

A Whirled Tour

Michael Bayne, CTO Three Rings



Three Rings



Why in the Whirled?

What in the Whirled?



It's a virtual world



funnyx00: hi

Mikeness: Howdy!

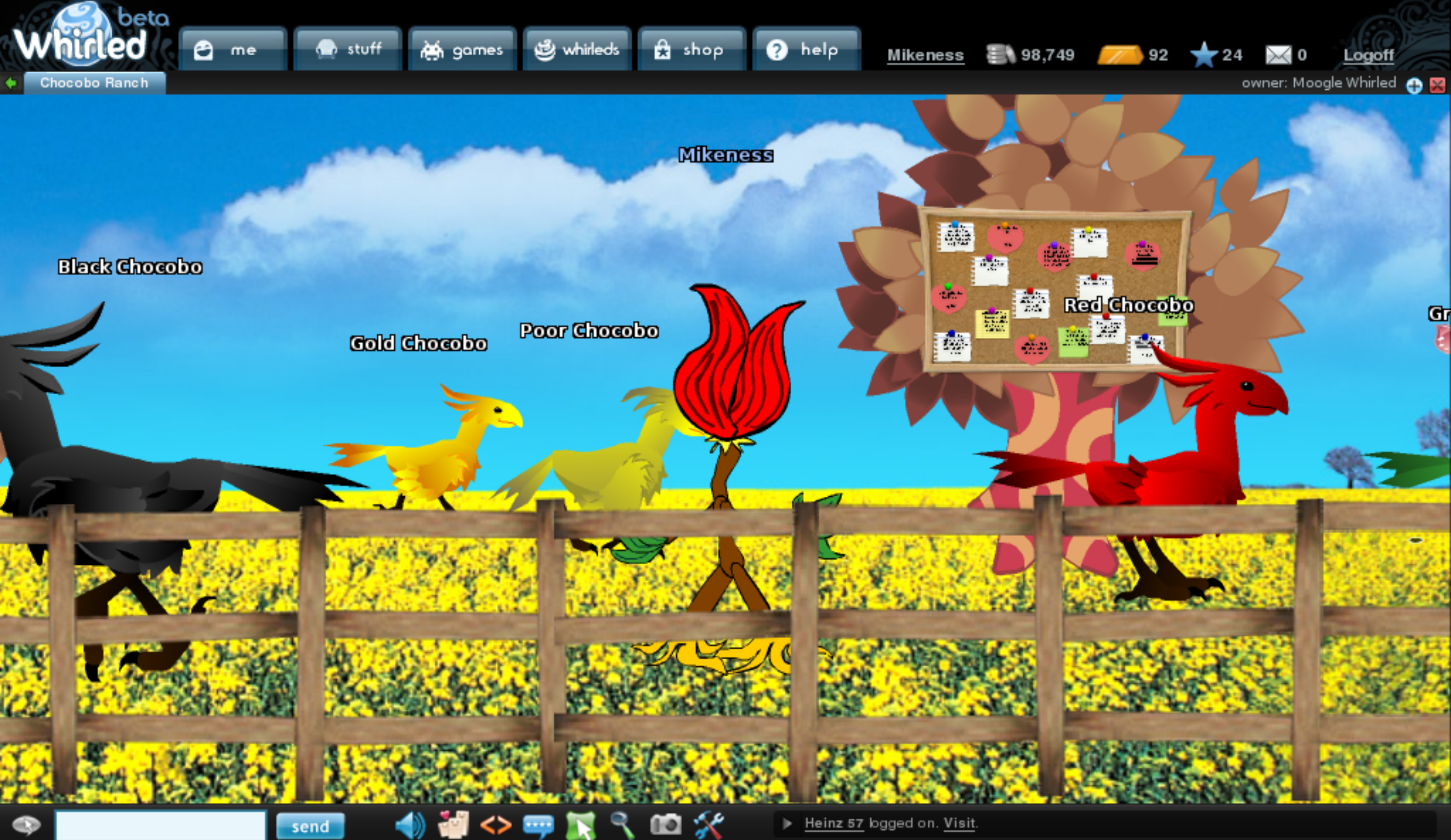
Type here to chat!

send



Heinz 57 logged on. Visit.

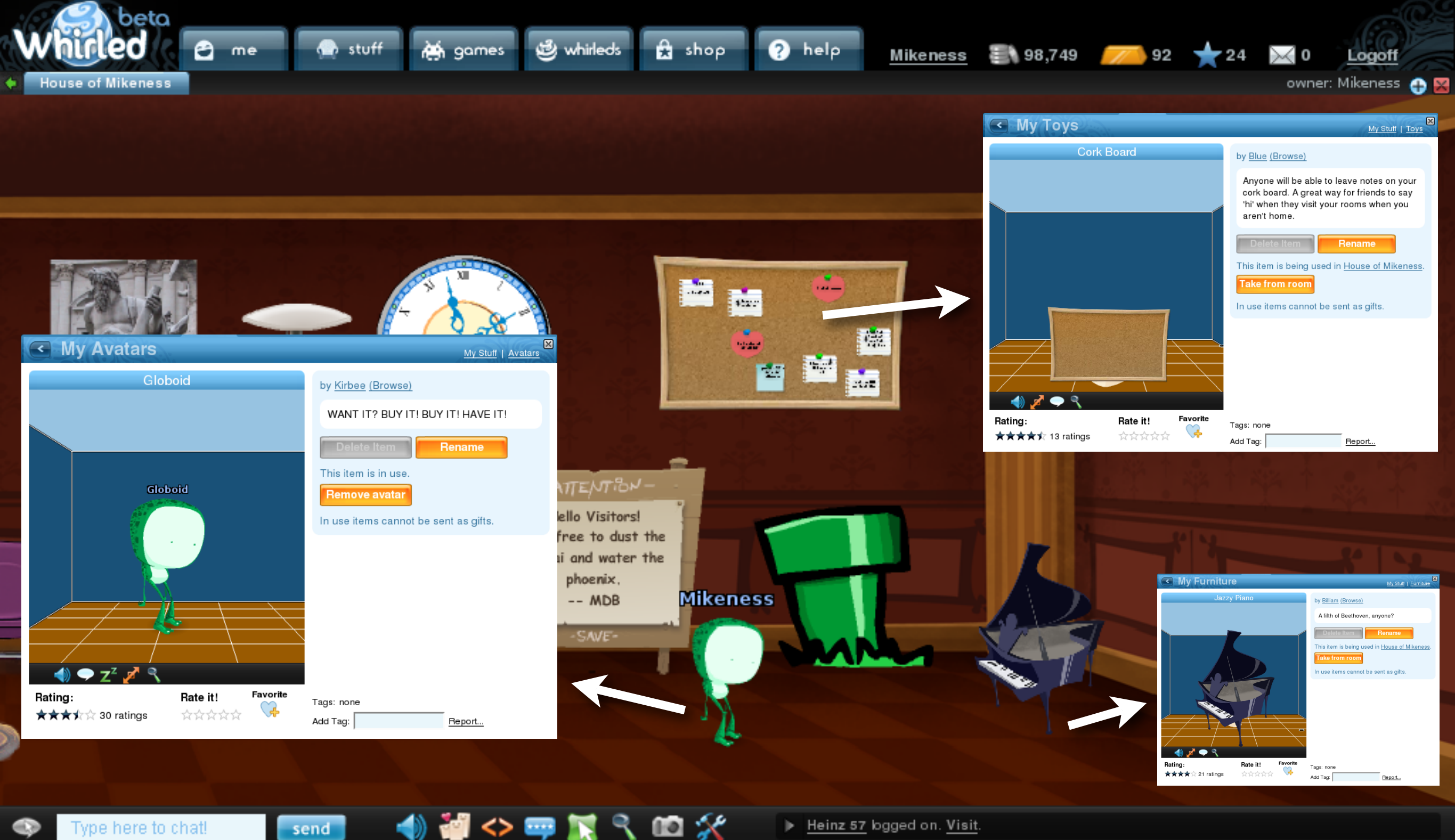
made up of rooms



filled with stuff: furniture,
pets, toys, avatars.



The rooms are arranged by the players with a built-in editor



and everything in the room is
created by players as well.

Edit Image

Learn how to create your own images on our [wiki](#)

Images must be GIF, PNG or JPG format. You can add them to [your room](#) like furniture, or create a [Gallery](#) to display them. Animated GIFs don't work inside rooms.

Name

Neptune!

Main

Extras

Image Media

Full image shown in galleries and in your room



Browse...

Description

This is shown if you list your Item in the Shop

When in Rome...

(Characters remaining: 185)

Save

Cancel



Players can upload items to use in their own rooms

Whirled beta

me stuff games whirleds shop help Mikeness 98,749 92 24 0 Logoff

House of Mikeness owner: Mikeness













Toys

Have some fun! Toys are interactive items you and your friends can play with in your room.

Shop | My Favorites | Transactions | Buy Bars

Search

Sort by: New & Hot Page: 1 2 3 4 5 6 ... 28 Prev Next

 Bubble Blower v1 by Chip Caramel ★★★★☆ 225	 Nx Whirled Piano by Nordenx ★★★★☆ 3	 Nx Slide Piano by Nordenx ★★★★☆ 3	 Dancing Kenya T by Agret ★★★★☆ 100
 Dragon Toy by Atomique ★★★★☆ 1	 Dancing Kenya Li by Agret ★★★★☆ 100	 Stopwatch by Version2.0 ★★★★☆ 1	 Confetti Blower II by geckzilla ★★★★☆ 500
 Confetti Blower by geckzilla ★★★★☆ 200	 Pookah Memory by Nordenx ★★★★☆ 1	 Carvable Jack O' by Shango ★★★★☆ 2	 Seed Pack - Hallc by jdnx429 ★★★★☆ 500

Top Tags

- animated
- ball
- game
- interactive
- memory
- message
- music
- non_function
- nordenx
- sound

Mikeness

Type here to chat! send

and they can sell them
in the catalog.

Whirled beta

me stuff games whirleds shop help

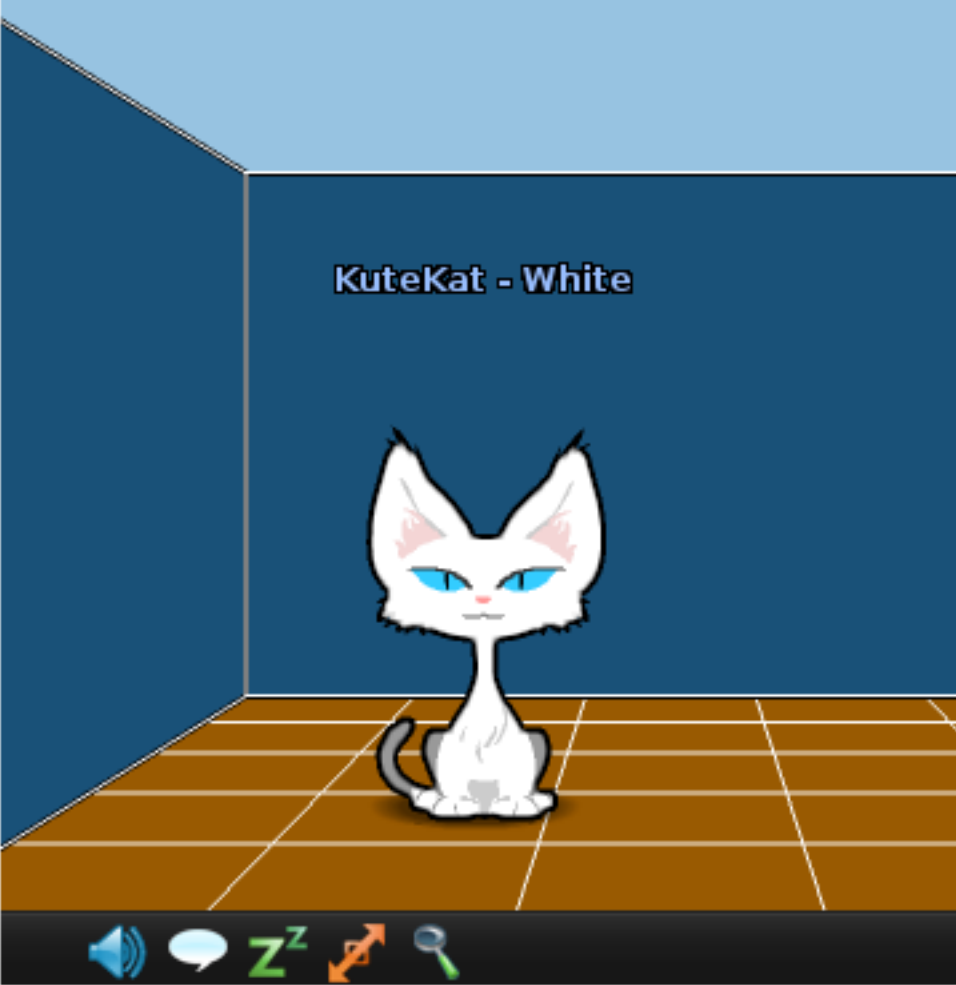
Mikeness 98,749 92 24 0 Logoff

House of Mikeness owner: Mikeness

Shop

Shop | Avatars | My Favorites | Transactions | Buy Bars


KuteKat - White




KuteKat - White

by [Moogie](#) ([Browse](#))


Ever had the urge to be just as cute as possible? KuteKats come in a variety of colours, and you can customize the eyes seperately.

 [Test remix](#) Listed on: Oct 20
Purchases: 33
Favorites: 42

[Reprice](#) | [Delist](#) | [View original](#)


Buy!  **2**

[Get bars!](#)

Buy!  **6,496**

Rating: ★★★★★ 174 ratings

Rate it! ☆☆☆☆☆


Favorite 

Tags: [remixable](#), [kute](#), [expensive](#), [nice](#), [kitty](#), [cute](#), [white](#), [cat](#), [kutekat](#)

Add Tag: [Report...](#)

Comments

Type here to chat! send



Items are sold for one
of two currencies:

Whirled beta

me stuff games whirleds shop help

Mikeness 98,749 92 24 0 Logoff

House of Mikeness owner: Mikeness


Shop

Shop | Avatars | My Favorites | Transactions | Buy Bars


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Add Tag: [Report...](#)

Comments

Type here to chat! send



coins, earned by playing games
and doing things on the site

Whirled beta

me stuff games whirleds shop help


Mikeness 98,749 92 24 0 Logoff

House of Mikeness owner: Mikeness

Shop

Shop | Avatars | My Favorites | Transactions | Buy Bars


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Rating: ★★★★★ 174 ratings

Rate it! ☆☆☆☆☆

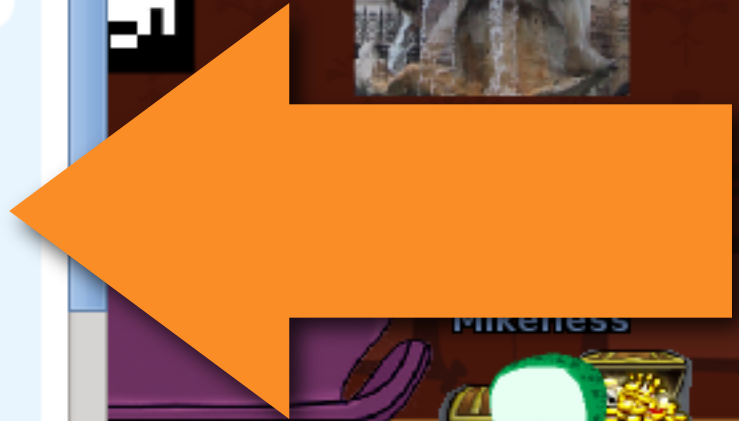
Favorite 

Tags: [remixable](#), [kute](#), [expensive](#), [nice](#), [kitty](#), [cute](#), [white](#), [cat](#), [kutekat](#)

Add Tag: [Report...](#)

Comments

Type here to chat! send



and bars, purchased
with real money.

Transactions

Me | Rooms | Friends | Account | Admin

Bling is earned by creators when they sell items priced in Bars.
Bling can be turned into Bars or cashed out as real money!

[Learn more about Bling](#)

Earning coins takes time.
Get bars right now!

Buy Bars!

Show:  Bling

Page: 1 2 3 4

Prev

Next

When	How	Debit	Credit	Balance
Today at 11:57am	Sold <u>Corpse Craft Compleat.</u>		12.00	1,418.46
Today at 11:25am	Sold <u>Corpse Craft Compleat.</u>		15.00	1,406.46
Today at 10:26am	Sold <u>Corpse Craft Compleat.</u>		15.00	1,391.46
Today at 9:58am	Sold <u>Corpse Craft Compleat.</u>		15.00	1,376.46
Today at 8:32am	Sold <u>Corpse Craft Compleat.</u>		15.00	1,361.46
Today at 8:24am	Sold <u>Corpse Craft Compleat.</u>		15.00	1,346.46
Today at 6:28am	Sold <u>Corpse Craft Compleat.</u>		15.00	1,331.46
Today at 3:21am	Sold <u>Corpse Craft Compleat.</u>		15.00	1,316.46
Today at 3:00am	Game developer bling pool award for <u>Zyraxxus++</u> .		0.11	1,436.46
Today at 3:00am	Game developer bling pool award for <u>Corpse Craft</u> .		115.17	1,436.35



Creators earn bling.

NattoMaki's Profile

[Me](#) | [Rooms](#) | [Friends](#) | [Mail](#) | [Account](#) | [Admin](#)

Level:

★ 36

**NattoMaki***knows karate and 17 other Japanese words*

Male

California

Permaname: nattomaki

Member since: Mar 08, 2007

Last online: Today at 2:45pm



Send Mail



Visit Home



View Rooms



Browse Items

Information

Favorite Music:

Mose Allison, Charles Brown, Parliament, Tokyo Ska Paradise Orchestra, Kelly Joe Phelps, Southern Culture On The Skids, Ray Charles

Favorite Movies:

Glengarry Glen Ross, Tanpopo, Marusa no Onna, Godfather 1 & 2, Snatch, Kung Fu Hustle

Favorite Shows:

Trailer Park Boys, Deadwood, Rome, Sopranos

Favorite Books:

The Lorax

Friends

[Beelzebub](#)[Lone Star Lamour](#)[JKasumi](#)[butterfly](#)[Captain Josh](#)[Mikeness](#)[See All 208 Friends](#)

Passport Stamps



Whirled is a community website:
with profiles

My Friends

Me | Rooms | Friends | Mail | Account | Admin

Share Whirled
with your
Friends!

Invite Them!

Find Someone:

Search by real name, Whirled name, or email address

Search

Mikeness's Friends



Brittney

everybody watch the new landing page video!

Online now in Palace Arena. [Join them!](#)



[Send mail](#)



[Visit home](#)



[Remove friend](#)



Gyre O' Guile

poink?

Online now in Brave New Whirled. [Join them!](#)



[Send mail](#)



[Visit home](#)



[Remove friend](#)



NattoMaki

knows karate and 17 other Japanese words

Online now in Group Zyraxxus's room. [Join them!](#)



[Send mail](#)



[Visit home](#)



[Remove friend](#)



Zell

desires chicken sausage

Online now, playing Ghosthunters. [Join them!](#)



[Send mail](#)



[Visit home](#)



[Remove friend](#)

Vestibule



[Send mail](#)



friends

Mail

Me | Rooms | Friends | Mail | Account | Admin

Check Mail

Page: 1 2

Prev

Next

		JKasumi Today at 2:41 pm	Be My Friend Let's be buddies!
		JKasumi Today at 2:33pm	Be My Friend Let's be buddies!
		Linkwhite Oct 20 at 8:47am	Dictionary Attack Hey, I don't know if this is a known issue, but in multiplayer Dictionary Attack
		Jes Sept 03 at 11:19am	OMG! Heh thanks! I've got a few more patterns I'd like to do once I refine the proces
		Silverwolf Aug 05 at 8:07am	help Thanks for the information :)
		Fox May 22 at 6:26am	Bang! Howdy Status. Hello Mike, I'm sorry to bug you like this, but I'm hoping you still have a str
		The Cosmic Cheese Jan 10 at 9:04pm	Creator Survey [Background--Coming into whirled I've had sporadic programming experience, and v
		Shelly Jan 08 at 8:12pm	Creator Survey This is good because I have lots of input on this subject :D 1. Decor, Furnitur
		Gobanzo Mon Jan 08 at 12:13pm	Creator Survey 1. Modified the template avatar's appearance and released it. Make an avatar fro



mail

Whirled Builders

Whirleds | My Whirleds | My Discussions | Issues | My Issues



Whirled Builders

Est. Mar 04, 2007 by [sadielate](#)

301 Members

Enter Whirled

Discussions

Join this Whirled

Shop!

Read Charter



click for live view

6 online now!

Building THE Whirled for You

Charter

Do you like to make furniture? Avatars? Games? Anything at all?

Go ahead and join!

The member's directory and gallery is now in place! To change your display room, send a note to sadielate. (It's the cheapest Harvard dorm room you'll ever find.)

Creative challenges are posted in the discussions once a month, so be sure to post if you've completed a challenge!

<< Back to Discussions

Members



Manager
[sadielate](#)



[Conrad500](#)



[ДЯК](#)



[Tikikala](#)



[Juiceten](#)



groups

Discussions

[Whirleds](#) | [My Whirleds](#) | [My Discussions](#) | [Issues](#) | [My Issues](#)

Whirled Builders Discussions: Resource Room Installation

<search>



sadiekate on Apr 14 at 11:54am



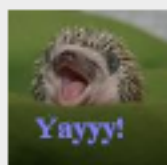
Many of you have likely seen the so-called "resource room" just to the right of the Whirled Builders's Hall. It has been woefully empty for a very long time. This is about to change.

