

Social Connections



Joe Graf

@EpicCog

OnlineSubsystem

- Used to abstract online platform features
- Contains identity, social, and MP interfaces
- Asynchronous in nature
 - Many calls go to a custom cloud service

Supported Subsystems

- OnlineSubsystemSteam
- OnlineSubsystemFacebook
- OnlineSubsystemIOS
- OnlineSubsystemGooglePlay
- OnlineSubsystemLive
- OnlineSubsystemPS4

Identity

- FUniqueNetId
 - Opaque object that uniquely identifies a player for the corresponding platform
 - SteamID, FacebookID, XUID, NPID, etc.
 - Supports replication as part of a game

Friends Interface

- Used to interact with a player's social graph
- Read friend list
- Add/Remove friends
 - Not supported by every OSS

Session Interface

- Used to create/join multiplayer matches
- Game invites

Example Uses

- Gears of War's "What's Up?"
 - Used friend info to create fast invite/join
- Infinity Blade 2's "My Mob"
 - List of friends across multiple social graphs
 - Rewards for more friends playing IB2

My Mob

- For each supported OSS
 - Get the list of friends
 - Use a custom backend to filter to only friends that have played Infinity Blade
 - Display with in game UI

My Mob



MY MOB: 14



1 day 20 mins ago



Donald Mustard

Played 22 Mins Ago



Jeremy Mustard

Played 16 Mins Ago



Josh Andersen

Played 17 Mins Ago



Michael Low

Played 20 Mins Ago



Nathan Trewartha

Played 8 Mins Ago



Orlando Barrowes

Played 7 Mins Ago



Scott Bowen

PERKS

The more friends you have playing Infinity Blade, the more bonuses you get for each ClashMob.

FRIENDS	PERKS ADDED
✓ 1	\$1000 Bonus
✓ 3	+ 5 Seconds
✓ 5	+ 1 Bonus Play
✓ 10	+ 5 Seconds
15	+ \$15000 Bonus

INVITE



Code to review

- IOnlineSubsystem
- IOnlineIdentity
- IOnlineFriends
- IOnlineSession

Questions?

Documentation, Tutorials, and Help at:

- AnswerHub: <http://answers.unrealengine.com>
- Engine Documentation: <http://docs.unrealengine.com>
- Official Forums: <http://forums.unrealengine.com>
- Community Wiki: <http://wiki.unrealengine.com>
- YouTube Videos: <http://www.youtube.com/user/UnrealDevelopmentKit>
- Community IRC: #unrealengine on FreeNode

Unreal Engine 4 Roadmap

- imgtfy.com/?q=Unreal+engine+Trello+