Nintendo Wi-Fi Connection for Wii

Henry Cheng Senior Software Engineer Software Development Support Group

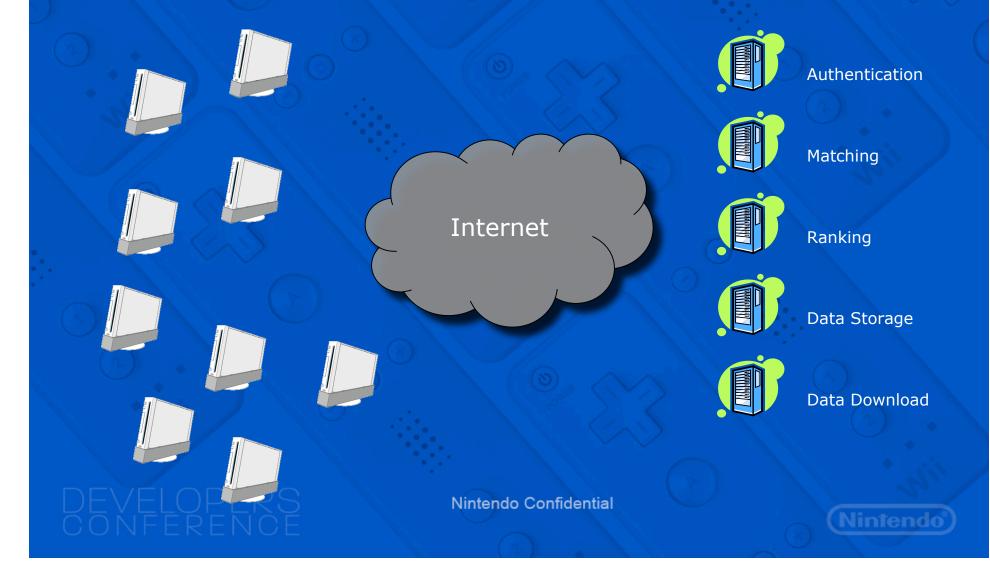
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Nintendo Wi-Fi Connection is a logo!

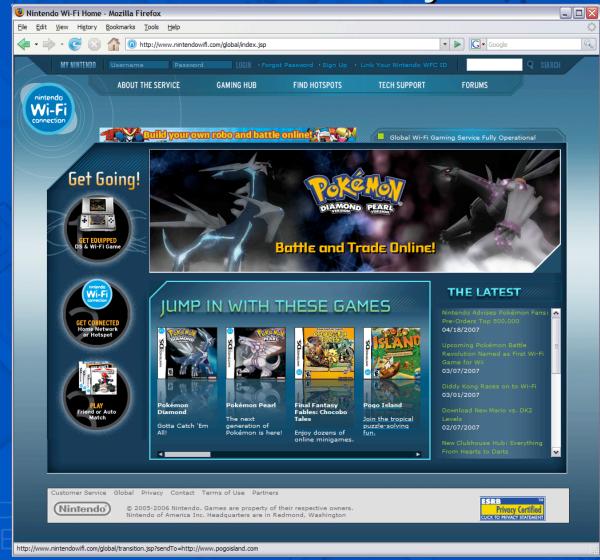
nintendo Wi-Fi connection

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Nintendo Wi-Fi Connection is "infrastructure"!



Nintendo Wi-Fi Connection is "community"!



Nintendo Wi-Fi Connection is live!



<u>Pokémon Diamond</u> Status – Up!



<u>Pokémon Pearl</u> Status – Up!



<u>Custom Robo Arena</u> Status – Up!



<u>Spectrobes</u> Status – Up!



<u>Winning Eleven Soccer</u> Status – Up!



Diddy Kong Racing DS Status – Up!



<u>Yu-Gi-Oh GX Spirit Caller</u> Status – Up!



<u>Castlevania: Portrait of Ruin</u> Status – Up!

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<u>Bomberman Land Touch</u> Status – Up!



Final Fantasy III Status – Up!

Digimon World DS Status – Up!



<u>Konductra</u> Status – Up!

<u>Contact</u> <u>Sta</u>tus – Up!



<u>Clubhouse Games</u> Status – Up!

<u>Mario vs. DK2</u> Status – Up!