I am looking for links that have been helpful to you while creating things for Whirled. These could be links to useful forum threads, whirled wiki pages, flash tutorials from anywhere on the internet, examples, drawing tutorials, coding help, reference photos, and on and on. Anything that's helped you at all while making Whirled content.

Please post your link below and a brief description of how it was helpful to you. Once I've put the decor and furniture in place, I'll start setting up links in-whirled.

<<QUOTE

< REPLY



Whirligig on Apr 15 at 9:27pm



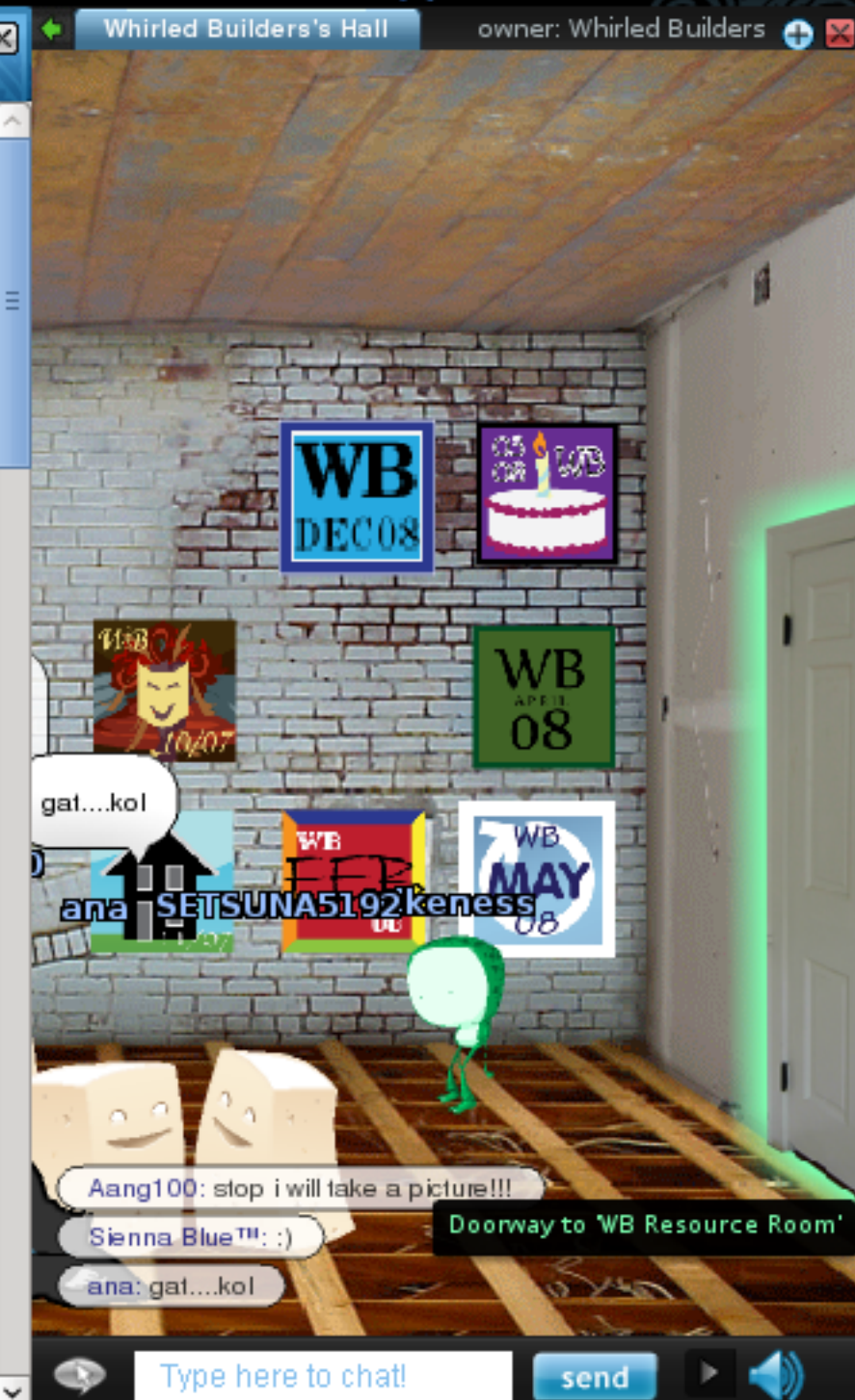
I've found some good sounds at [The Freesound Project](#). Their clips are licensed under the Creative Commons Sampling Plus 1.0 license, which basically requires author attribution.

<<QUOTE

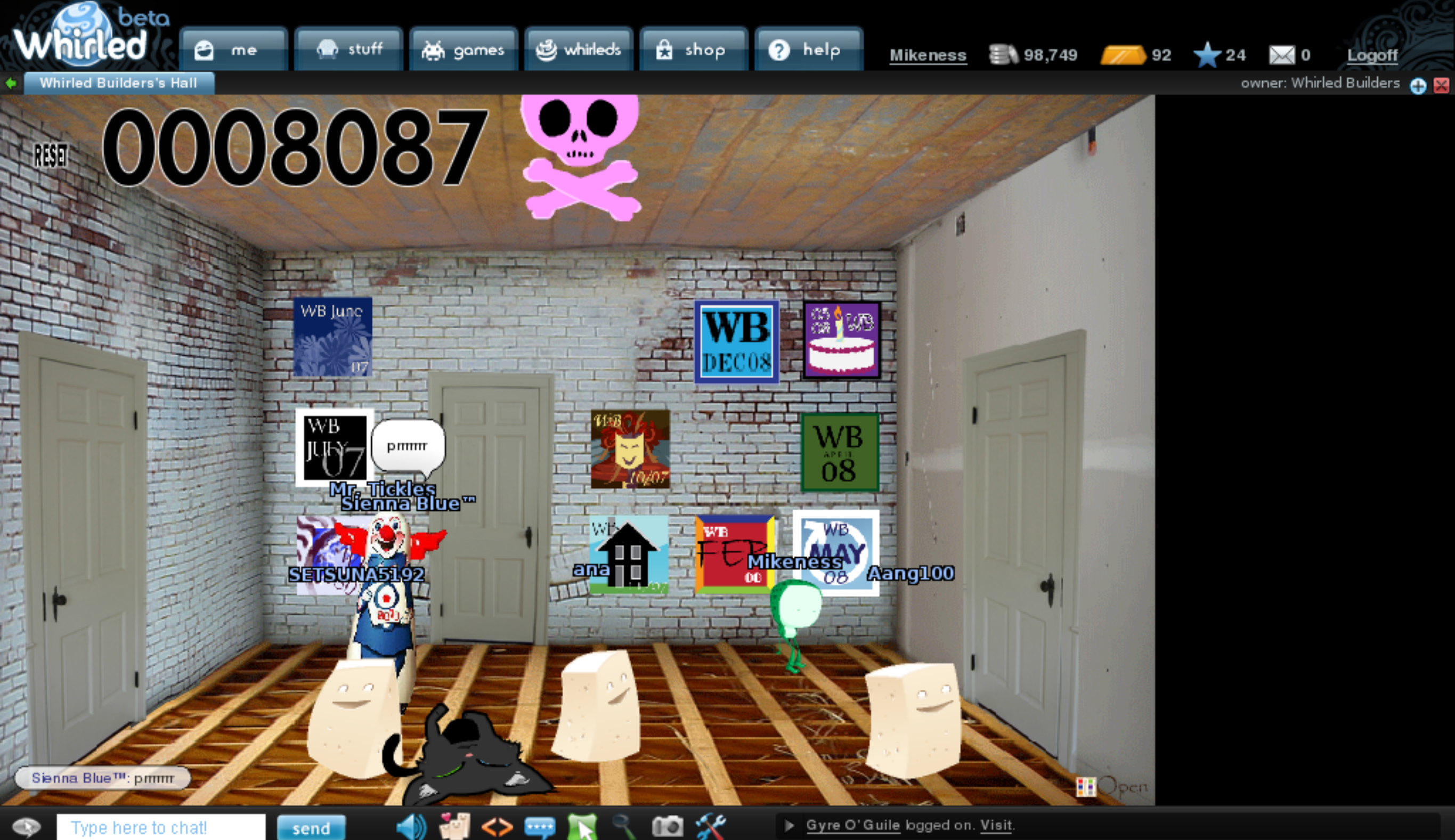
< REPLY



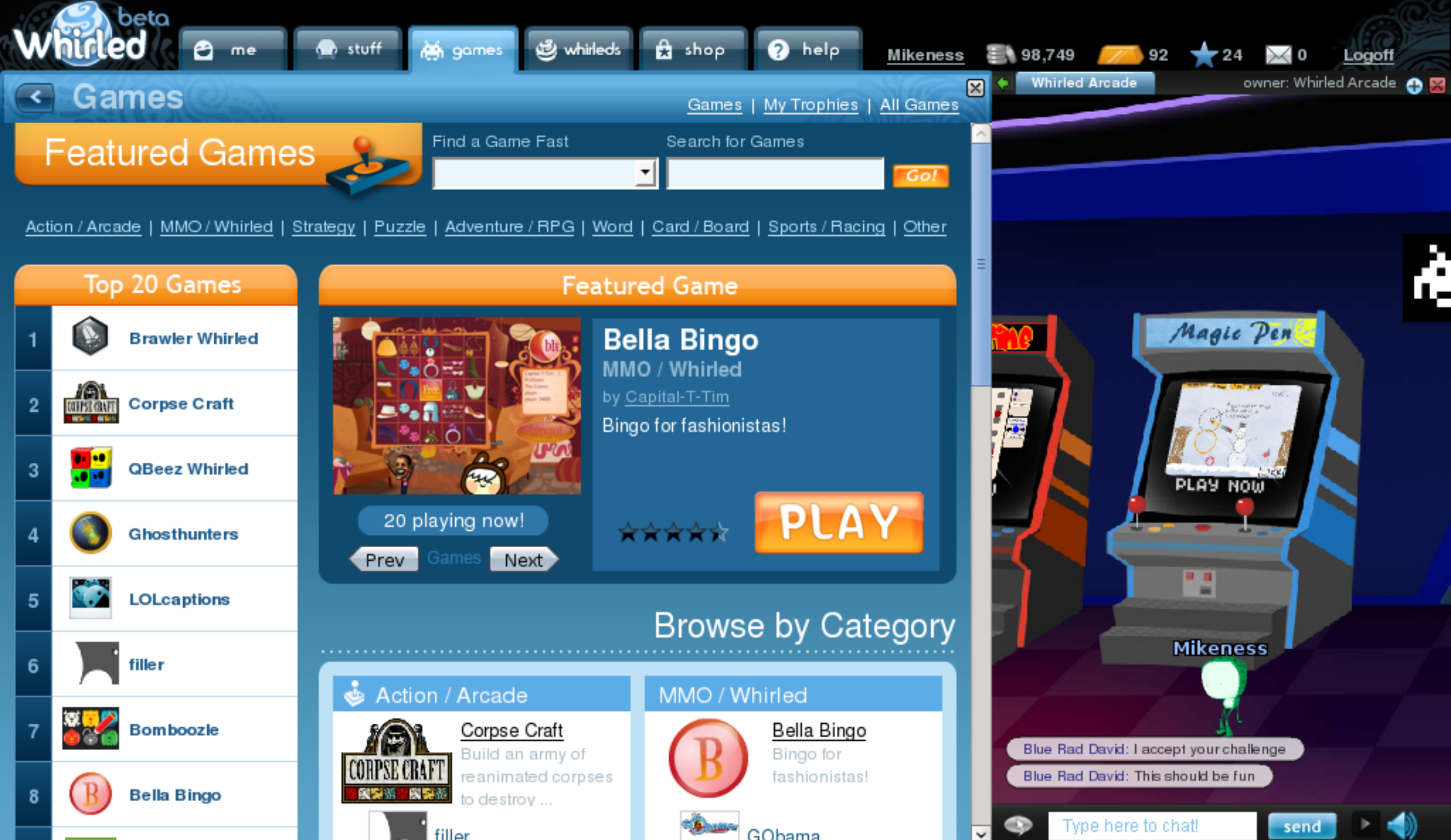
boozoo on May 02 at 3:28pm



forums



and clubhouses
(shared virtual spaces).



Whirled is a casual games website.

Corpse Craft



Build an army of reanimated corpses to destroy your foes in this puzzle-action hybrid.

1 PLAYER

MULTIPLAYER

35 playing now!

[Game Info and Instructions](#)



Type here to chat!

send



You have new mail. [Check now.](#)

Developers can make single- or multiplayer games

Whirled

beta

me

stuff

games

rooms

whirleds

shop

Mikeness

99,170

92

24

0

Logoff

Help

Dictionary Attack

Games | My Trophies | All Games

147 ratings

Yours: ★★★★★

Favorite

Avg. Time: 10 minutes

Games played: 17970

View source item...

PLAY

Discussions

Game Shop

Instructions

Comments

Trophies

My Rankings

Top Rankings

Metrics

Logs

Word Ensign

Awarded for scoring over 20 points in a single player game.

Earned on Oct 09, 2007

Lieutenant Lexicon

Awarded for scoring over 30 points in a single player game.

Earned on Oct 09, 2007

Commodore Cliché

Awarded for scoring over 40 points in a single player game.

Earned on Oct 09, 2007

Vice Admiral Verbiage

Awarded for scoring over 50 points in a single player game.

Admiral Anagram

Awarded for scoring over 60 points in a single player game.

Planetary

Score 30 points or higher in 3 games in a row in a single session.

Earned on Dec 04, 2007

Stellar

Score 30 points or higher in 5 games in a row in a single session.

Earned on Dec 04, 2007

Galactic

Score 40 points or higher in 3 games in a row in a single session.

Heavy Cruiser Class

Complete a single player game using only 5 letter words or longer.

Earned on Dec 04, 2007

Destroyer Class

Complete a single player game using only 6 letter words or longer.

Page: 1 2 3

Prev Next

Ghosthunters Main Hall

owner: Ghosthunters

Mikeness

send

and award trophies

Whirled

beta

me

stuff

games

whirleds

shop

help

Mikeness

98,749

92

24

1

Logoff

QBeez Whirled

Mikeness

QBeez Whirled

Pick a pack to play:

QBtar Pack

Red QBtar Pack

Yellow QBtar Pack

QBtar Pack

Red QBtar Pack

Yellow QBtar Pack

QBtar Pack

Red QBtar Pack

Yellow QBtar Pack

QBtar Pack

Red QBtar Pack

Yellow QBtar Pack

QBtar Pack

Red QBtar Pack

Yellow QBtar Pack

QBtar Pack

Red QBtar Pack

Yellow QBtar Pack

QBtar Pack

Red QBtar Pack

Yellow QBtar Pack

QBtar Pack

Red QBtar Pack

Yellow QBtar Pack

Win Me!

Win this Yellow Avatar by getting a perfect clear on the final level.

PLAY

Shop

Shop | Level Packs | My Favorites | Transactions | Buy Bars

Yellow Avatar Pack

by Skunk Studios (Browse)

Win a perfect game in the last level to earn the Yellow QBtar!!

Listed on: Oct 13

Purchases: 114

Favorites: 8

Reprice

Delist

View original

Buy!

3

Get bars!

Buy!

9,741

Tags: maria, qbtar

Add Tag:

Report...

Rating:

★★★★★ 36 ratings

Rate it!

☆☆☆☆☆

Favorite

+

Comments

Skunk Studios

on Oct 20 at 6:24pm

[delete]

[complain]

Amber: You have to purchase the pack. If you have purchased the pack re-load the game.

Type here to chat!

send

You have new mail.

Check now.

and sell level and item packs.





Whirled beta me stuff games whirleds shop ? help Mikeness 98,749 92 24 1 Logoff

Games Games | My Trophies | All Games

MMO / Whirled Find a Game Fast Search for Games Go!

Action / Arcade | MMO / Whirled | Strategy | Puzzle | Adventure / RPG | Word | Card / Board | Sports / Racing | Other

Sort by: Rating Page: 1 Prev Next

Name	Rating	Category	Now Playing	
 Ghosthunters A game of hunting ghosts all across the Whirled and defeating them in ectopla...	★★★★★ 78 ratings	MMO / Whirled	2	Play
 Bella Bingo Bingo for fashionistas!	★★★★★ 208 ratings	MMO / Whirled	17	Play
 Pookah Rainbow Music Party Game: play with your friends and see who can remember the pookah ...	★★★★★ 98 ratings	MMO / Whirled	0	Play
 GObama Grab your friends and go head to head with McCain, Palin, and the GOP!	★★★★★ 48 ratings	MMO / Whirled	0	Play

QBeez Zone owner: QBeez Zone

Mikeness

Type here to chat! send

Whirled is a collection of mini-MMOs.



Mini-MMOs are like overlays
on the virtual world.

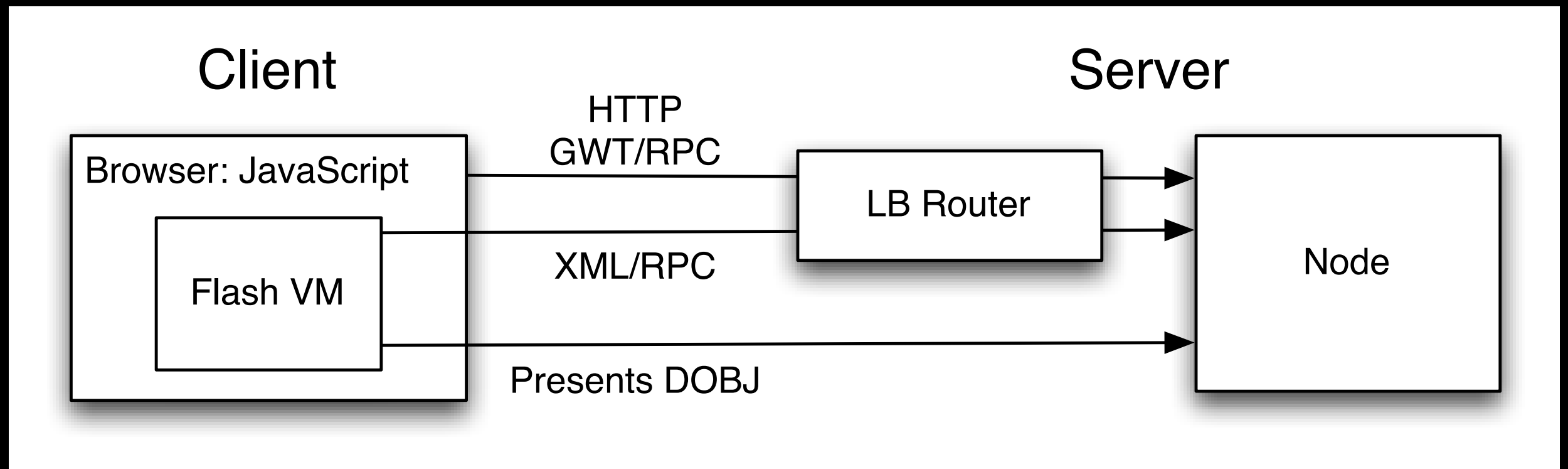


They make use of the Whirled room and avatar systems.

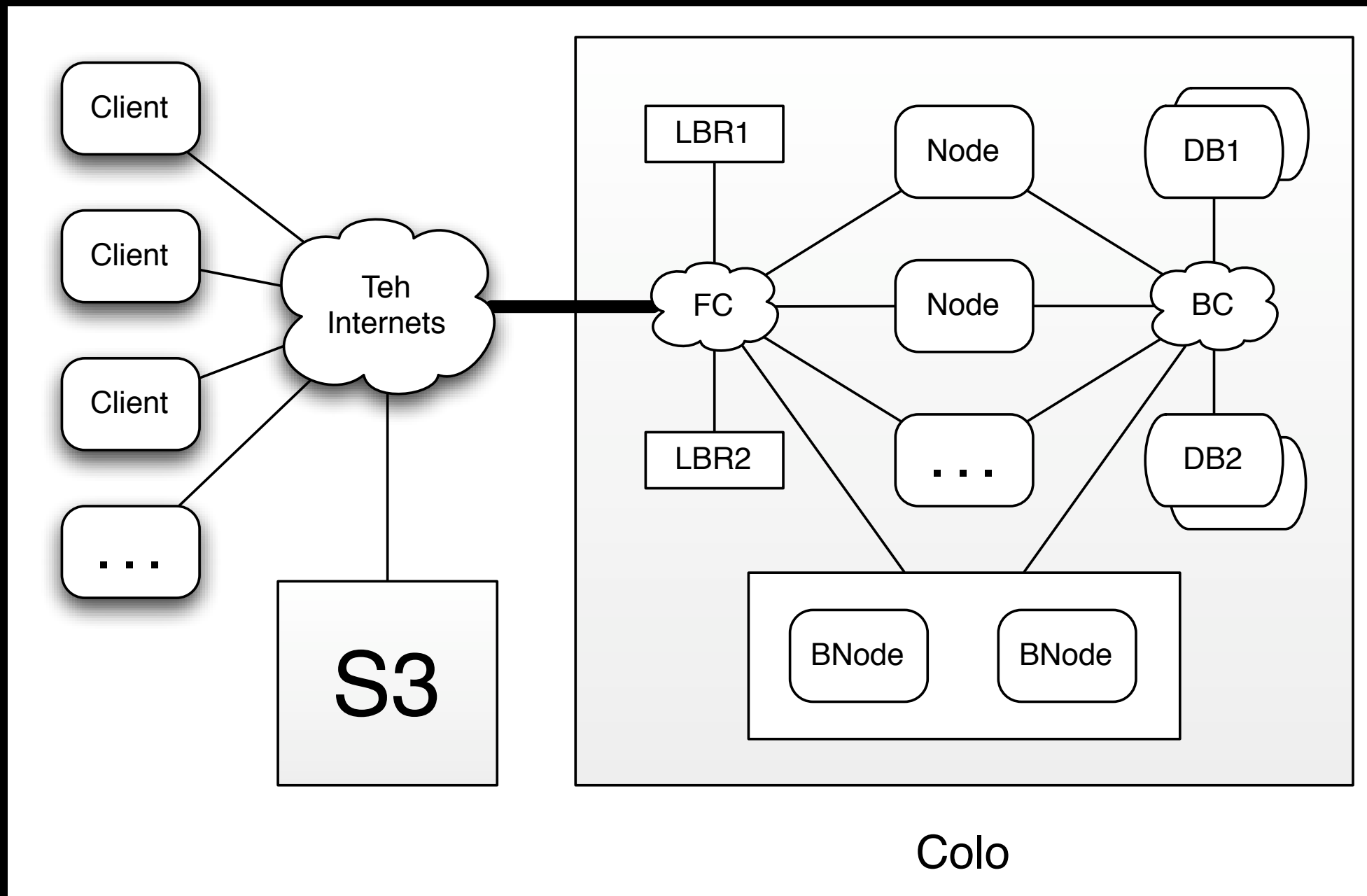
How in the Whirled?



