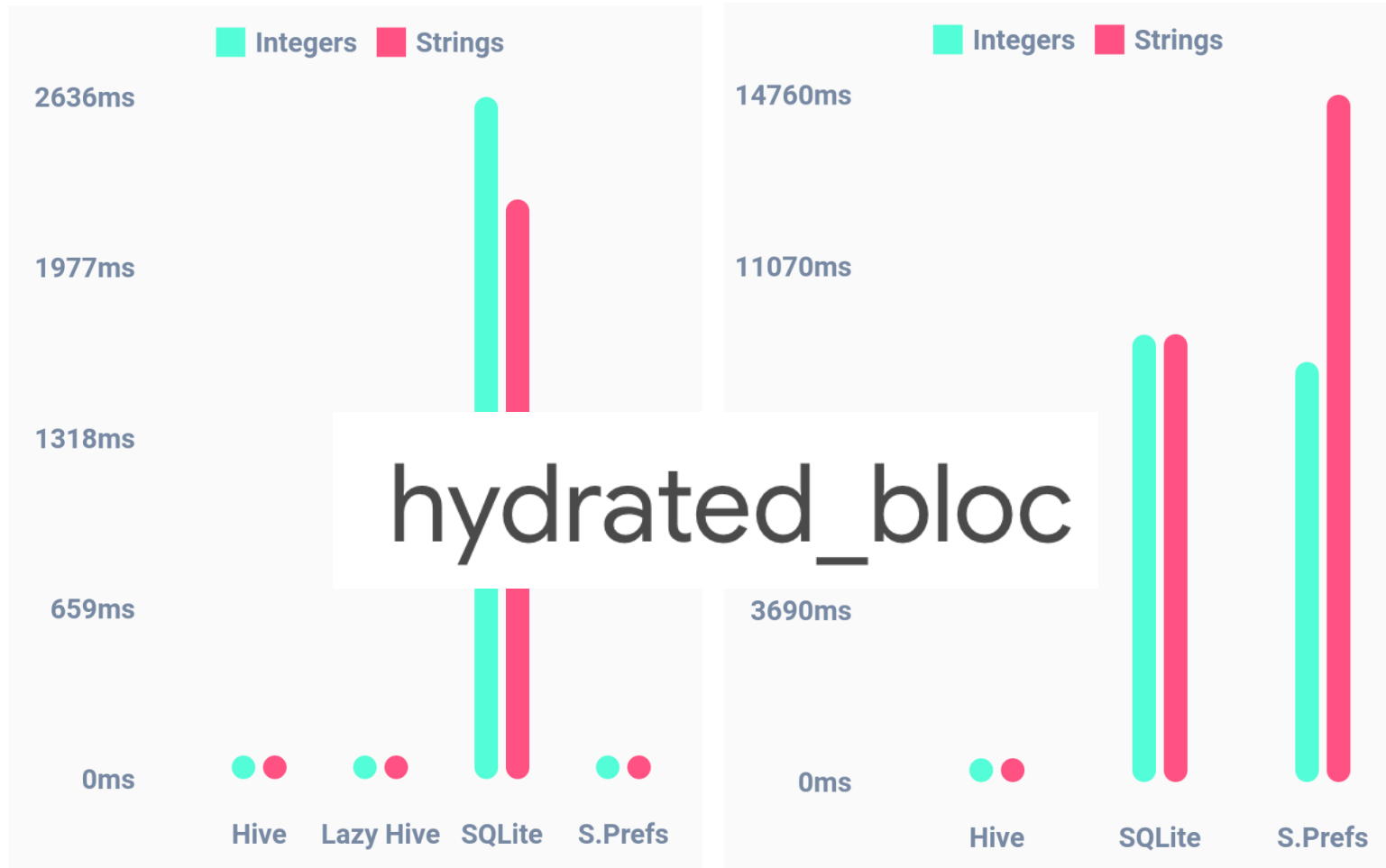Shared Preferences

Hive

...

1000 read iterations

1000 write iterations

■ Integers ■ Strings

■ Integers ■ Strings

2636ms

14760ms

1977ms

11070ms

1318ms

hydrated_bloc

659ms

3690ms

0ms

0ms

Hive   Lazy Hive   SQLite   S.Prefs

Hive   SQLite   S.Prefs

SharedPreferences is on par with Hive when it comes to read performance. SQLite performs much worse.

Hive greatly outperforms SQLite and SharedPreferences when it comes to writing or deleting.

Your Dev Edge YIDE

hive
hive_flutter

In main.dart

```
void main() async {
  await Hive.initFlutter();
  await Hive.openBox('todos');
}
```

ApplicationDocumentDirectory

Somewhere else in the app

```
final todoBox = Hive.box('todos');
```

read

```
final value = todoBox.get('id-1');
```

write

```
todoBox.put('id-2', {'id': 'id-2', 'desc': 'Wash the dish', 'completed': false});
```

delete

```
todoBox.delete('id-1');
```

update

```
todoBox.put('id-2', {'id': 'id-2', 'desc': 'Clean the room', 'completed': false});
```

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length

```
todoBox.length => int
```

keys

```
todoBox.keys => Iteratble
```

values

```
todoBox.values => Iterable
```

Box types

Box

Lazy Box

Encrypted Box