<u>Open Season</u> Status – Up!

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Star Fox Command Status – Up!



Tenchu: Dark Secret Status – Up!



<u>LostMagic</u> Status – Up!

Bomberman Land Touch Status – Up!



<u>Tetris DS</u> Status – Up!



Animal Crossing: Wild World Status – Up!



<u>Mario Kart DS</u> Status – Up!



<u>Tony Hawk</u> Status – Up!



Hardware



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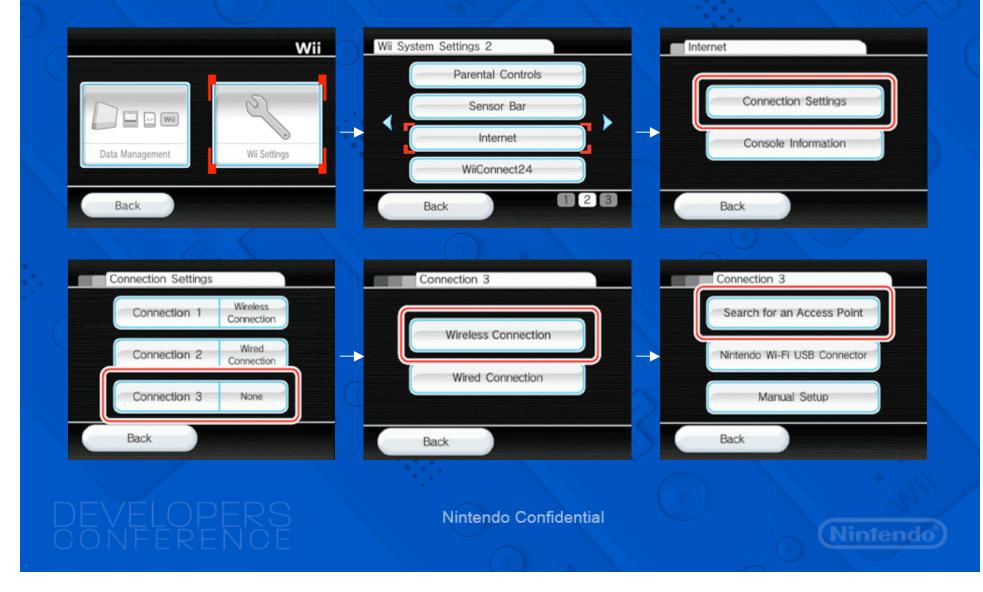
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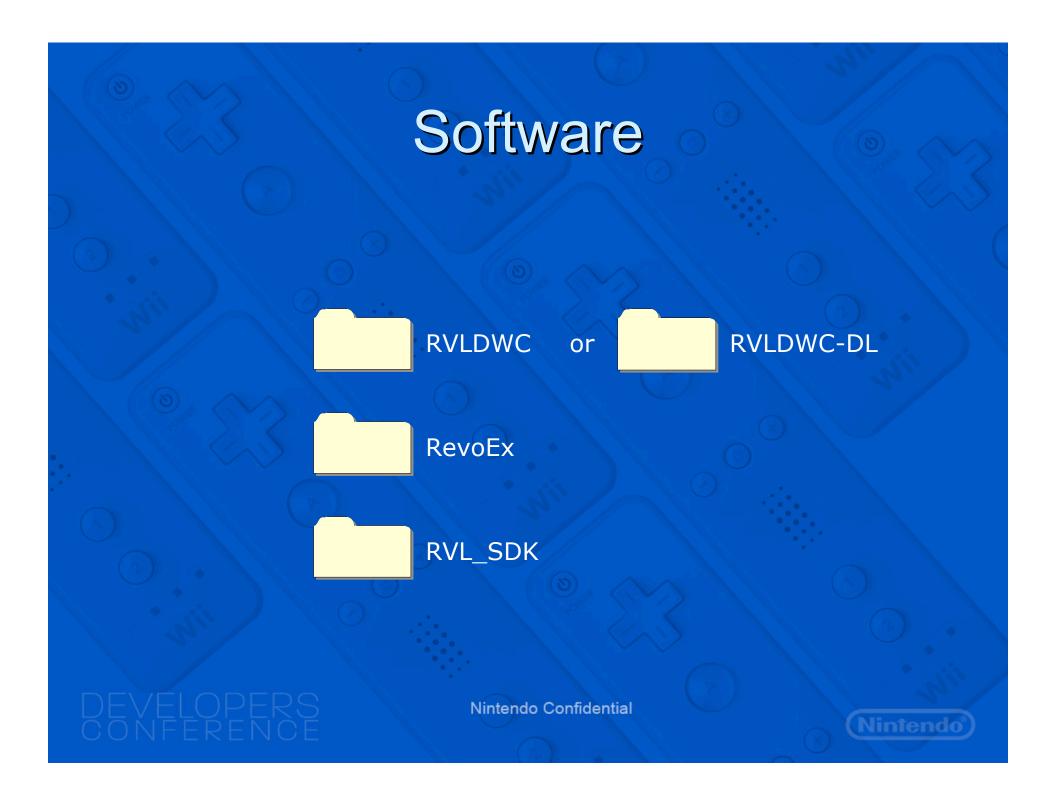
RVT-H, RVT-R

