

How to cache data with getters and setters in Apex?

Getters and Setters can be great tools for caching data in Apex.

What can be cache?

- Static data such as object metadata or user profiles
- Sets and Maps
- Results of SOQL queries
- Results of API callouts

While you can always use Platform Cache, for straightforward use cases, getters and setters may be more suitable.

Let's check an example



Sometimes, the information provided by the `UserInfo` class is not sufficient. You can easily add more information and cache it so that only one SOQL query will be executed.

```
public with sharing class CurrentUserInfo {
    public static User cachedUserDetails {
        get {
            if (cachedUserDetails == null) {
                cachedUserDetails = [
                    SELECT Id, Name, FederationIdentifier, ProfileId, UserType, AccountId
                    FROM User
                    WHERE Id = :UserInfo.getUserId()
                ];
            }
            return cachedUserDetails;
        }
        private set;
    }

    public static String getFederationIdentifier() {
        return cachedUserDetails.FederationIdentifier;
    }

    public static String getAccountId() {
        return cachedUserDetails.AccountId;
    }
}
```