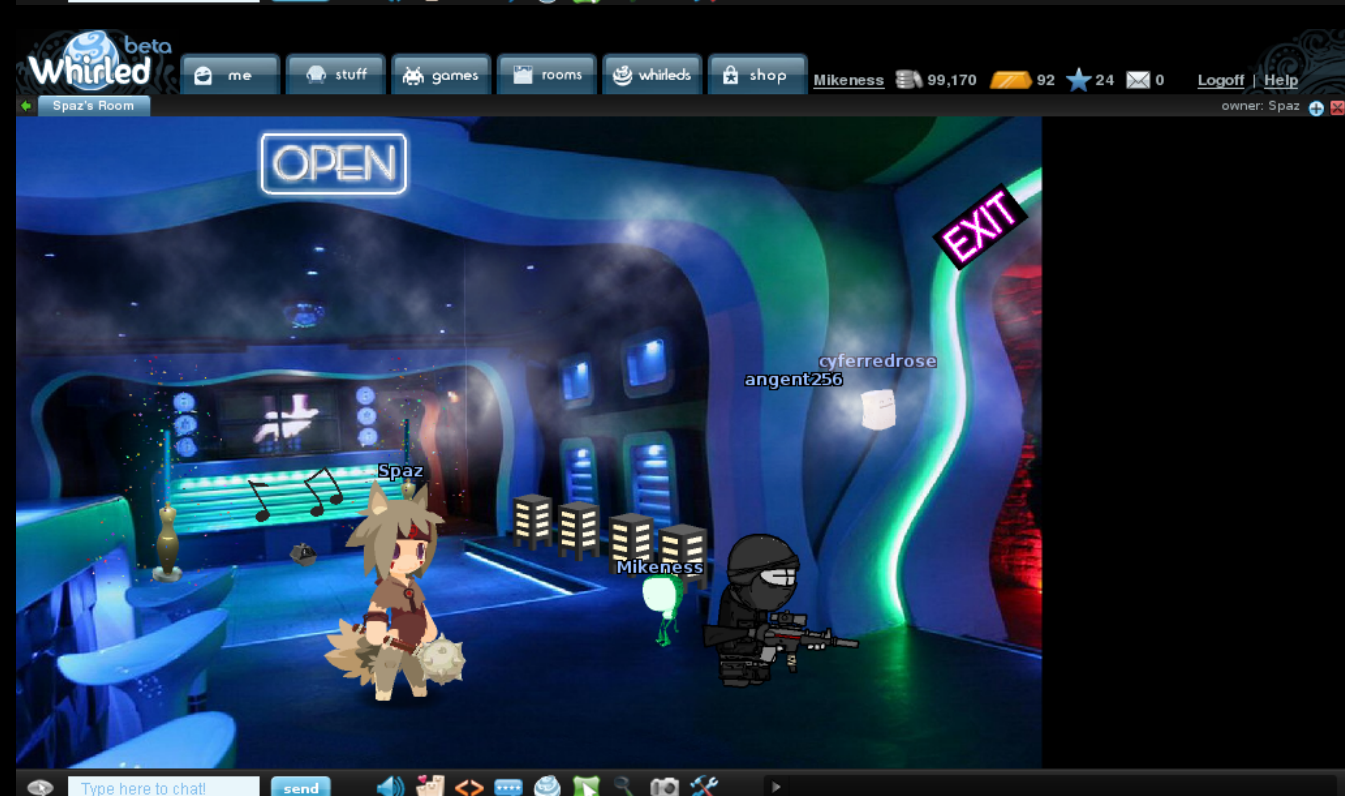
Whirled client is Flash + GWT



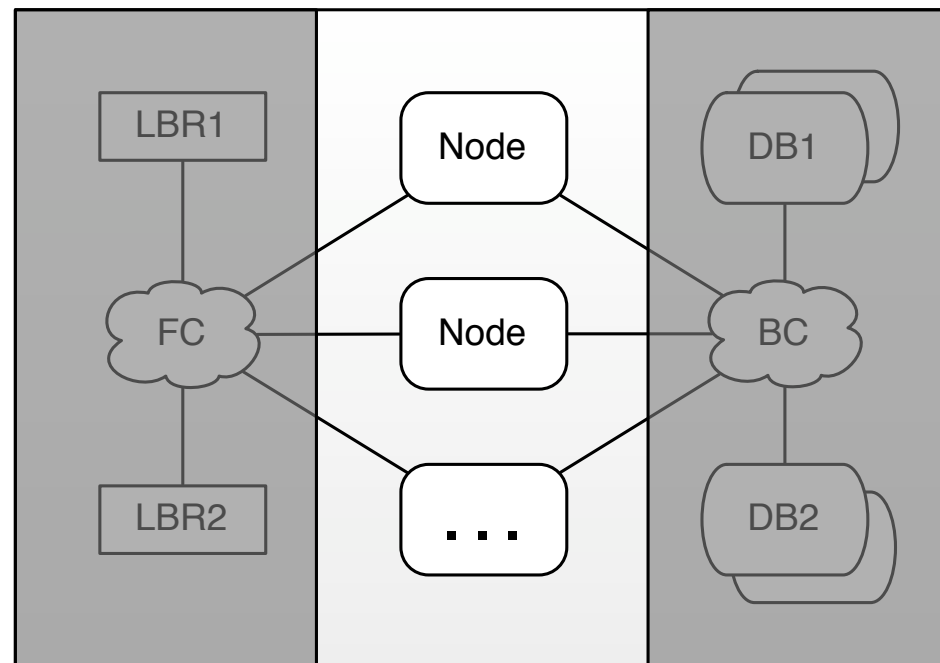
Whirled uses a few protocols.



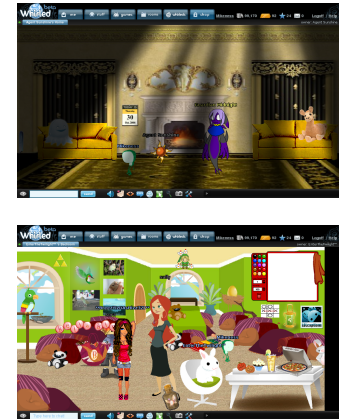
Whirled can has network diagram.



Whirled is Rooms.



Node 1



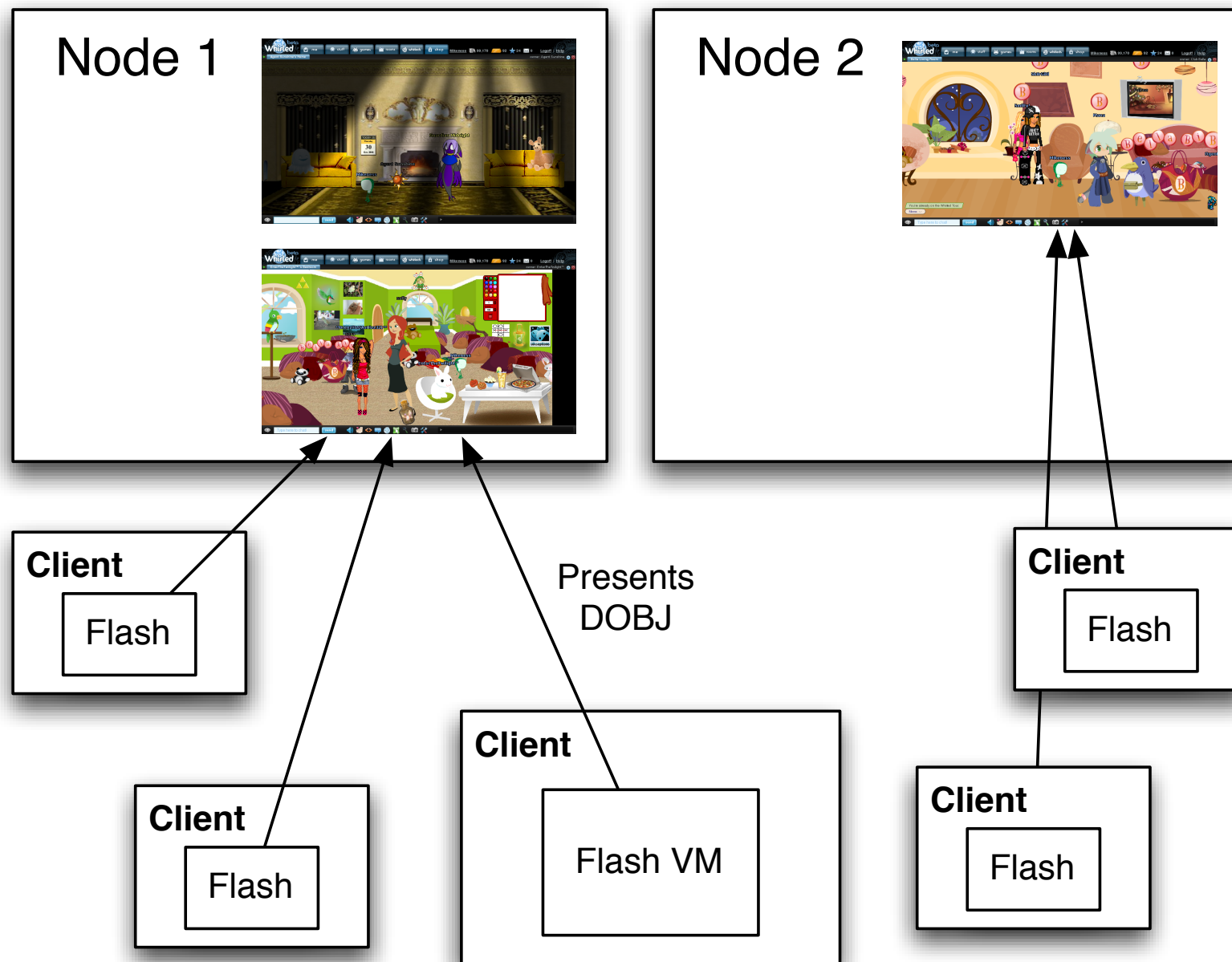
Node 2



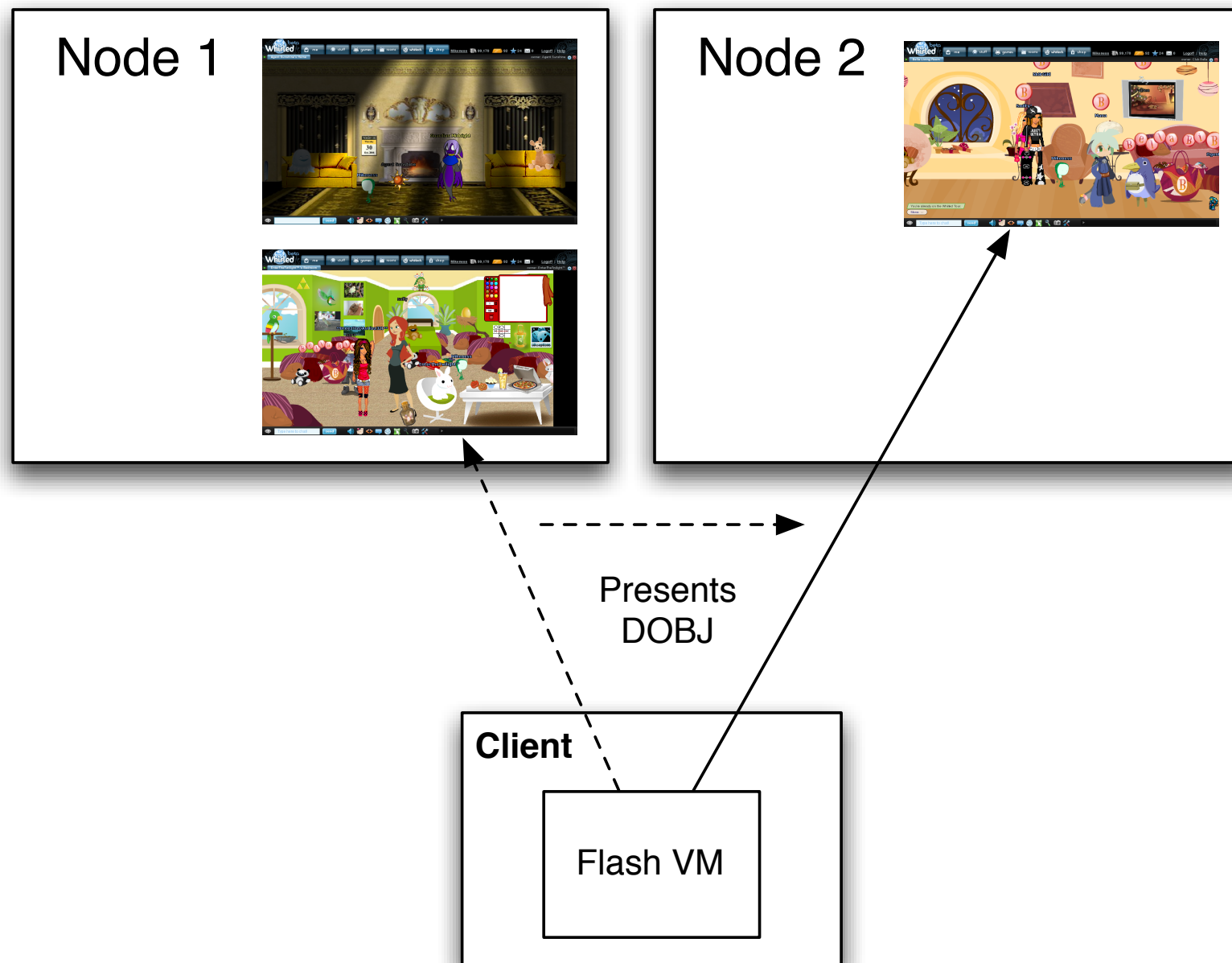
Node 3



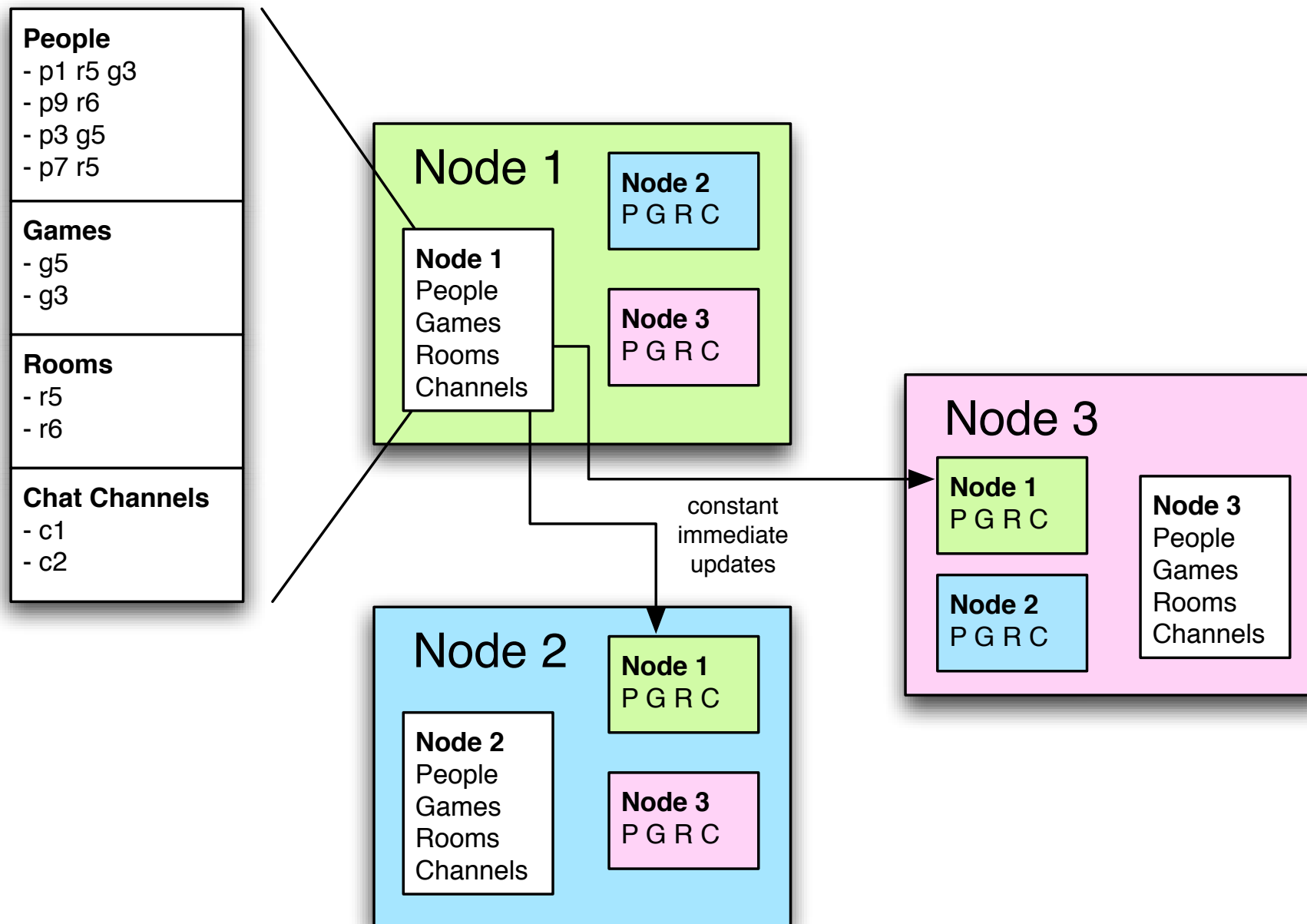
Rooms are on Nodes.



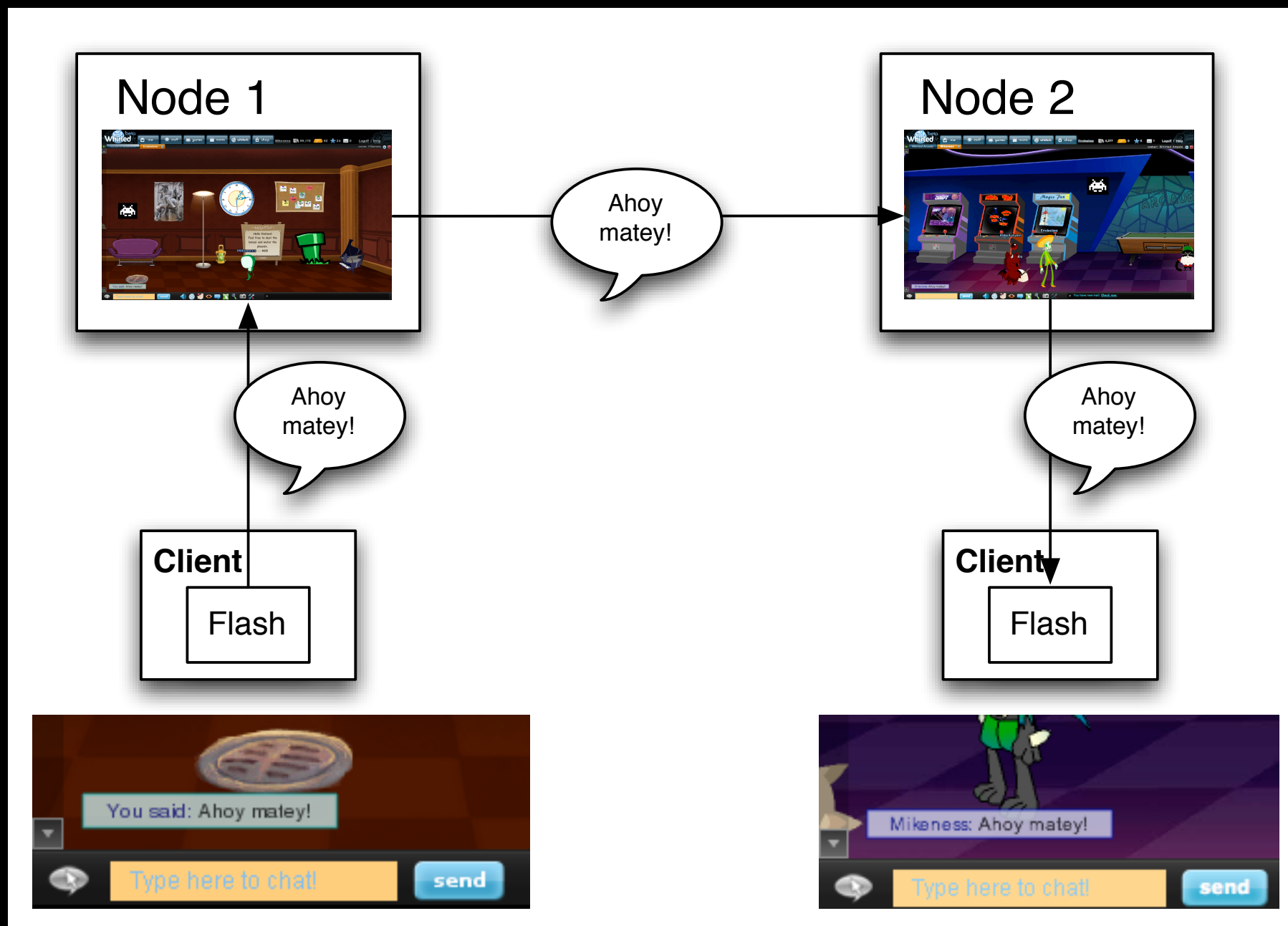
Clients talk to a Room's Node.
Network traffic is local to the Node.