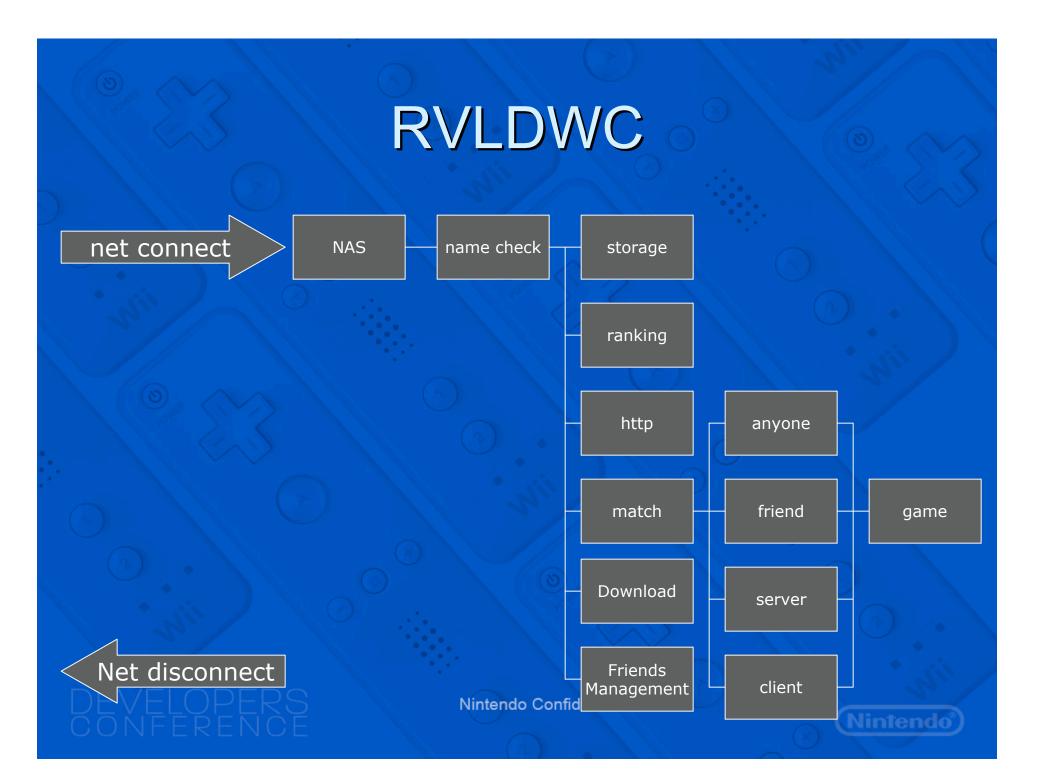
Wi-Fi access point, USB Ethernet, Nintendo Wi-Fi USB connector, Internet connection

