Social Connections

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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

Donald Mustard
Played 22 Mins Ago

Geremy 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.

<table>
<thead>
<tr>
<th>FRIENDS</th>
<th>PERKS ADDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>$1000 Bonus</td>
</tr>
<tr>
<td>3</td>
<td>+ 5 Seconds</td>
</tr>
<tr>
<td>5</td>
<td>+ 1 Bonus Play</td>
</tr>
<tr>
<td>10</td>
<td>+ 5 Seconds</td>
</tr>
<tr>
<td>15</td>
<td>+ $15000 Bonus</td>
</tr>
</tbody>
</table>

INVITE
Code to review

- IOnlineSubsystem
- IOnlineIdentity
- IOnlineFriends
- IOnlineSession
Questions?

Documentation, Tutorials, and Help at:

- AnswerHub: [http://answers.unrealengine.com](http://answers.unrealengine.com)
- Engine Documentation: [http://docs.unrealengine.com](http://docs.unrealengine.com)
- Community Wiki: [http://wiki.unrealengine.com](http://wiki.unrealengine.com)
- YouTube Videos: [http://www.youtube.com/user/UnrealDevelopmentKit](http://www.youtube.com/user/UnrealDevelopmentKit)
- Community IRC: #unrealengine on FreeNode

Unreal Engine 4 Roadmap

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