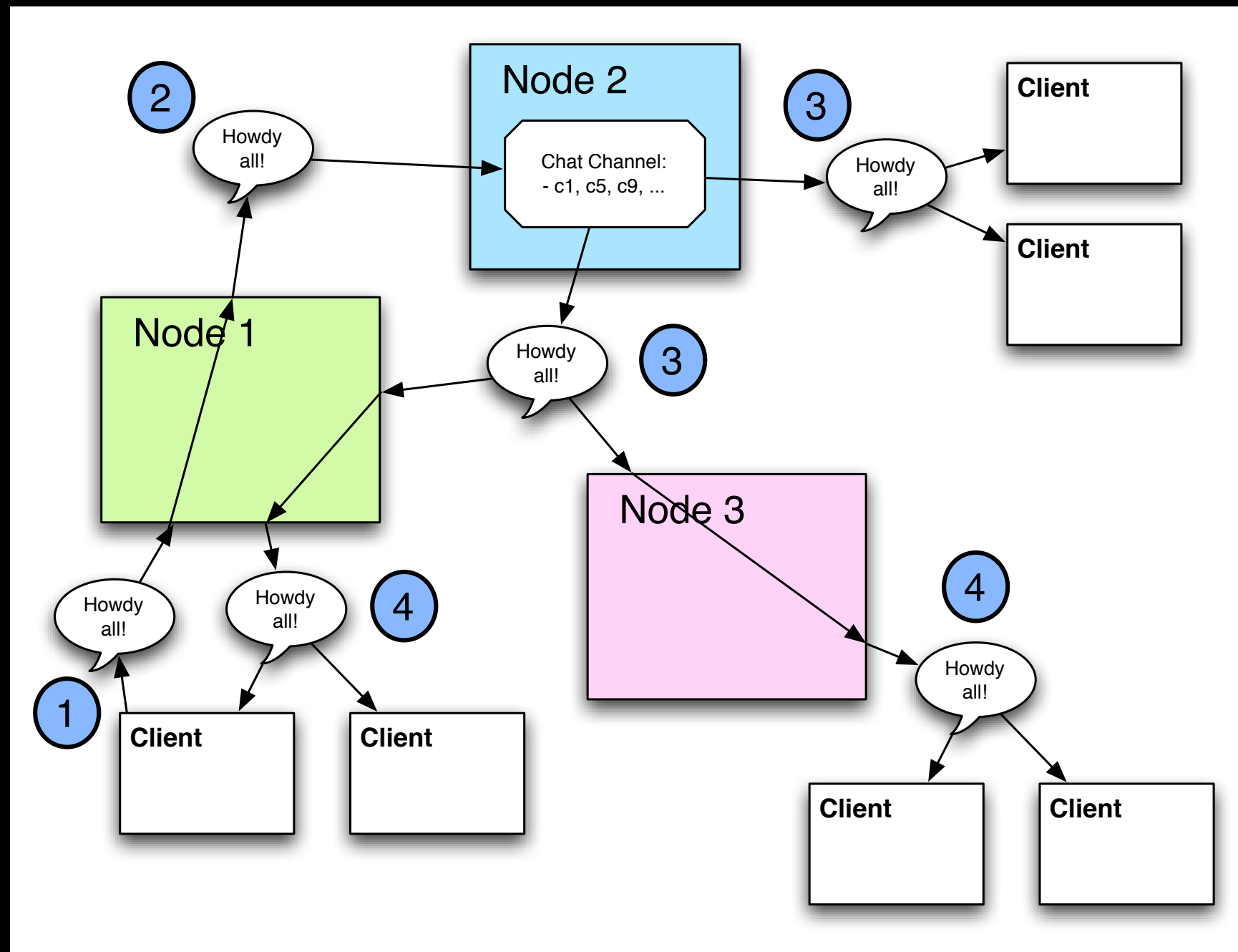
As clients move around the Whirled they switch between nodes.



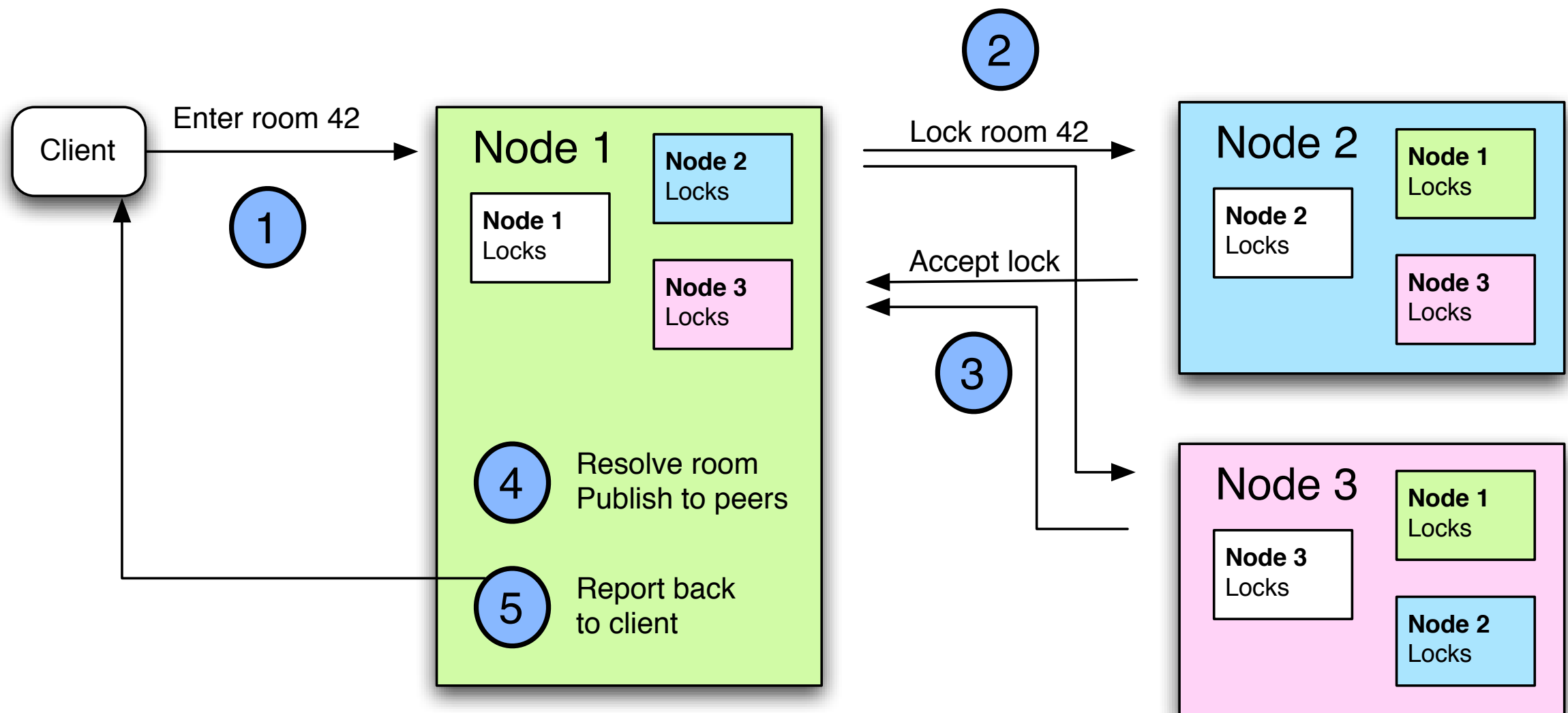
Nodes publish information
visible to all nodes.



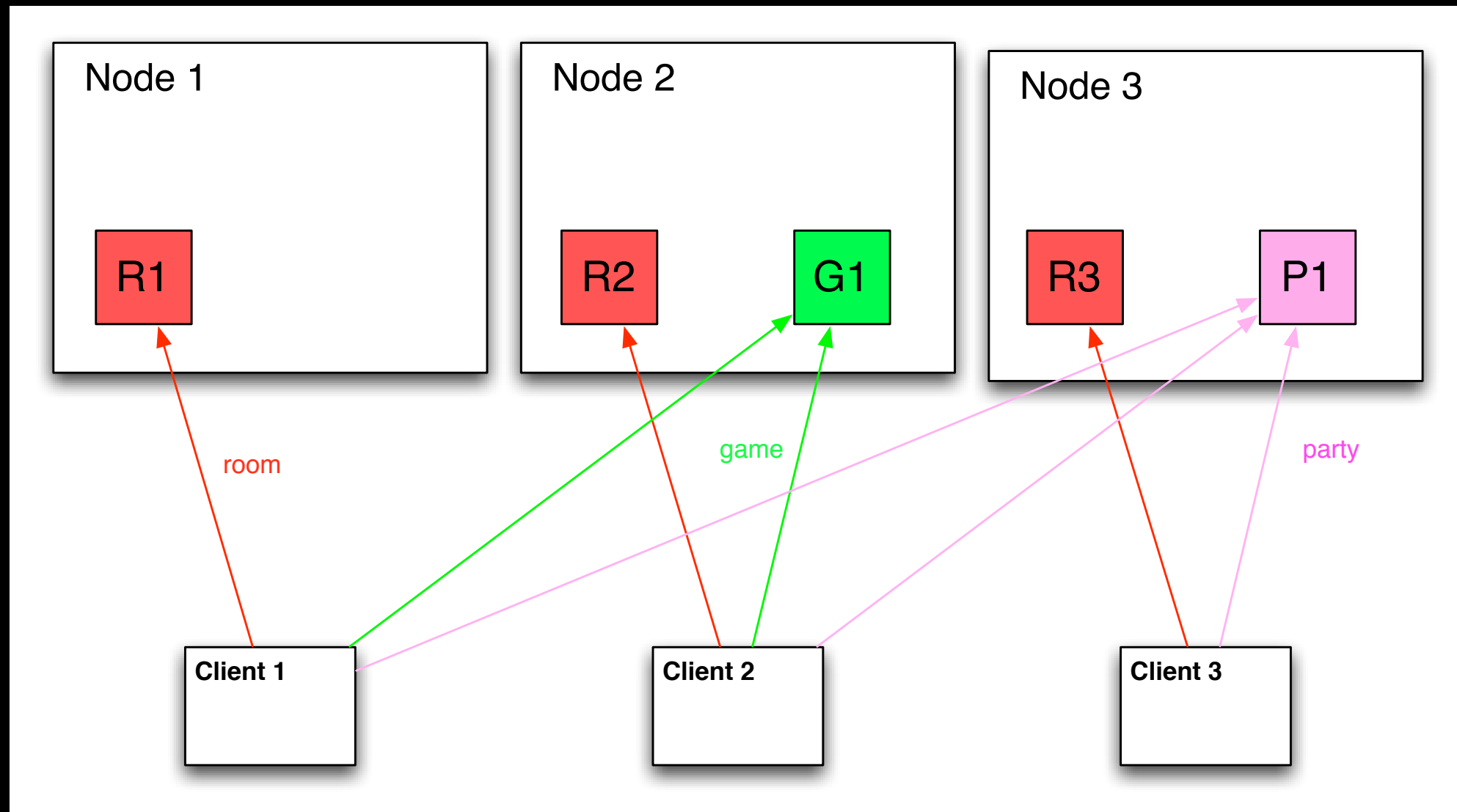
Some things span nodes,
like person to person chat.



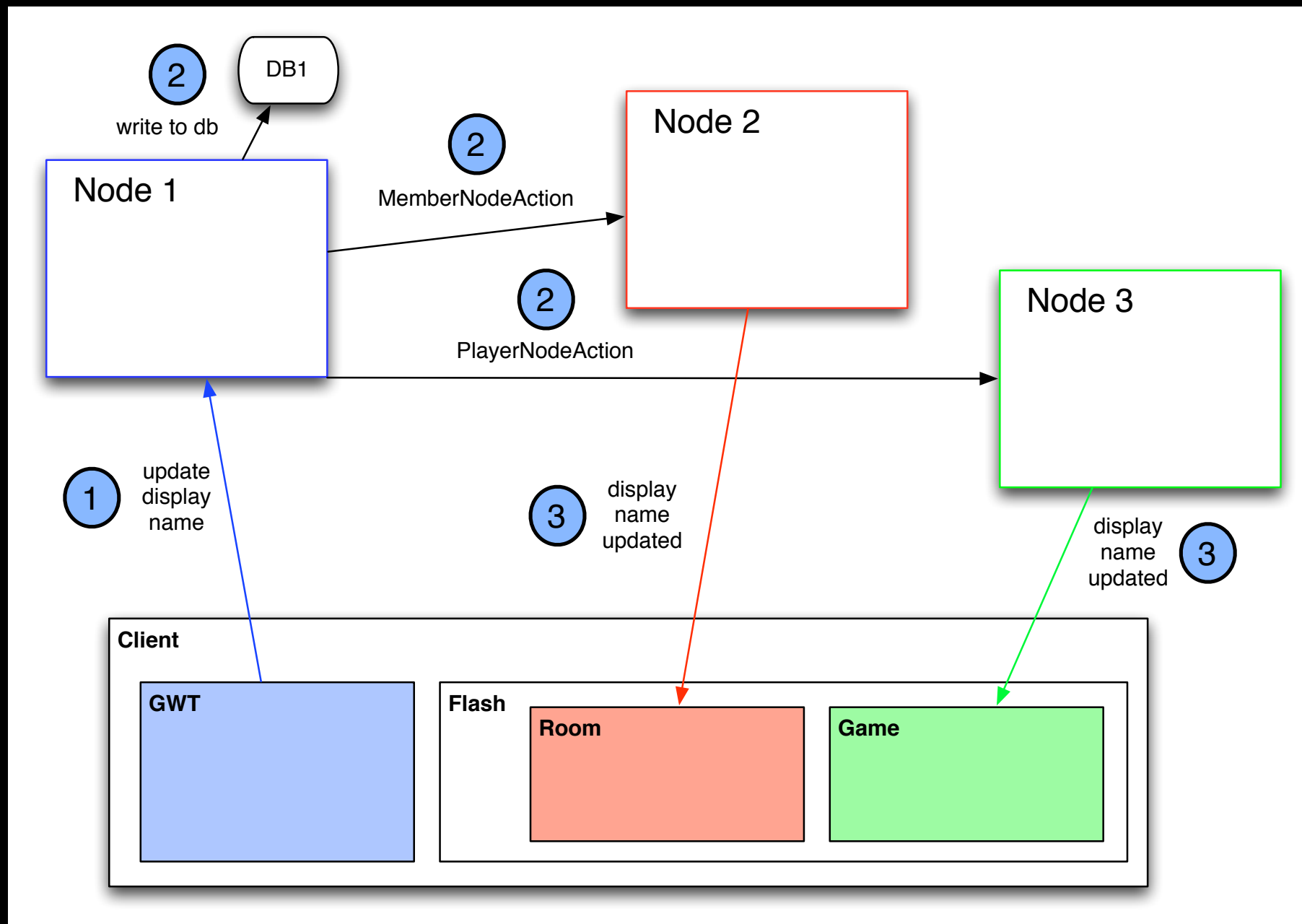
Group chat is more complicated...



Nodes coordinate with a distributed locking protocol.



Clients may maintain multiple distributed object connections.



Things can happen in many places in the network.

```

/** Handles informing a game server that a player's display name has changed. */
protected static class DisplayNameUpdated extends PlayerNodeAction
{
    public DisplayNameUpdated (MemberName name) {
        super(name.getMemberId());
        _name = name.toString();
    }

    public DisplayNameUpdated () {
    }

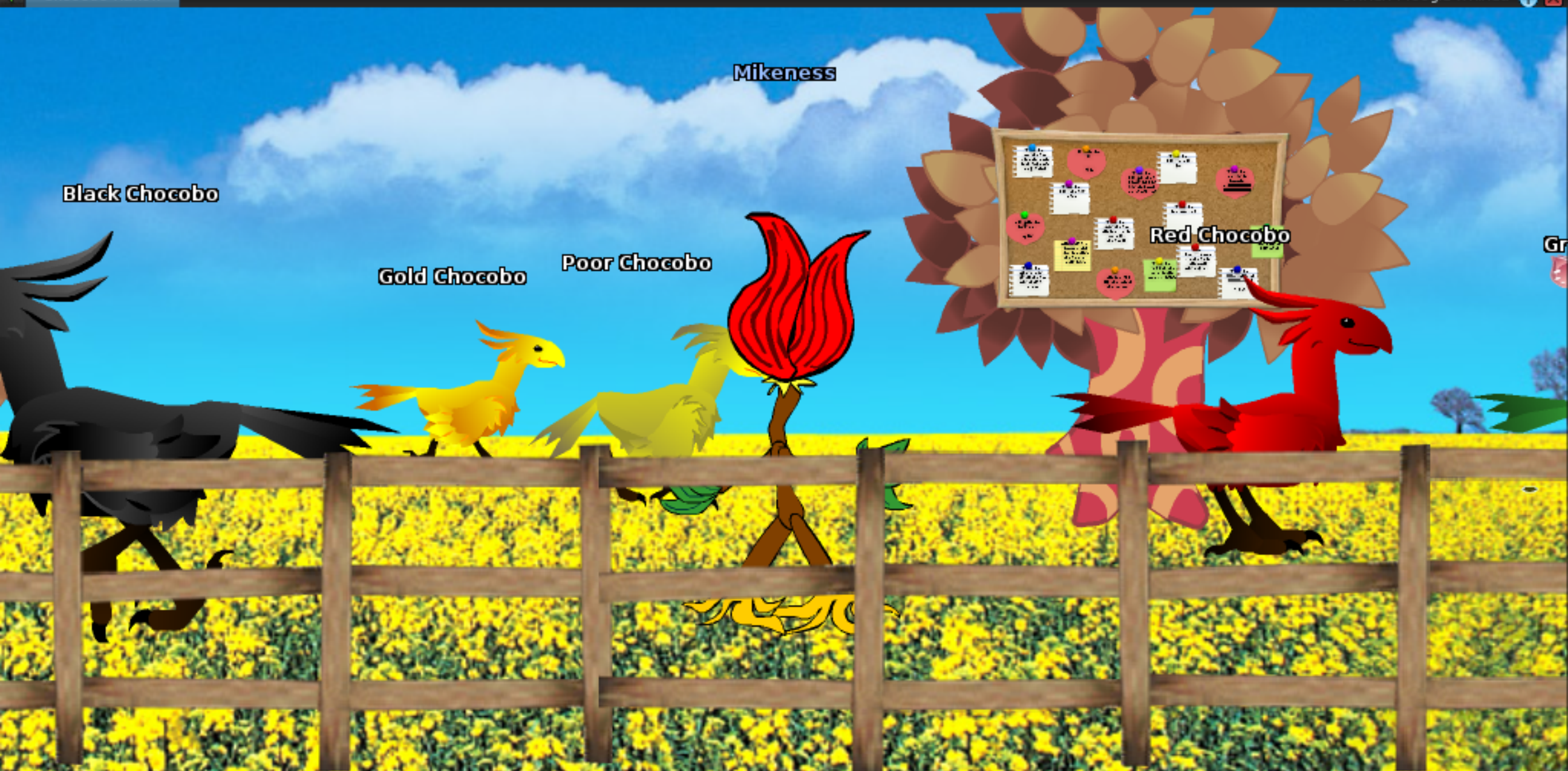
    protected void execute (PlayerObject pobj) {
        // update their player object
        pobj.setMemberName(
            new VizMemberName(_name, pobj.getMemberId(), pobj.getHeadShotMedia()));

        // update their name in their occupied "place" (game) if any
        _bodyMan.updateOccupantInfo(
            pobj, new OccupantInfo.NameUpdater(pobj.getVisibleName()));
    }

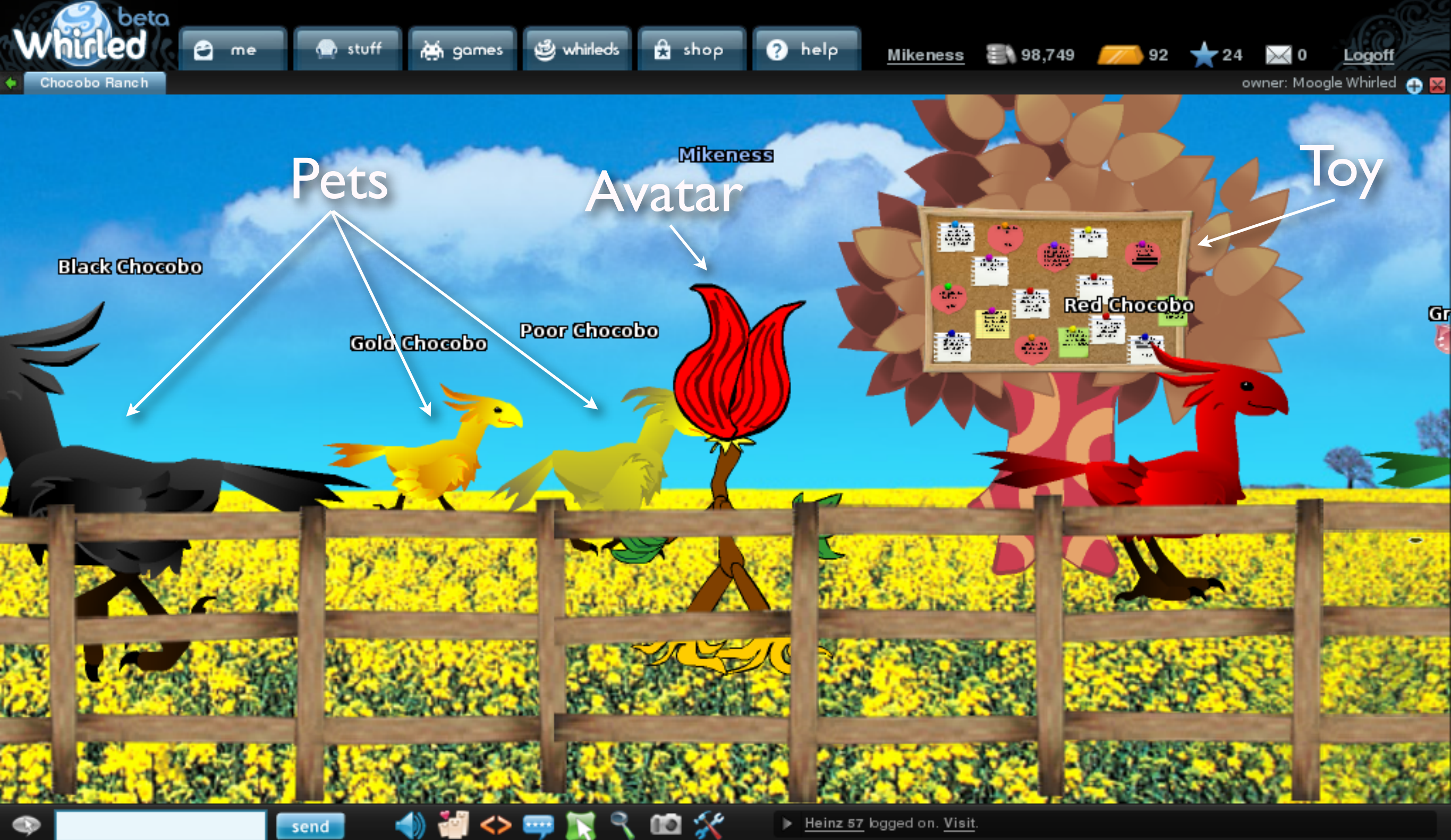
    protected String _name;
    @Inject protected transient BodyManager _bodyMan;
}