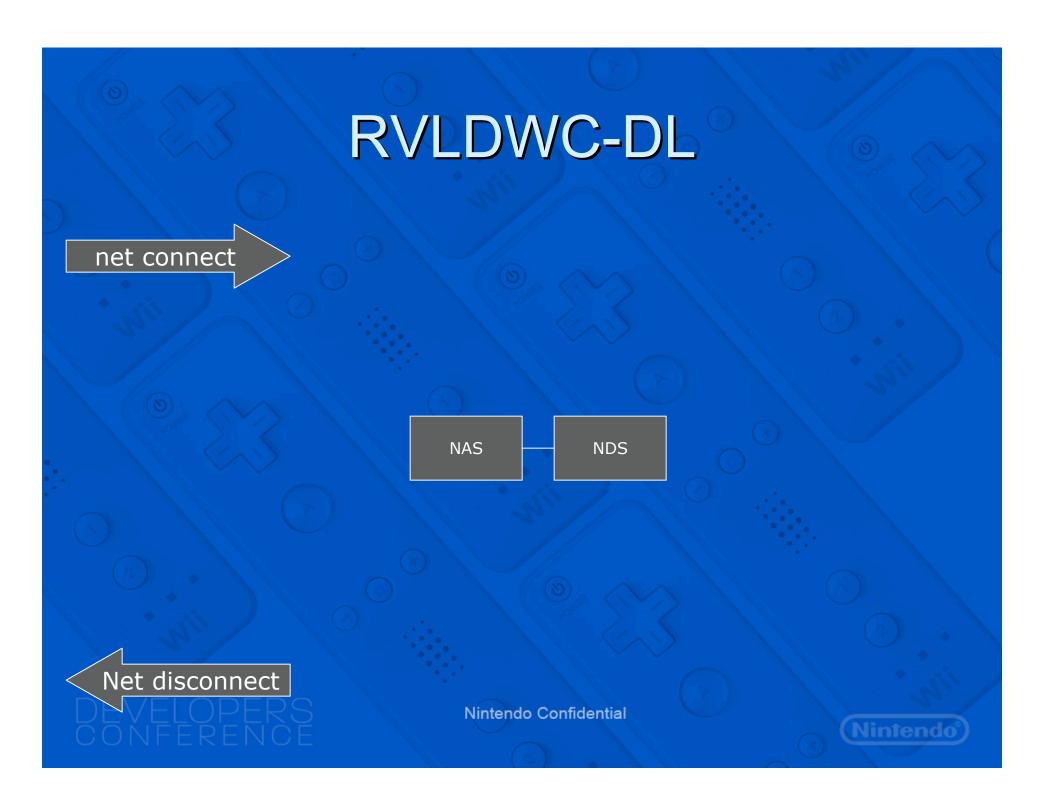
Nintendo

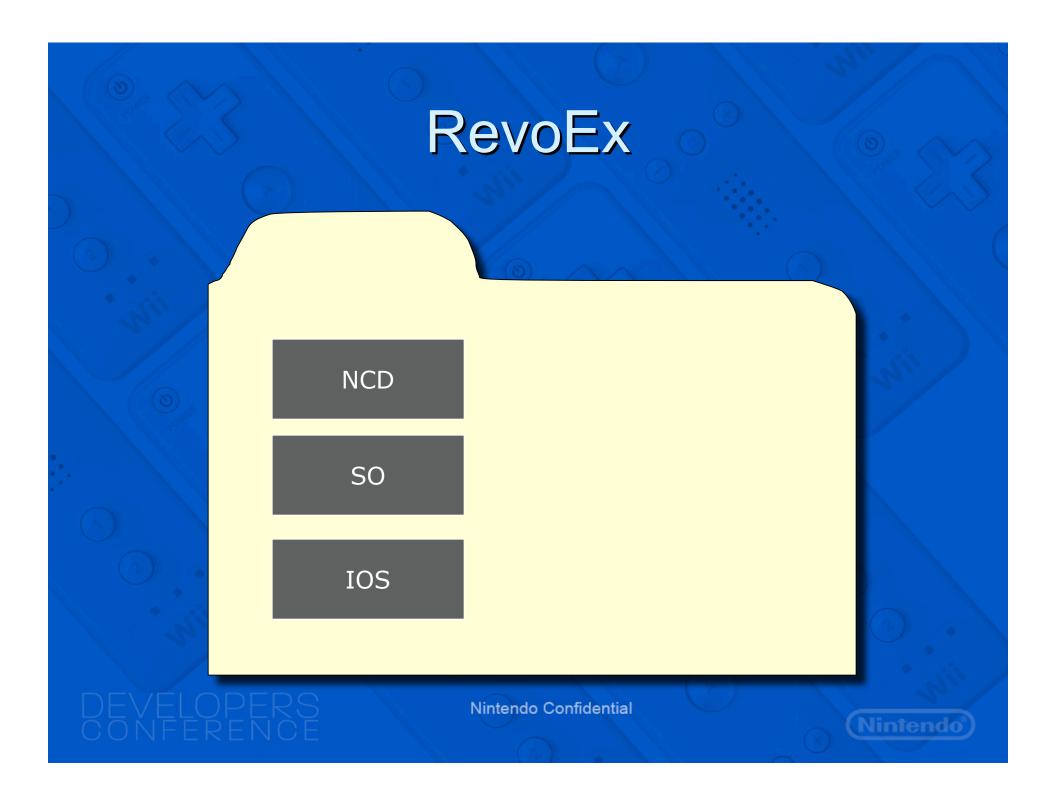
Network Configuration











