

Creating a Shared-Experience Persistent App for ML1



Example of persistent landscape apps.

General:

- Headpose maps can be accessed by developers using Magic Leap's Persistent Coordinate frame (PCF) system, which relies on spatial anchors to map your landscape. This orients users on this new coordinate frame instead of the one where their initial position in space is mapped at (0,0,0).
- Magic Leap platform automatically synchronizes PCFs amongst users who are in the same space, so multiple users can see the same content in the same physical location.
- Every PCF has a unique ID.

<https://creator.magicleap.com/learn/guides/content-persistence-fundamentals>

C API Calls:

- Experimental
- PCF can only be called from the ML C API
- PCF requires PwFoundObjRead permission (requires user popup)

https://creator.magicleap.com/learn/reference/public/v0.22.0/CAP/group___persistent_coordinate_frames.html

Sample C API Example::

<https://creator.magicleap.com/learn/guides/c-api-tutorials-and-samples#PCF-sample>

Unity:

- Persistent content can be locally stored.

<https://creator.magicleap.com/learn/tutorials/persistence-unity-locally-stored-content>

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Sample Unity Example:

<https://creator.magicleap.com/learn/guides/sdk-example-persistence>