```

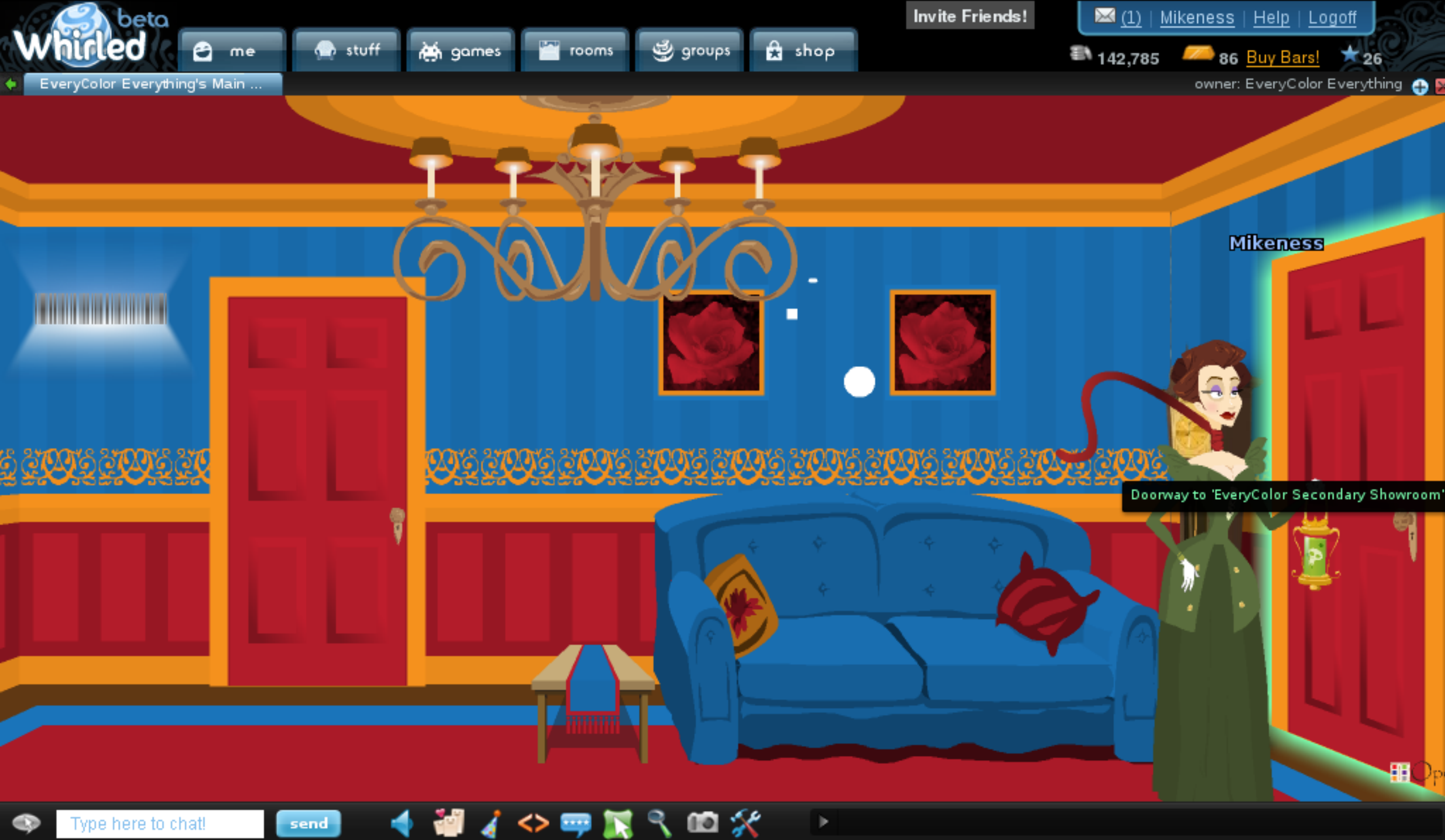
NodeAction makes it simple to do things from anywhere.



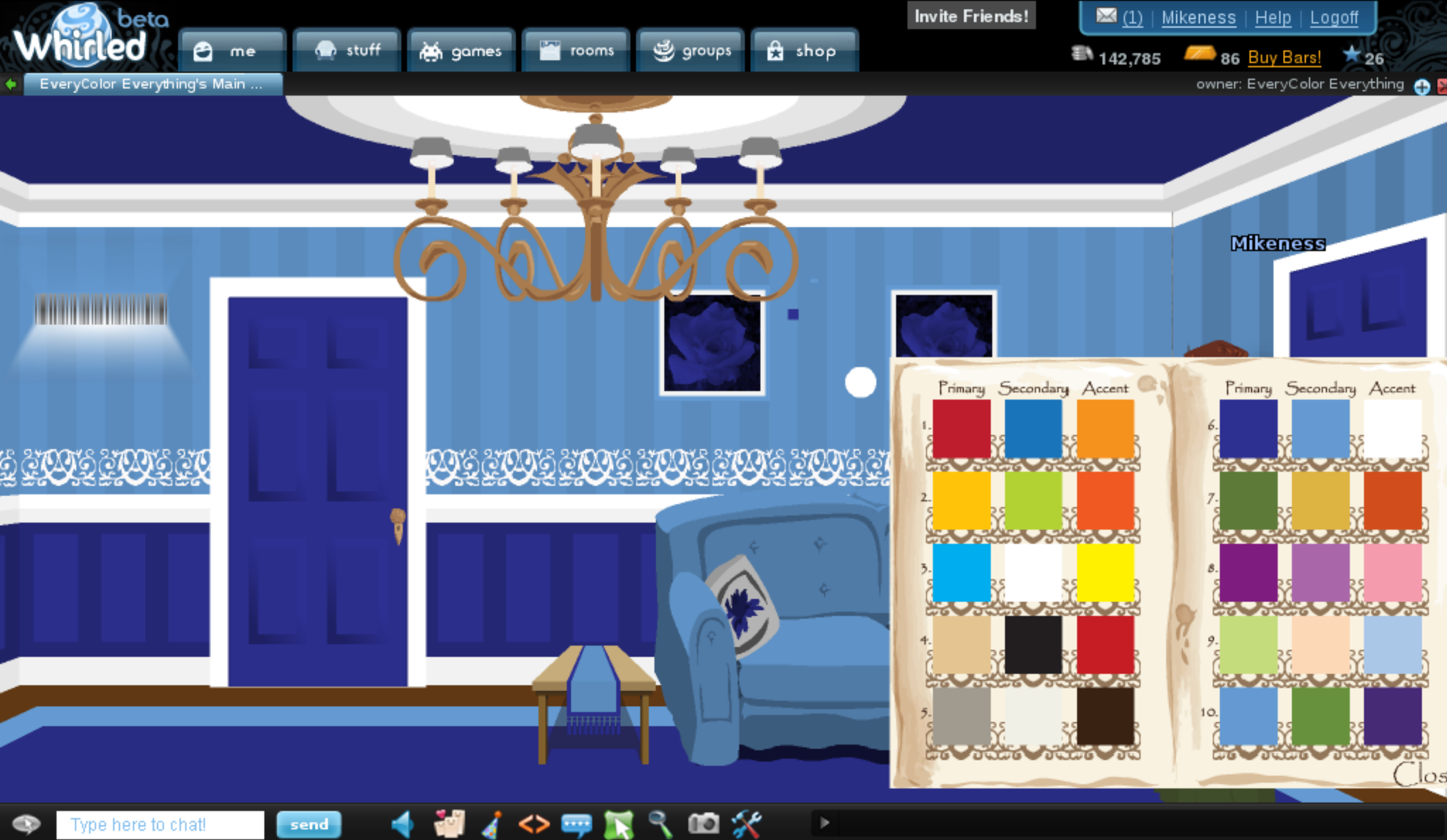
Whirled is Entities.



Entities are Avatars, Pets, Toys



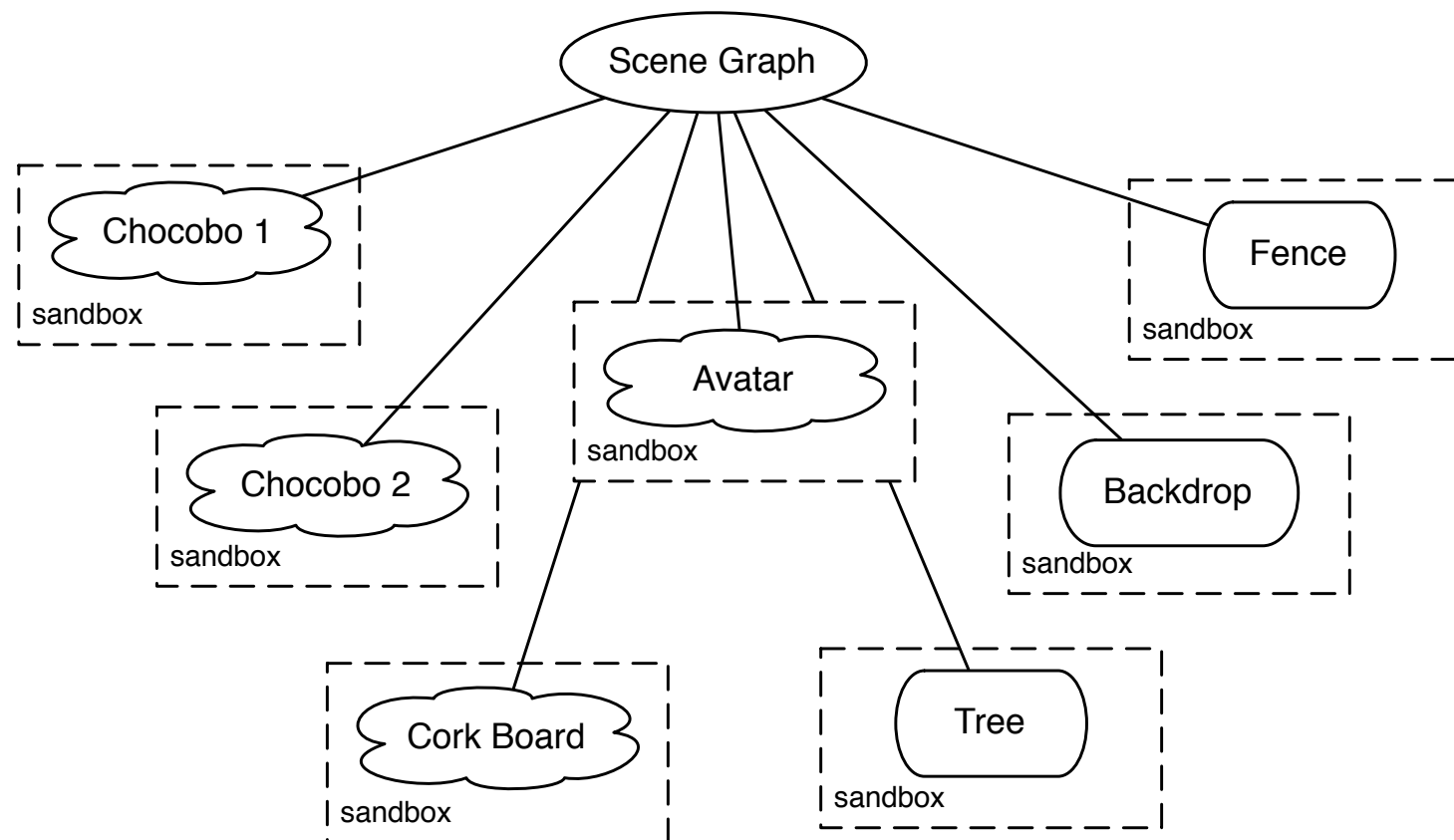
even Furniture and Backdrops.



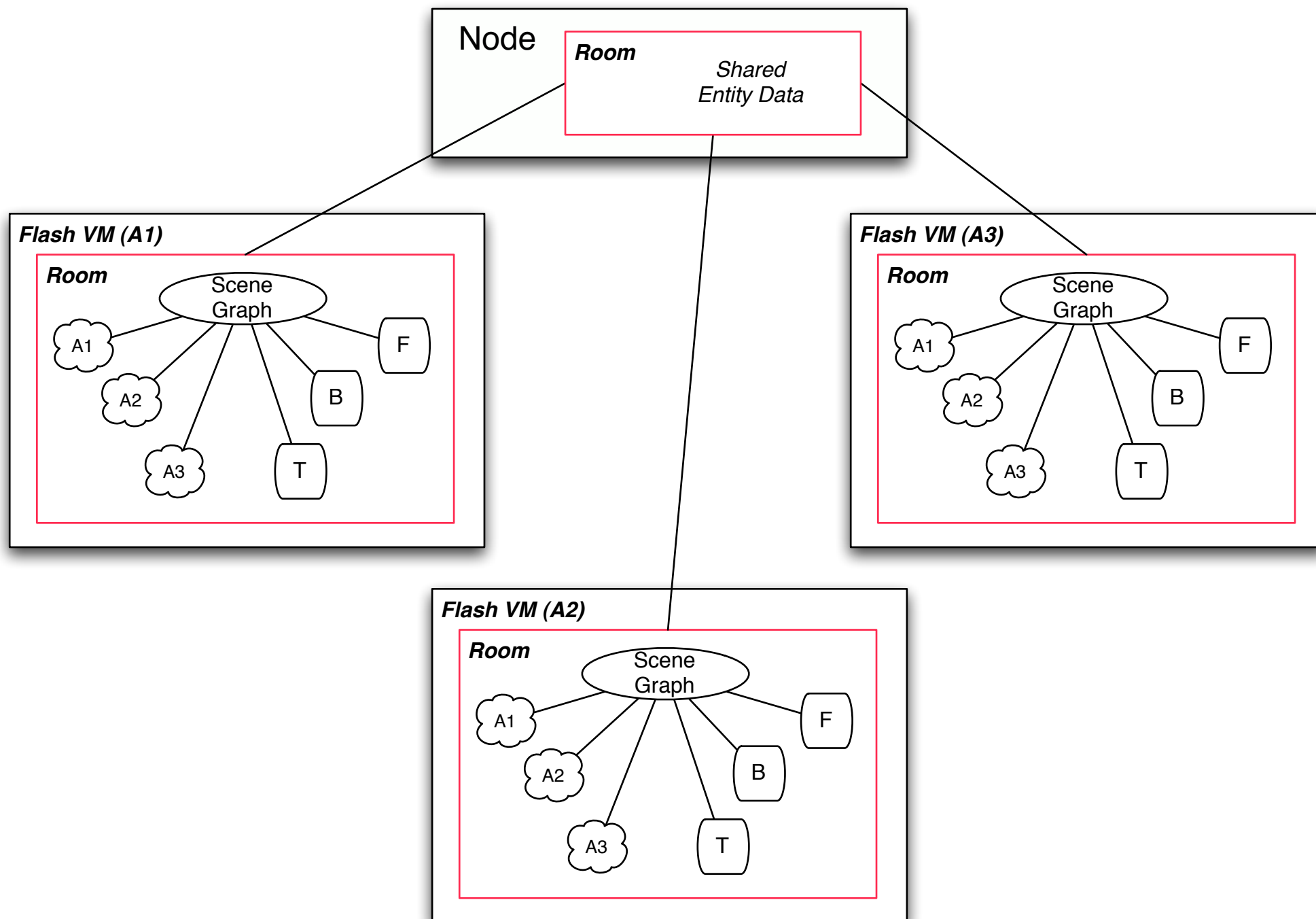
even Furniture and Backdrops.