Simple, Comfortable, Free

Profile Creation

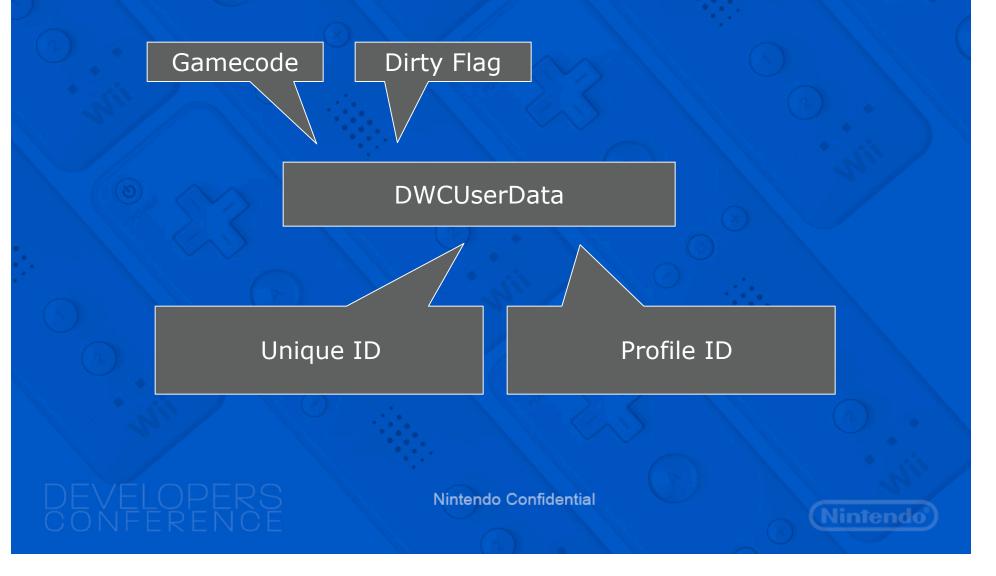
Contact Management

