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Session Matchmaking Sample

To use the Session Matchmaking Sample you must be authenticated using the [EOS authenticate](https://dev.epicgames.com/docs/services/en-US/Interfaces/Auth/index.html). Once authenticated, you're ready to create a session.

Create Session

1. To use the sample you must first create a session. Click the CREATE NEW SESSION button to bring up a new dialog box:
![SessionMatchmaking_01.png](https://dev.epicgames.com/docs/services/Images/Samples/SessionMatchmaking/SessionMatchmaking_01.jpg)

2. Enter a name for your session.

3. Choose a Level attribute.

4. Enter the Max Players in the session.

![SessionMatchmaking_CreateNew.png](https://dev.epicgames.com/docs/services/Images/Samples/SessionMatchmaking/SessionMatchmaking_CreateNew.jpg)

5. Choose if you want the session to be joinable after it start (Join In Progress flag).

6. Set your session to Public for other users to search and join; otherwise your session will only be available via session invites.

7. Select Presence for your session. Then enable Invites allowed. Presence enables interaction via Social Overlay (e.g. sending invites, joining your friend's session). Only one Presence Session at a time is allowed for the player. See [Social Overlay](https://dev.epicgames.com/docs/services/en-US/EpicGamesStore/SocialOverlayOverview/index.html).

8. Press the CREATE button. Upon success, your new session is added to the list of sessions in the main dialog box.

Session List

![SessionMatchmaking_List.png](https://dev.epicgames.com/docs/services/Images/Samples/SessionMatchmaking/SessionMatchmaking_List.jpg)

In the main dialog, you are able to see the list of local sessions.

Item	Description
Session name	The session name.
Status	The session status such as None, Started, or Finished.
Players	The Current or Max Players in the session.
Level	User-created Level name.
Presence	Presence session associated with the Social Overlay.
JIP	Join In Progress flag.
Public	The session is publicly available to anyone to find via search.
Invites	Allows players to be invited to the session.

Search Session

![SessionMatchmaking_Search.png](https://dev.epicgames.com/docs/services/Images/Samples/SessionMatchmaking/SessionMatchmaking_Search.jpg)

To search for a session, enter the name of a level in the search field and press enter.

The search results display all public sessions with the level. Note that you won't see any ongoing sessions that don't have the Join In Progress flag set.

> Not all information is available for sessions. Actions are disabled. Clicking a row within the search result initiates join automatically.

Invite Friends to Session

Select your session in the list by clicking the corresponding row. Find your friend in the Friends dialog on the right and tap Invite to Session.

Your friends receive a pop-up window allowing them to accept the invitation and join your session.

Register Friends with Session

By registering your friends in your session they are able to send invites to your session.