Flash VM

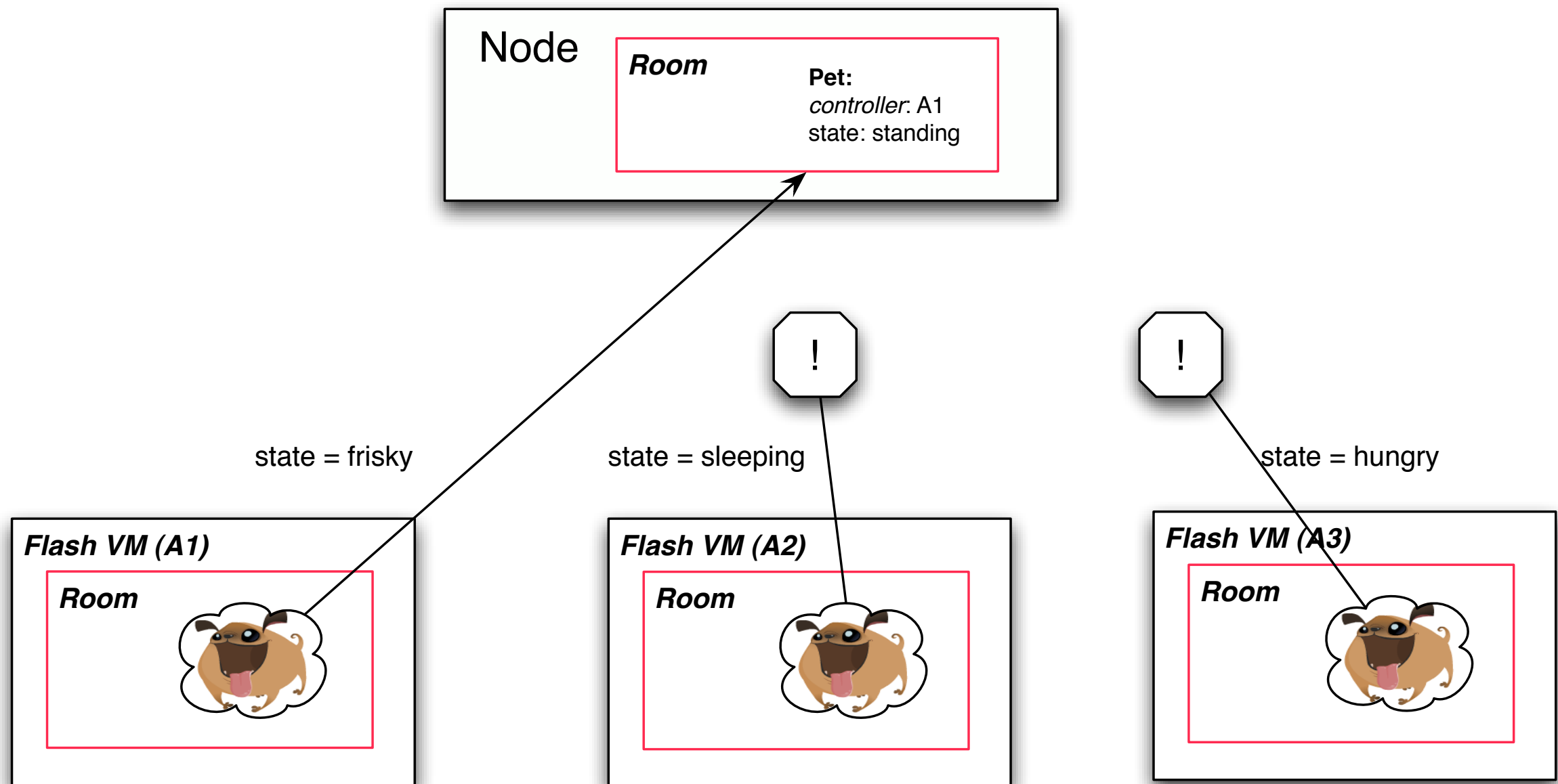
Room



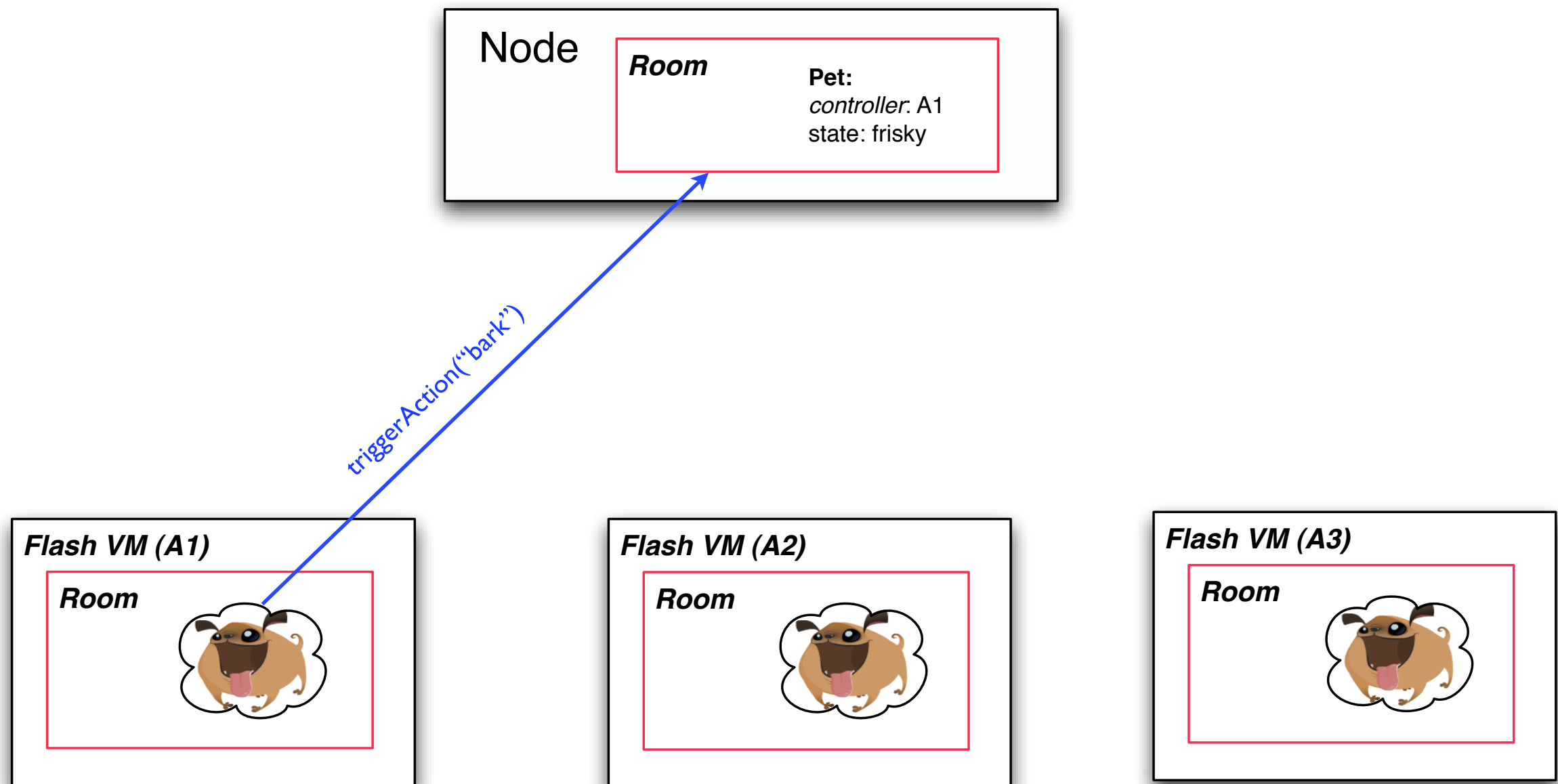
Code for entities runs on the client.



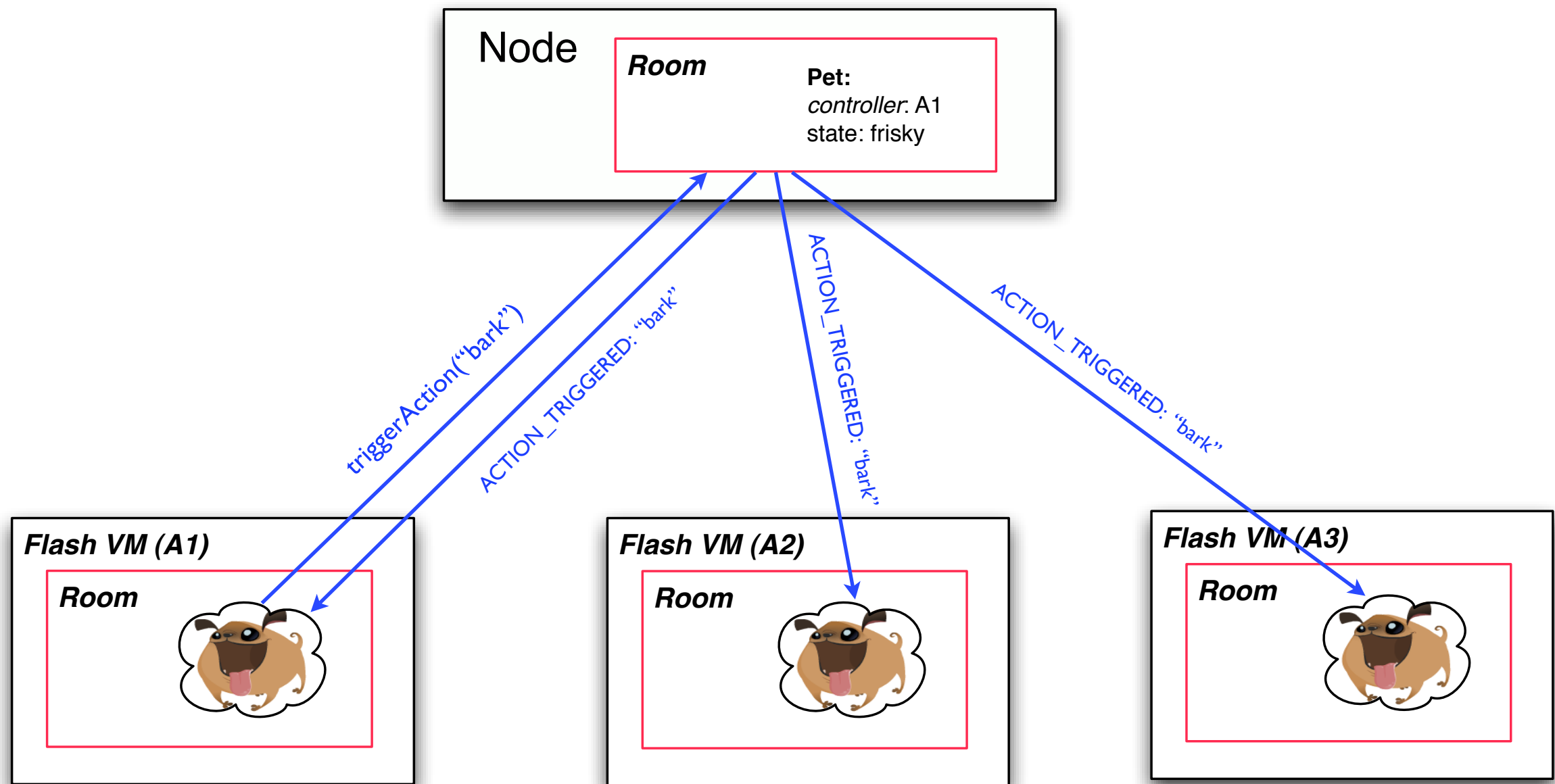
Actually, it runs on *all* clients.



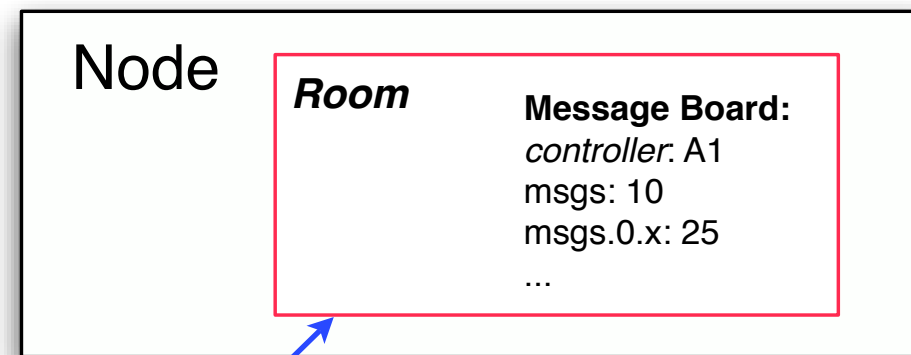
We simplify with control



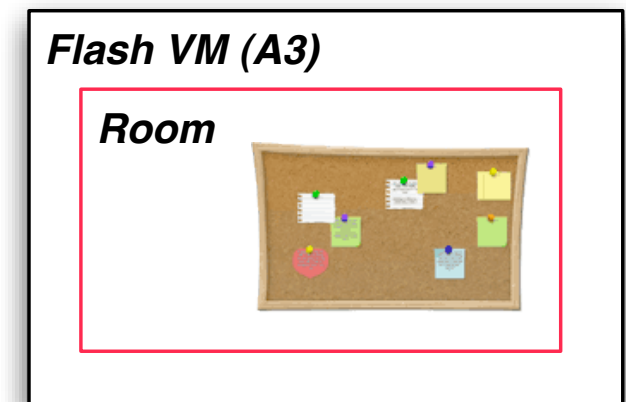
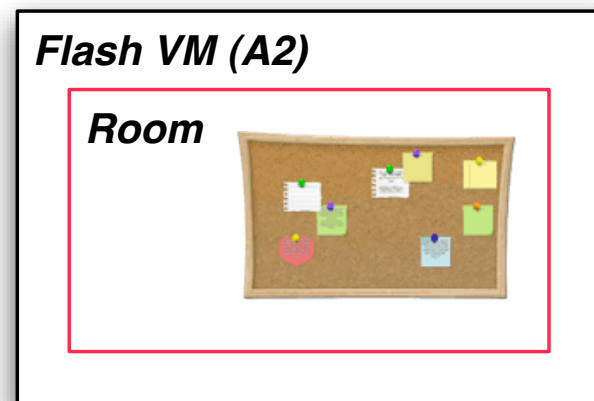
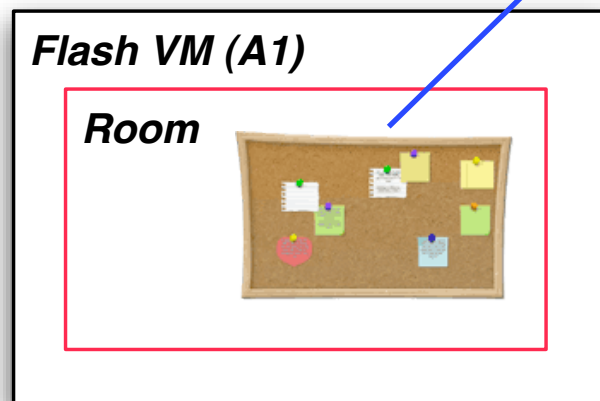
and actions



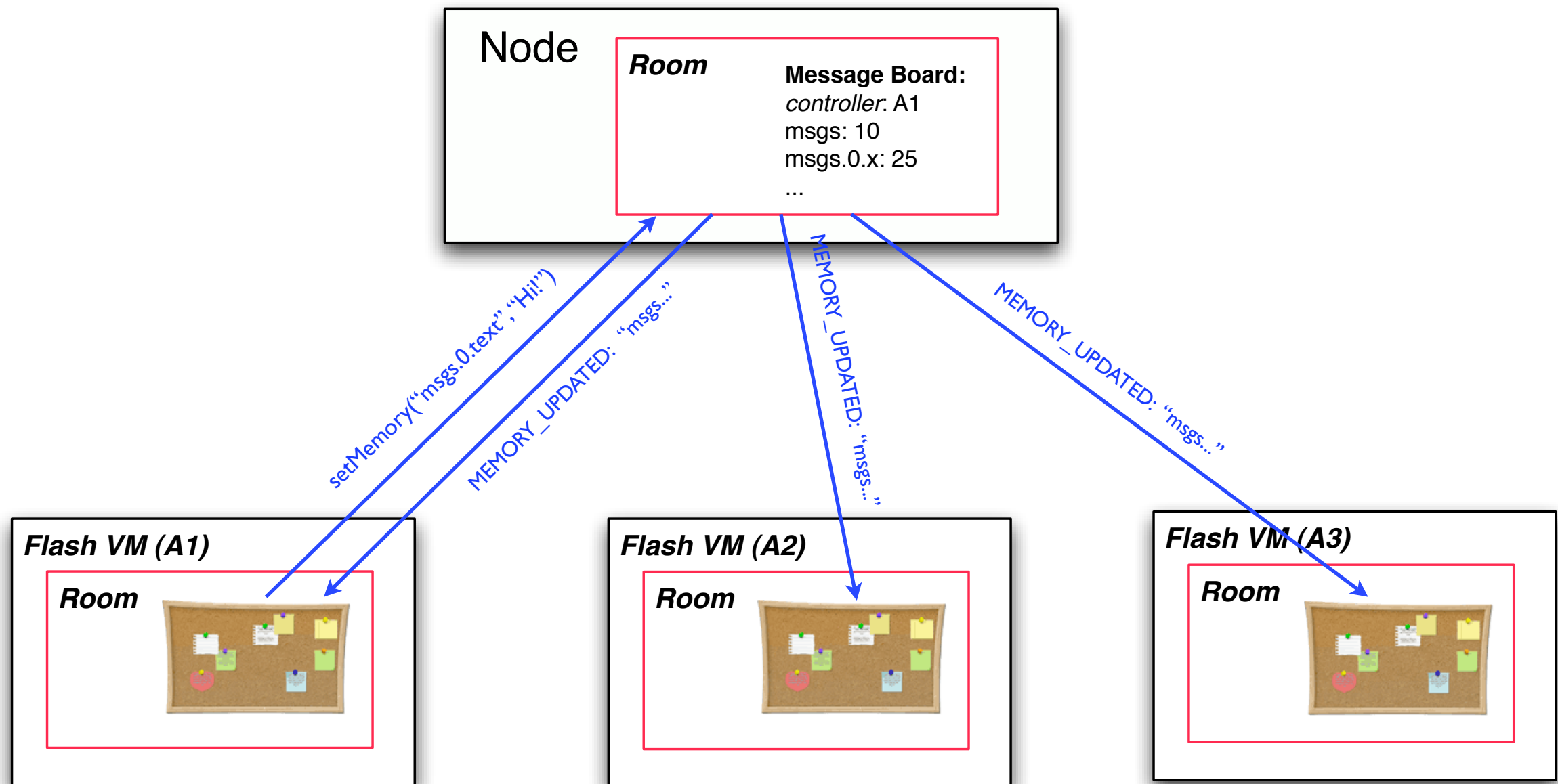
and actions



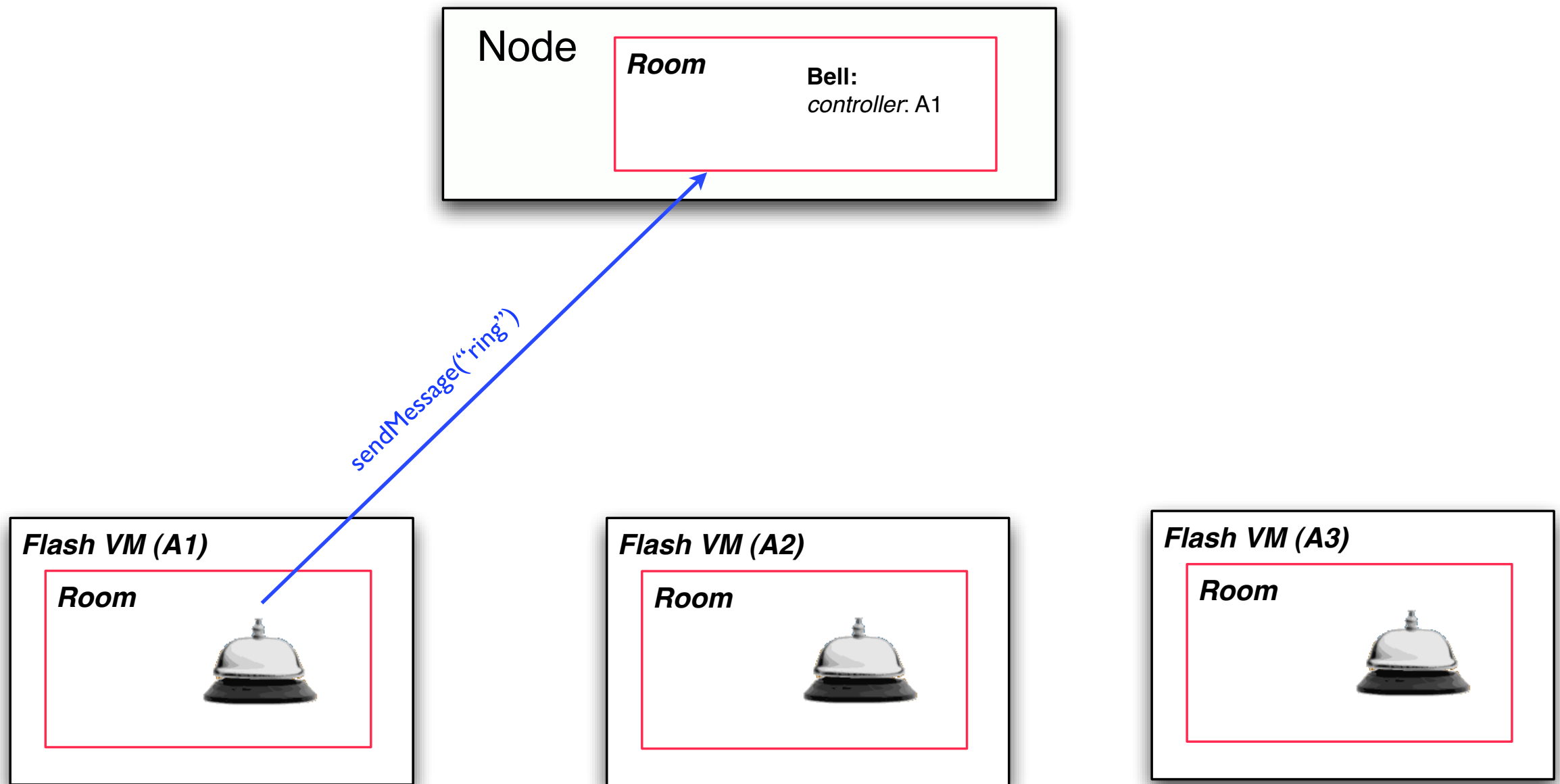
setMemory("msgs.0.text", "Hi!")