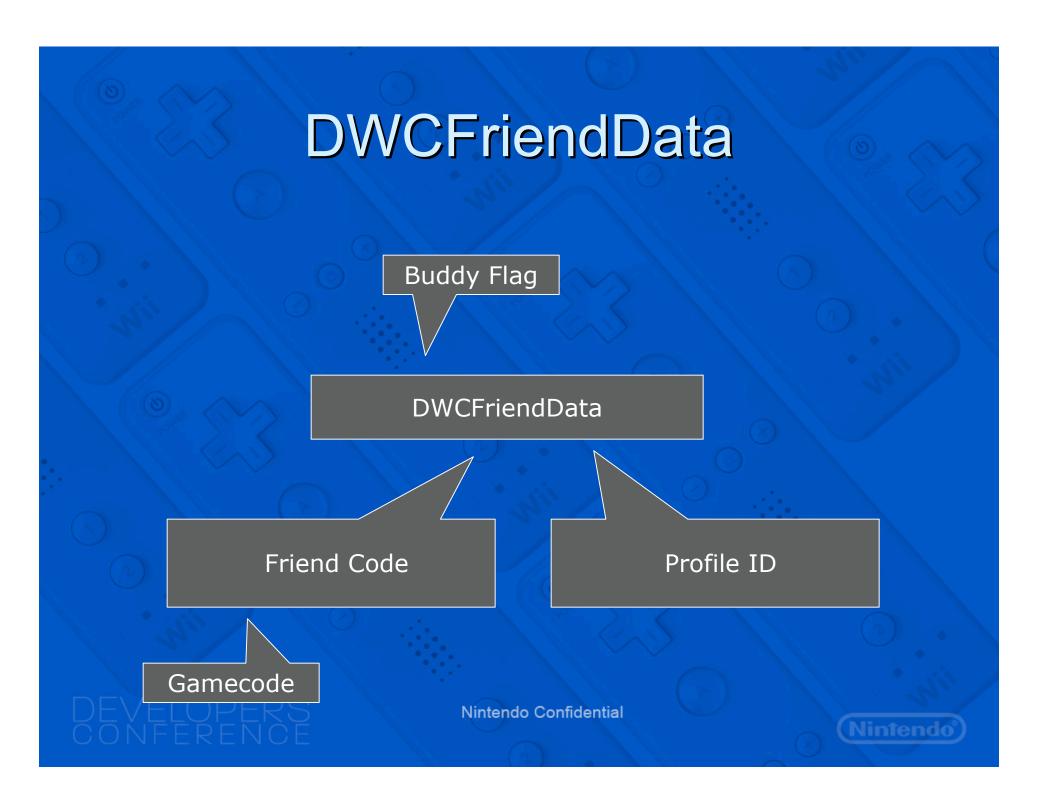
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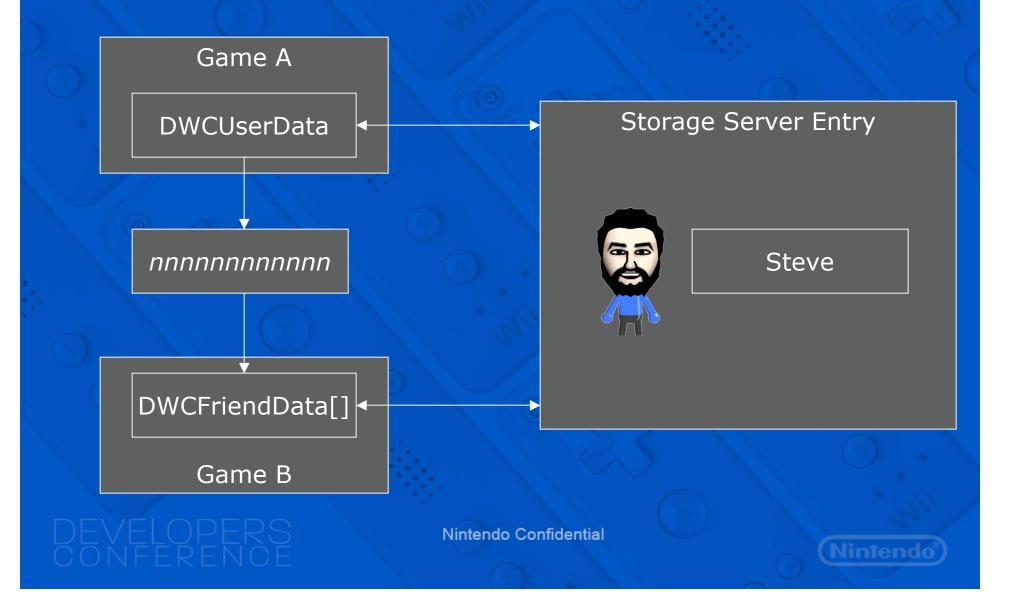
Matching

DWCUserData

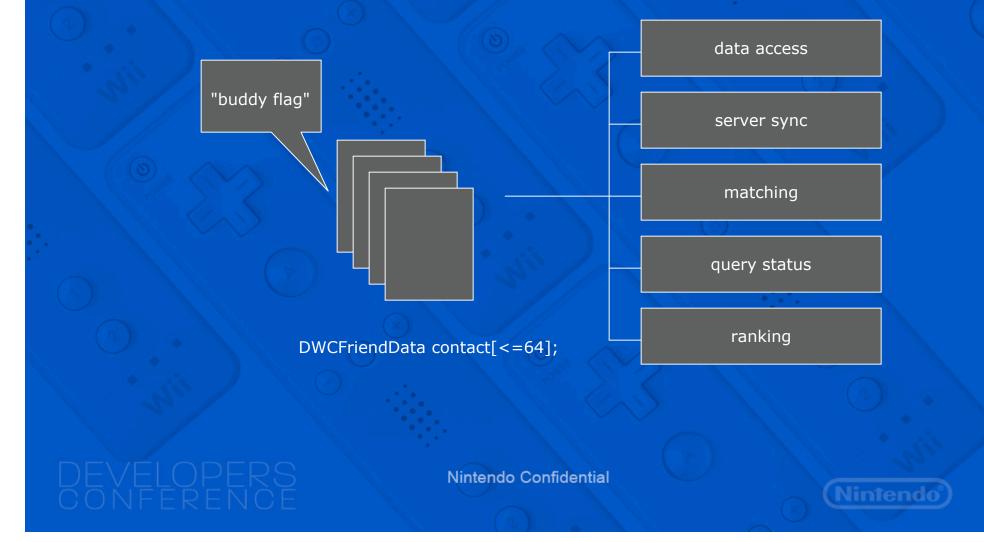




Friend Code



"Friend Roster™"



"Friend" & "Rival"



Friend:

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- Friend code entered through UI
 - Obtained by means outside of the game
- "Friend" privileges
- Required

Rival:

- Contacts encountered by the game
- Do not have friend privileges

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Optional

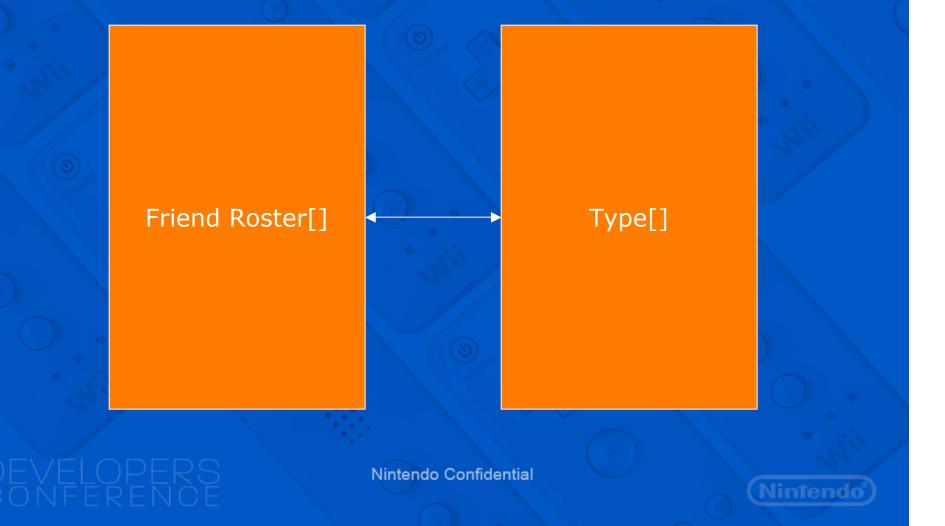
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Friend Roster, Friend & Rival



Subscription Fee

\$0.00USD / * !

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Peer Matching for Anyone

No lobby Specify n players Match filter Player evaluation callback Matched callback Will only match for other players also in same matching process

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Peer Matching for Friends and Rivals

Lobby Friend Roster for state Create index for members to match Match for n players Can match Friend of friend Player evaluation callback Matched callback Will only match for other players n same matching process

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Client / Server Matching

- Server game setup server, max players, new client callback, matched callback
 Client lobby for servers using "Friend Roster"
- Client connects to server using Friend Roster index
- Client uses matched callback
 - New client callback, if other system tries connection to the client.

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Ranking Server Access

Post category, score, user data Get own rank Get, global, near, and relative rank for Friend Roster Up to 10 entry results Up to 30 entry results from RVL-DWC 1.4.5 Access frequency is limited Nintendo Confidential

Game Messaging

DWC handles NAT traversal
Associate ID
Connection mask (32bit)
"Reliable" and "Unreliable" (UDP)

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Thank You! support@noa.com

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