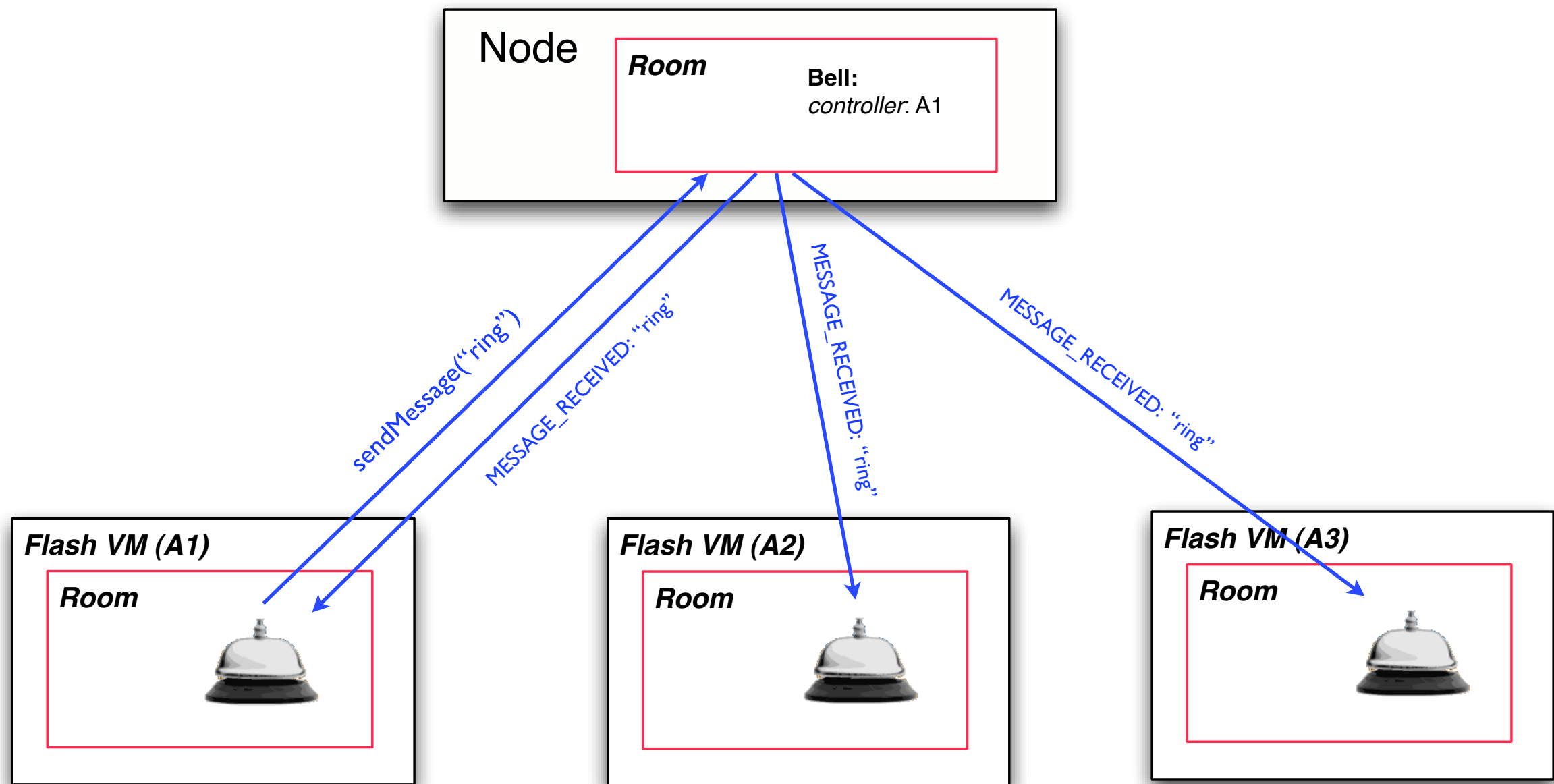
and memory



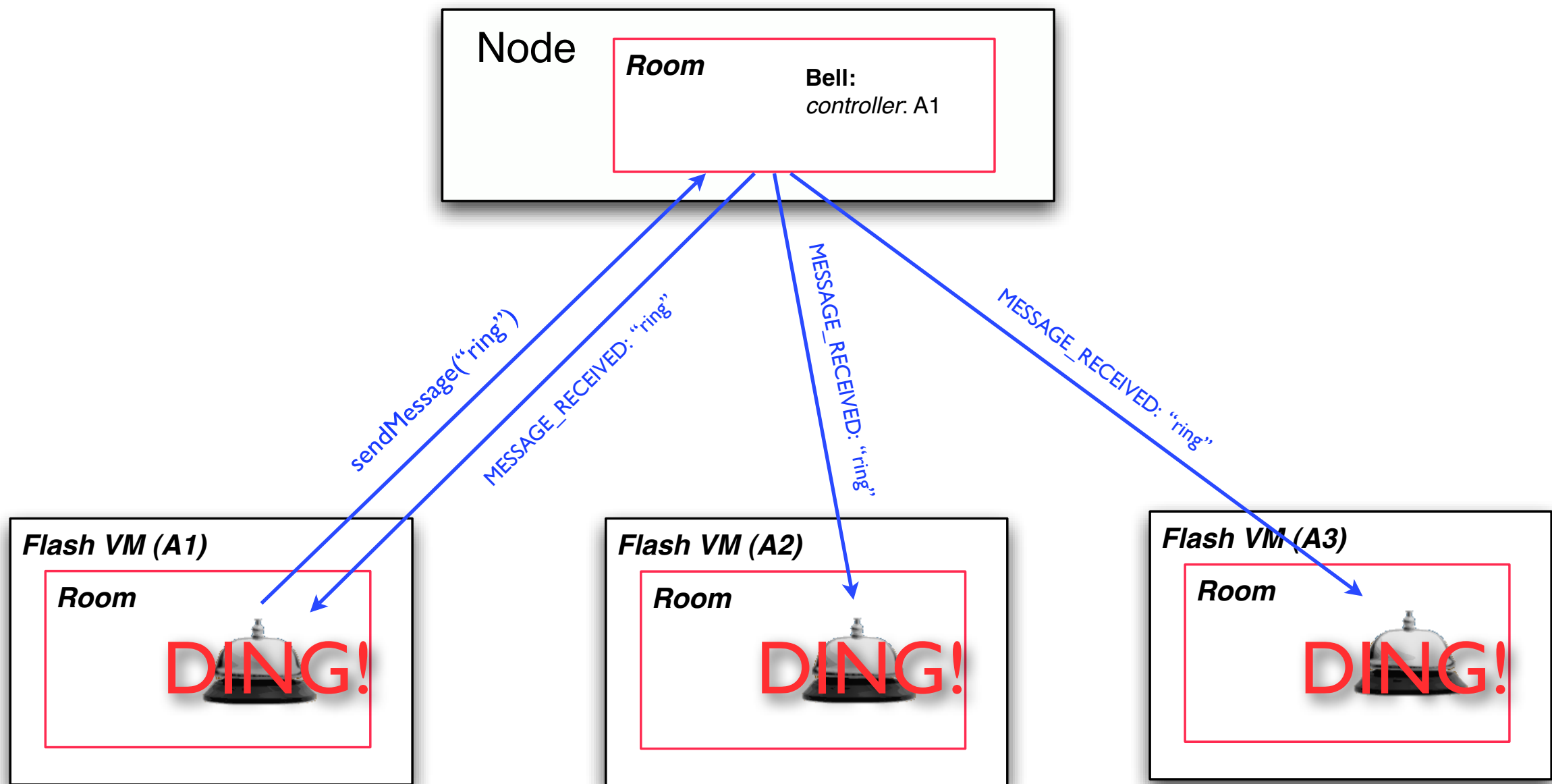
and memory



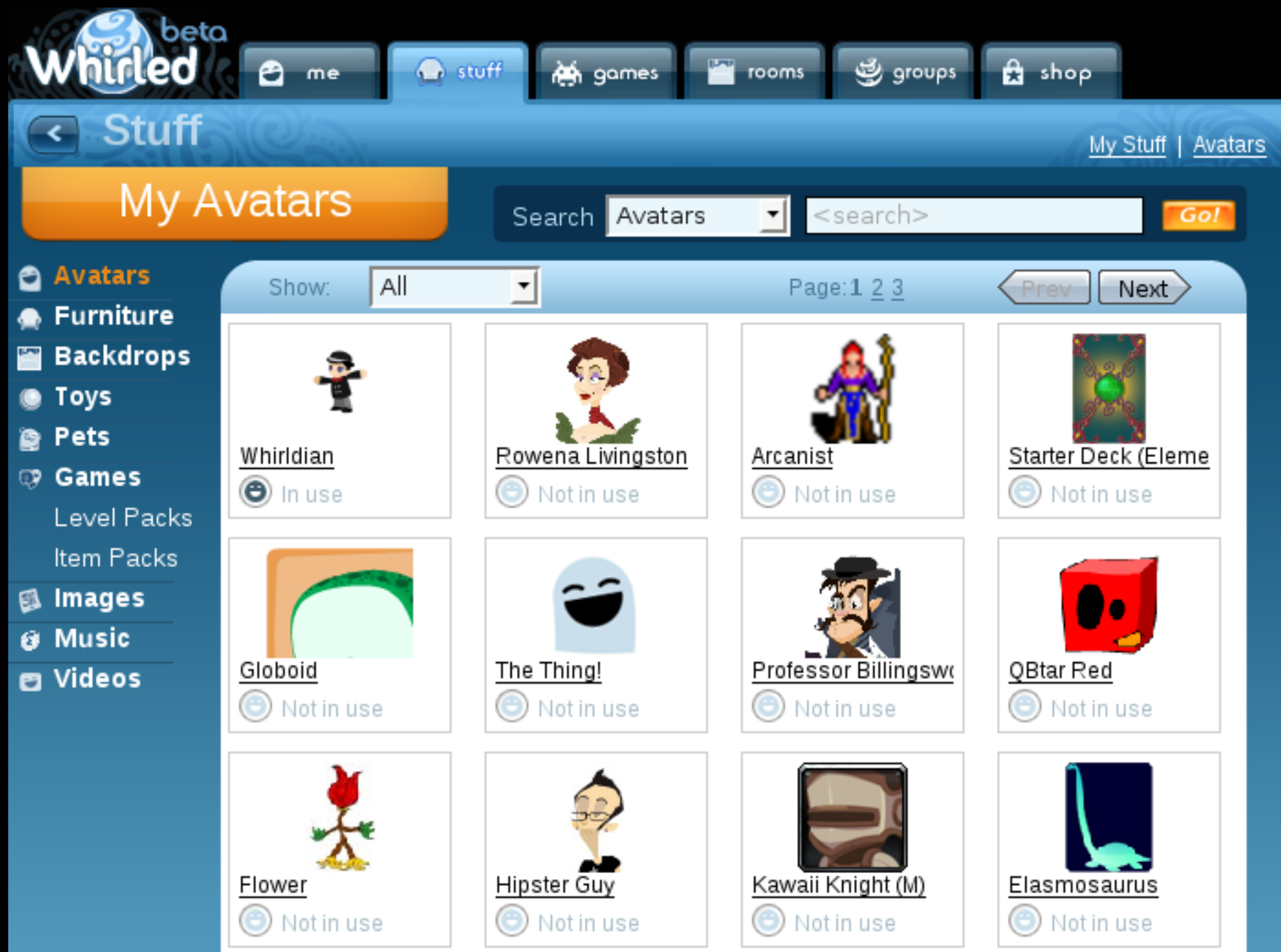
and messages and signals.



and messages and signals.



and messages and signals.



Whirled is Items.

Whirled

beta

me

stuff

games

rooms

groups

shop

<

Stuff

My Stuff | Avatars

Create Avatar

Learn how to create your own avatars on our [wiki](#).

Avatars are usually SWF files. If you want to upload a plain image (animated gifs do not presently work inside Whirled), we can convert it into a cheesy bouncing avatar (you can change a few settings).


Name

Avatar Media
Avatar as seen in rooms

Paint a new image

Upload a new file

Thumbnail Media
Small image shown in My Stuff and the Shop



Max size: 80x60. Larger images will be scaled down to that size.

Edit image

Paint a new image

Upload a new file

Description
This is shown if you list your item in the Shop

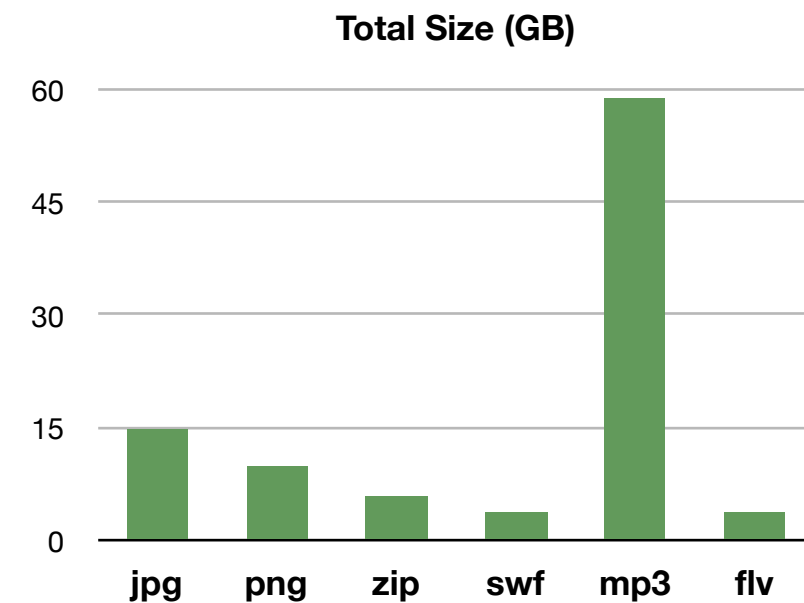
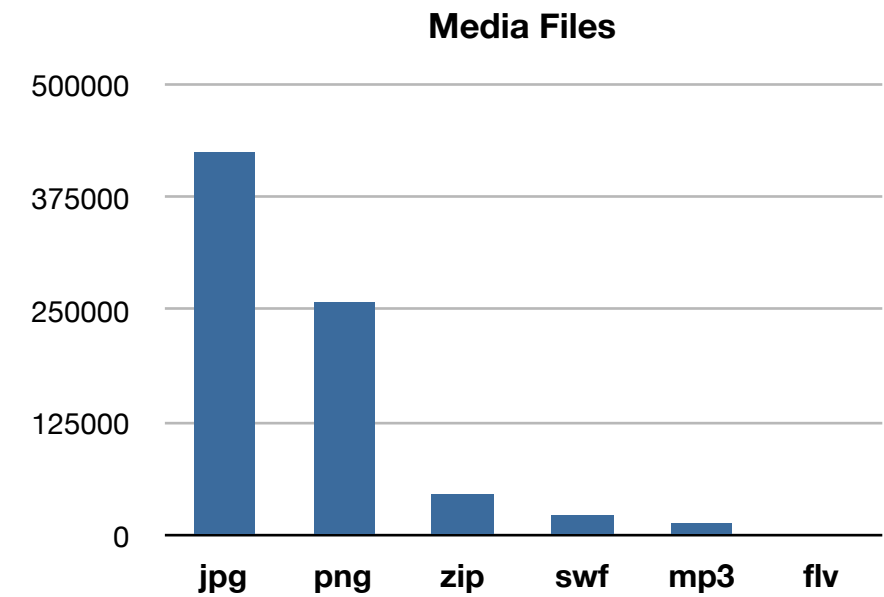
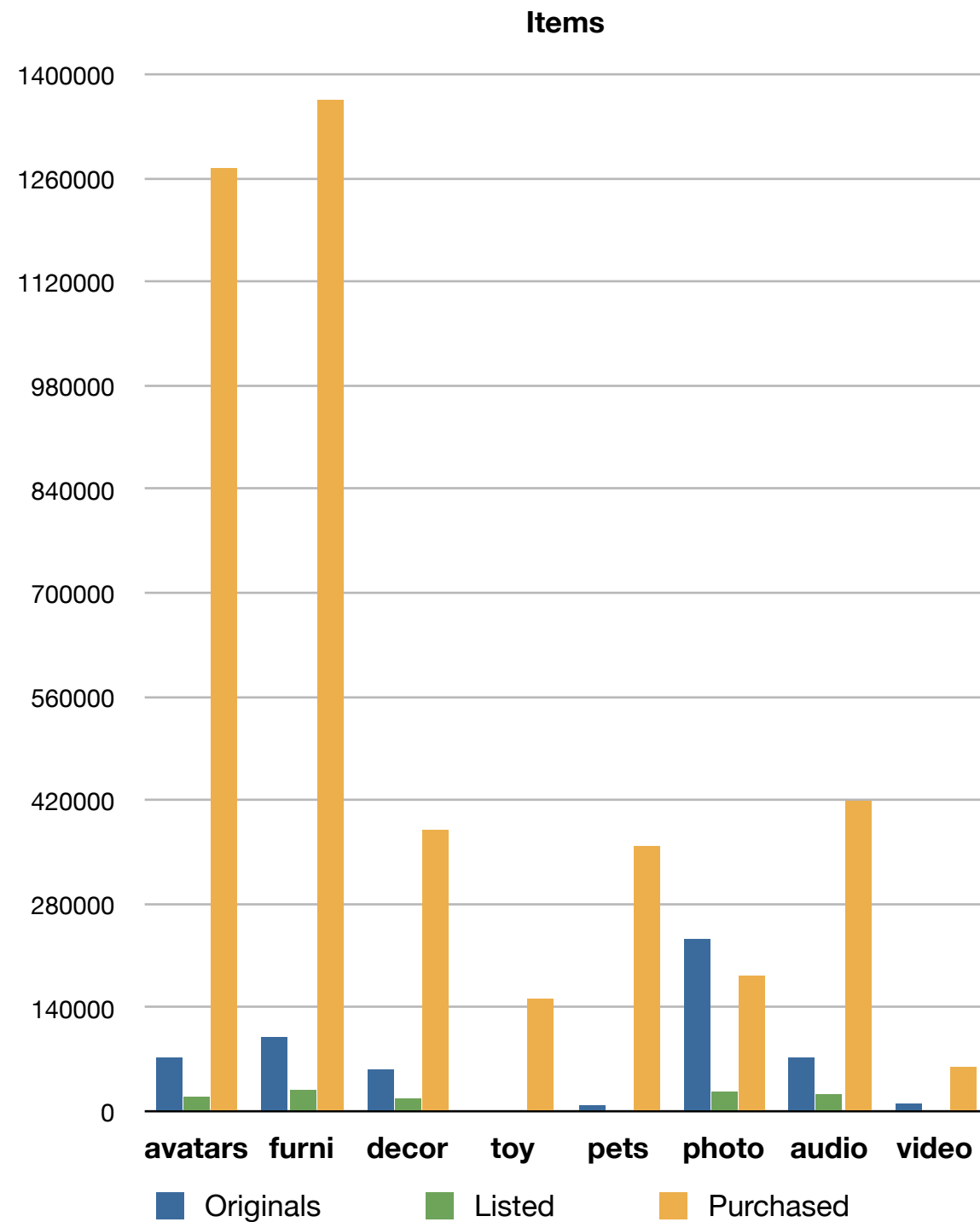
(Characters remaining: 200)

☐ I affirm that I own all copyrights to the media used by this item or I have authorization to upload it

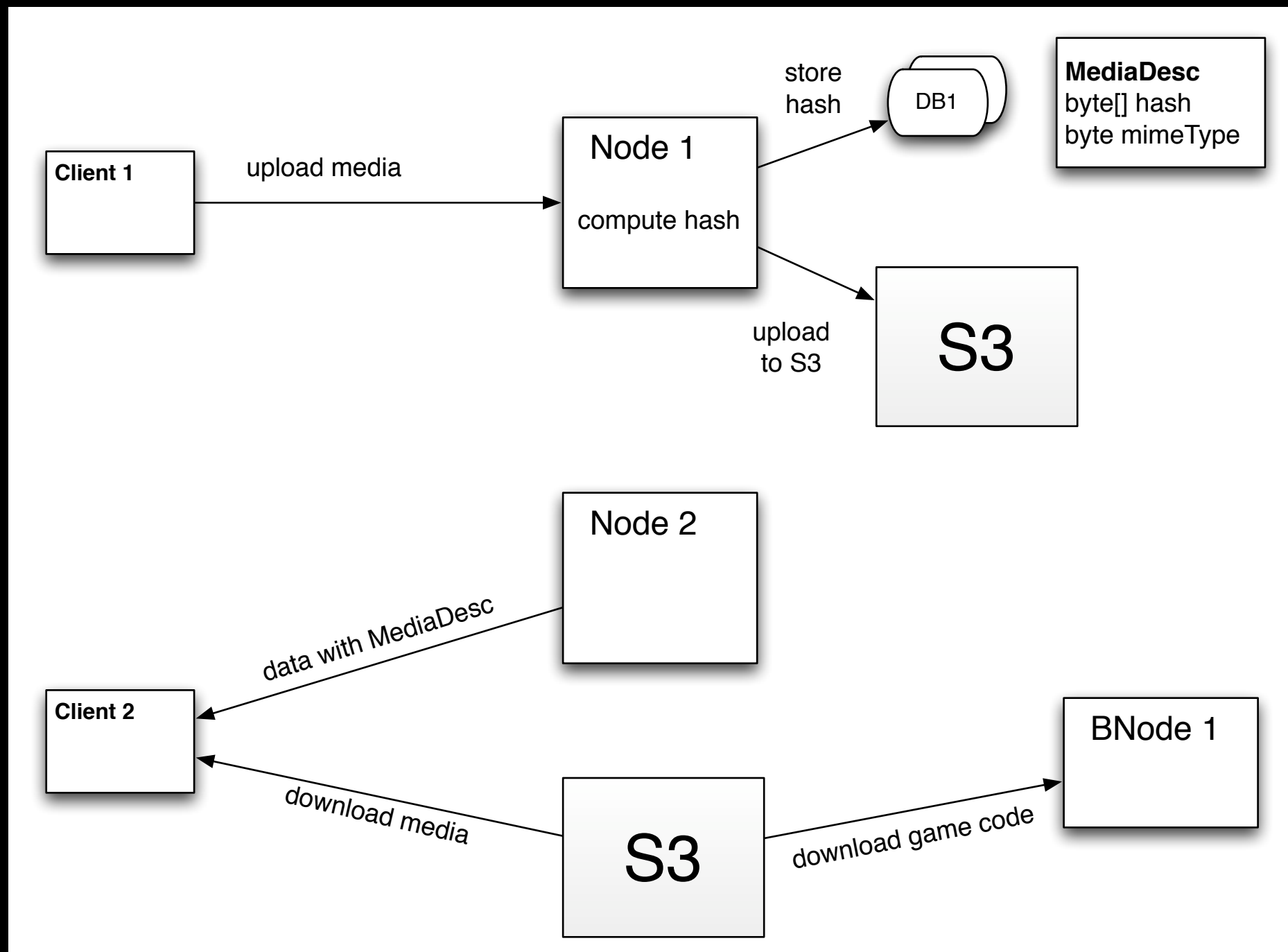
Cancel

Save

Items are created by users.



Users make lots of items.



We keep all this data on S3.

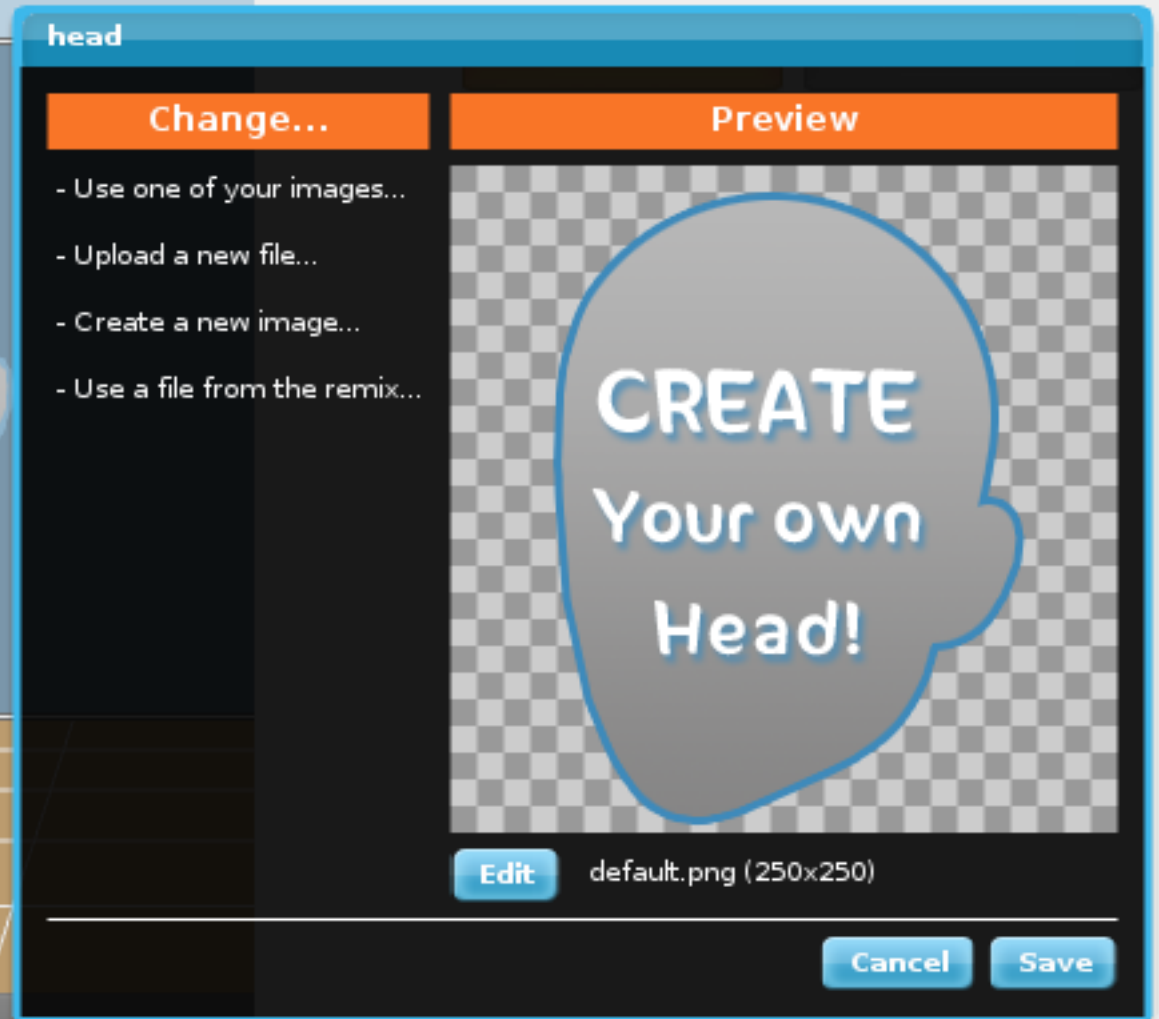
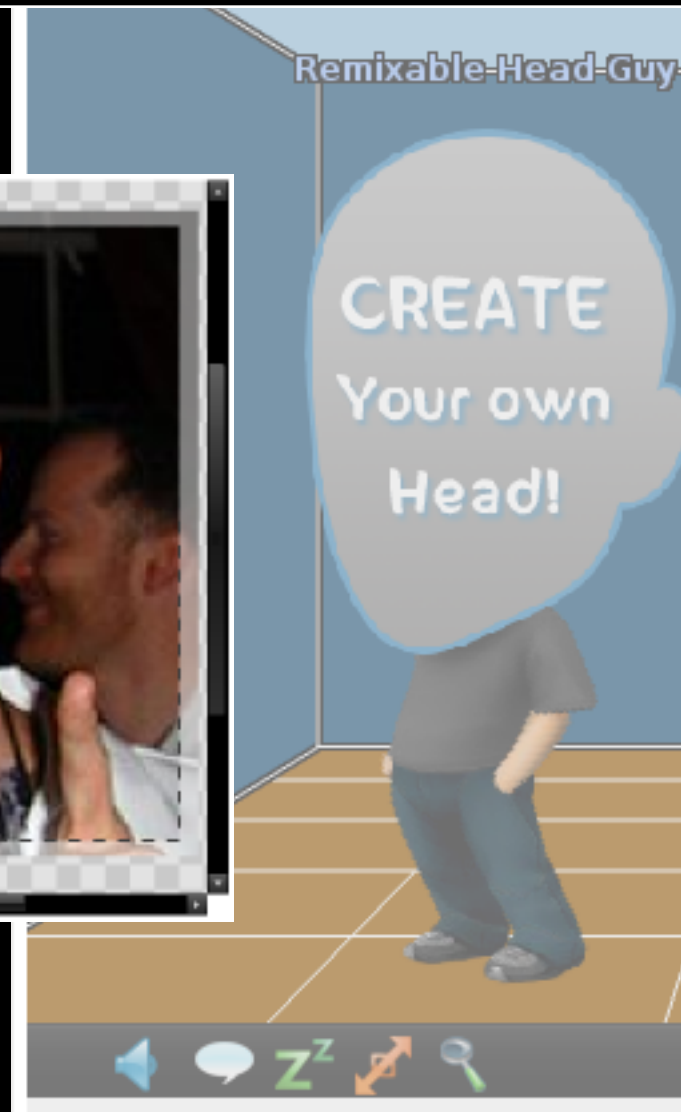


Items can be remixed.


```


<datapack>
  <data name="bounciness" type="Number" value=".2" min="0" max="1"
    info="Determines how high the image should bounce during walking."/>
  <data name="bounceFrequency" type="Number" value="400" min="200" max="1000"
    info="The frequency of the bouncing, in milliseconds."/>
  <data name="imageFacesRight" type="Boolean" value="false"
    info="Indicates that the image defaultly faces right."/>
  <file name="image" type="DisplayObject" value="happyguy.png" maxWidth="600" maxHeight="450"
    info="The image that makes up this avatar."/>
  <file name="_CONTENT" type="Blob" value="ImageFlipper.swf"/>
</datapack>

```



This is mostly some editors
and a file format.

Whirled is Games.












[me](#)
[stuff](#)
[games](#)
[rooms](#)
[groups](#)
[shop](#)

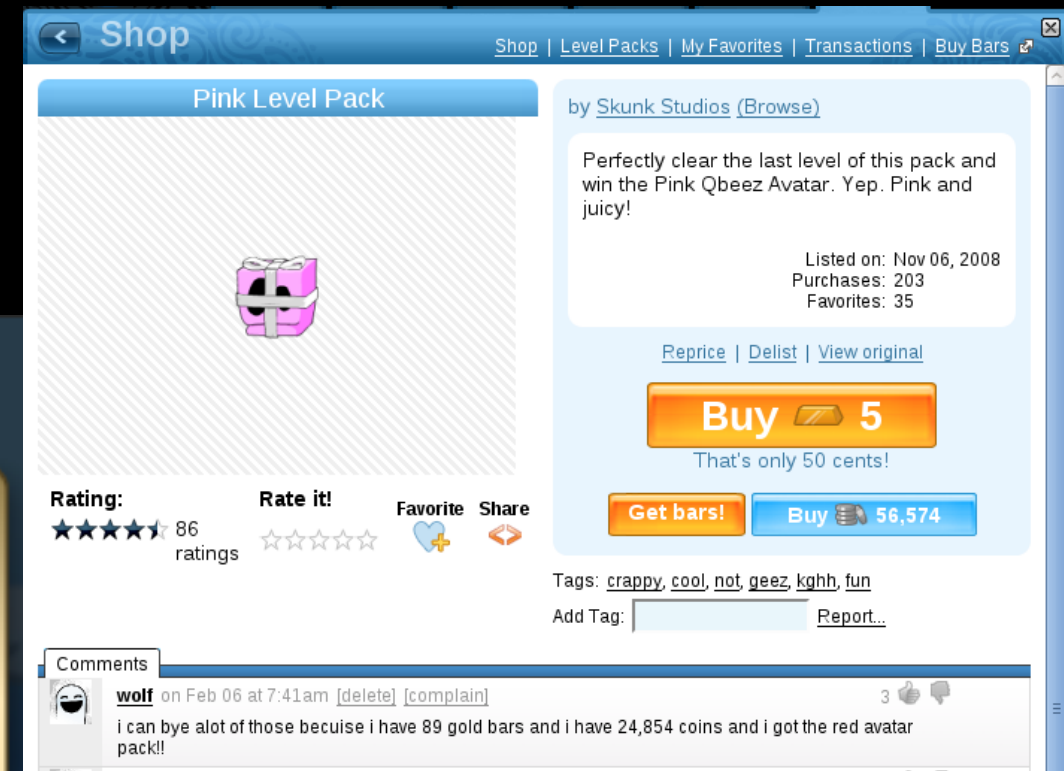
[<](#)

Compare Trophies

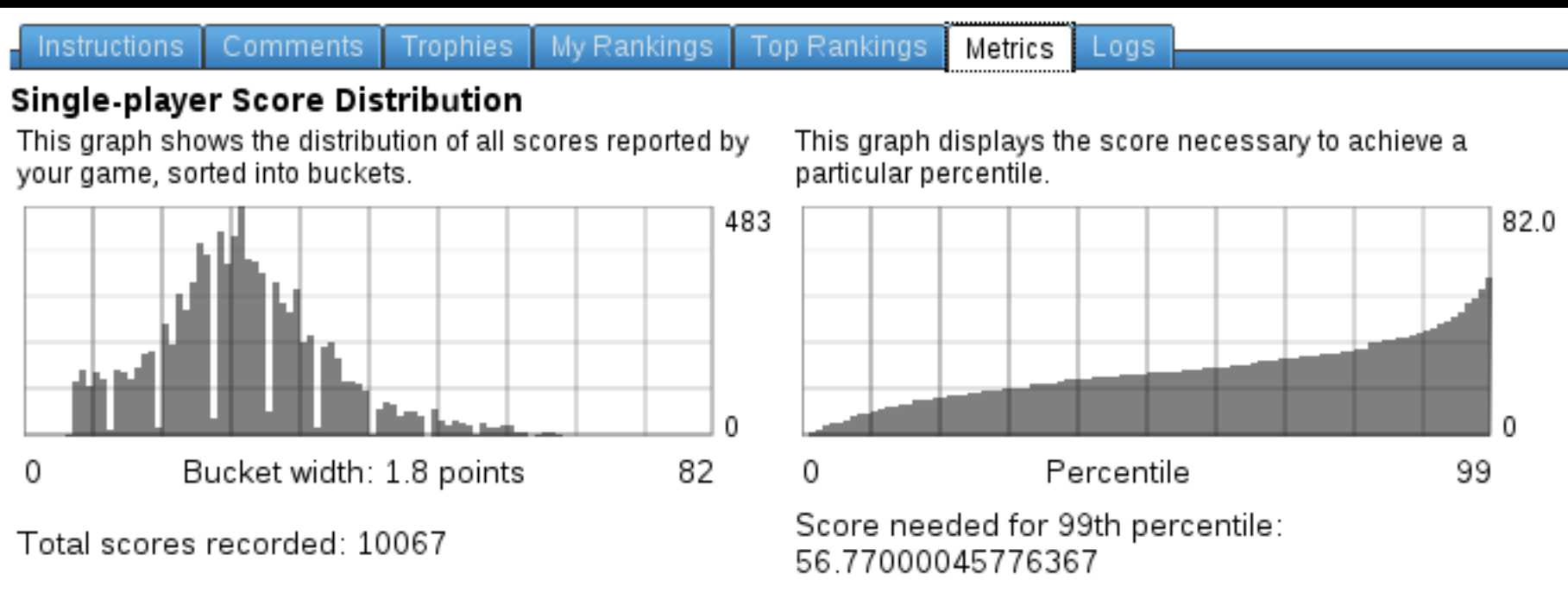
[Games](#)
[My Trophies](#)
[My Favorites](#)
[New Games](#)

 <p><u>Dictionary Attack</u></p>	 <p><u>Cleaver</u></p>	 <p><u>Mikeness</u></p>
<p>Word Ensign Awarded for scoring over 20 points in a single player game.</p>	 Oct 15, 2007	 Oct 09, 2007
<p>Lieutenant Lexicon Awarded for scoring over 30 points in a single player game.</p>	 Oct 15, 2007	 Oct 09, 2007
<p>Commodore Cliché Awarded for scoring over 40 points in a single player game.</p>	<p>Not yet earned.</p>	 Oct 09, 2007
<p>Vice Admiral Verbiage Awarded for scoring over 50 points in a single player game.</p>	<p>Not yet earned.</p>	 Feb 19

Games can award trophies, prizes.



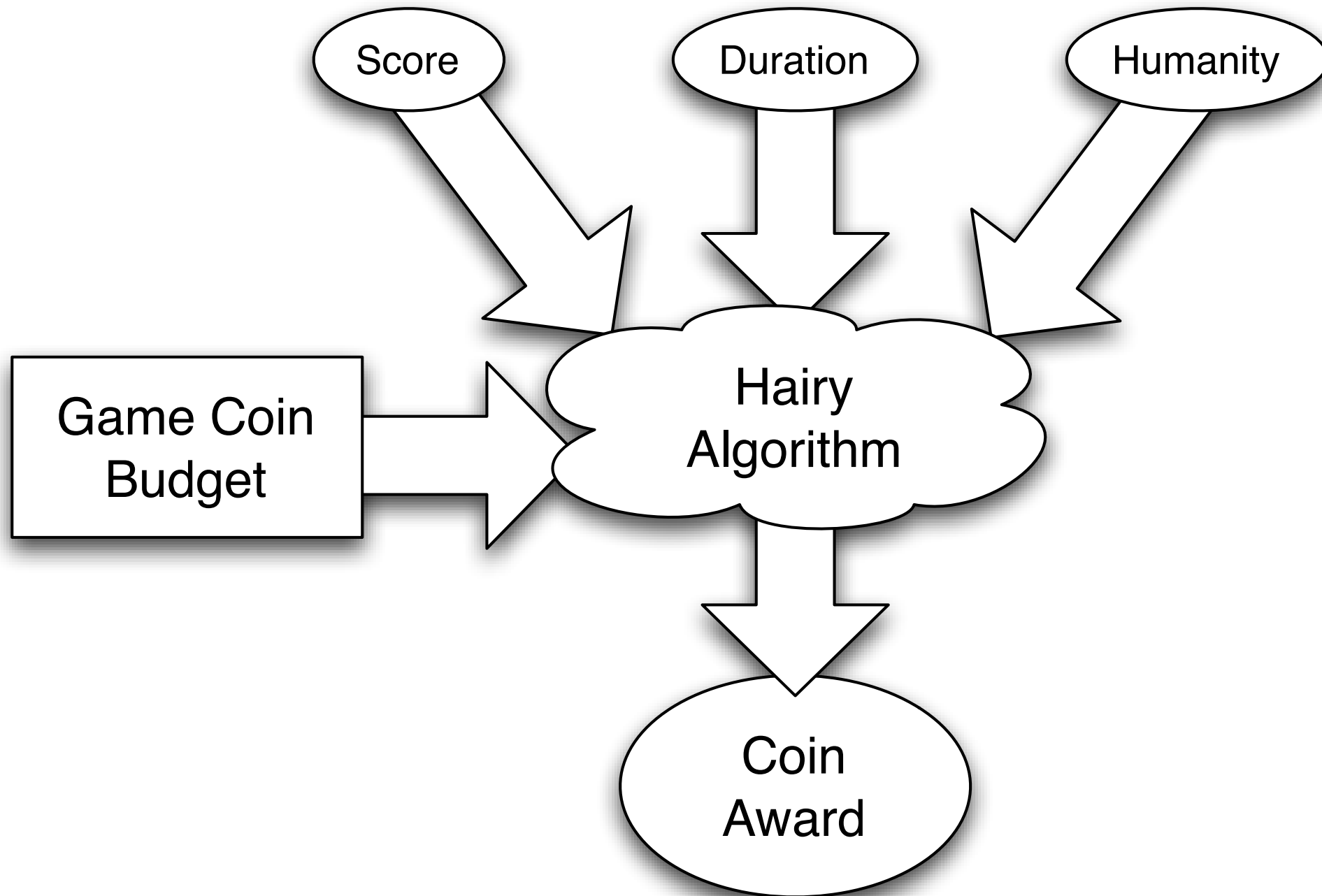
Games can sell content packs.



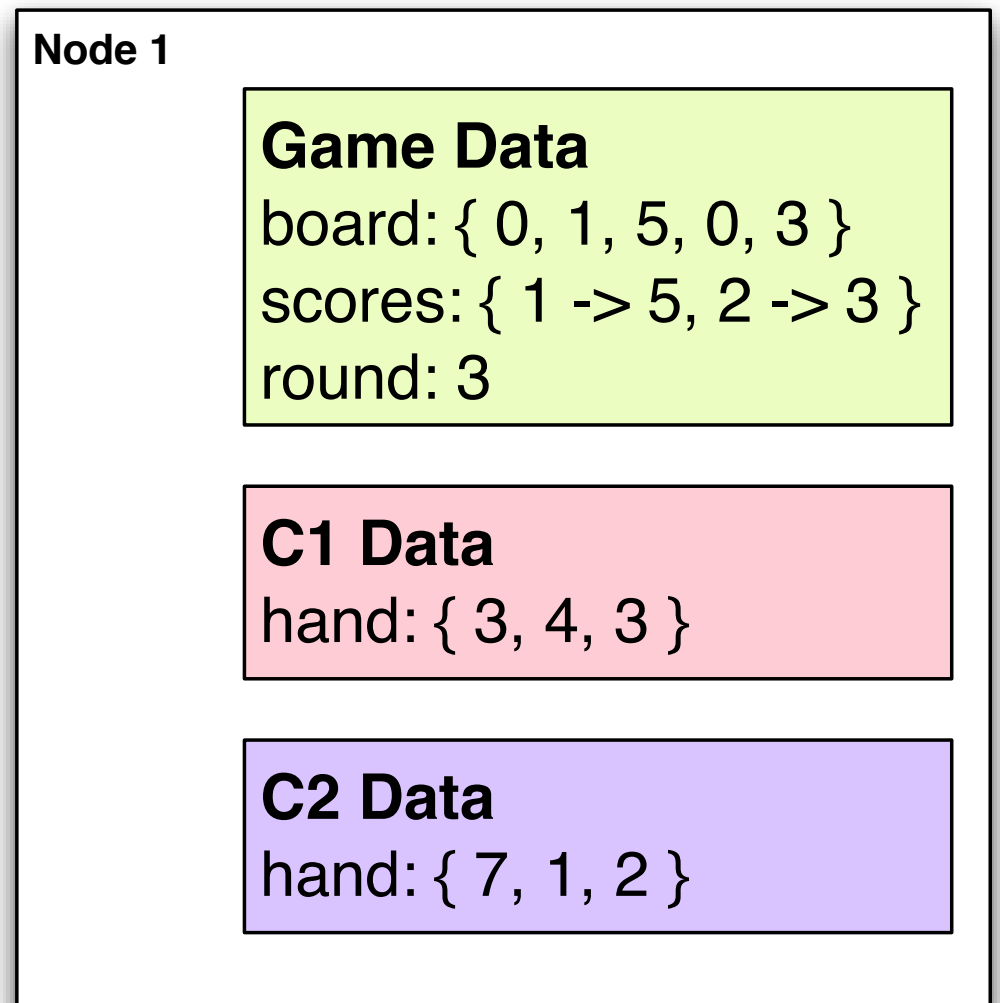
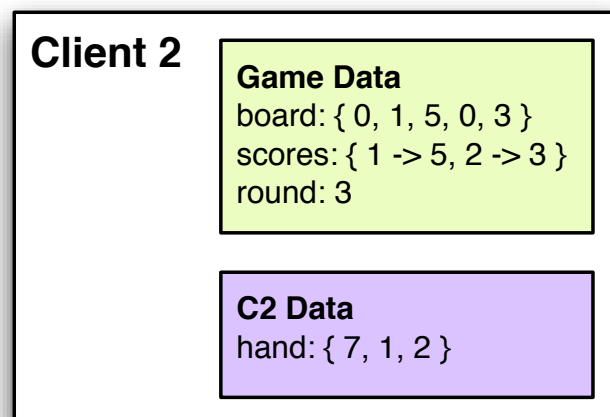
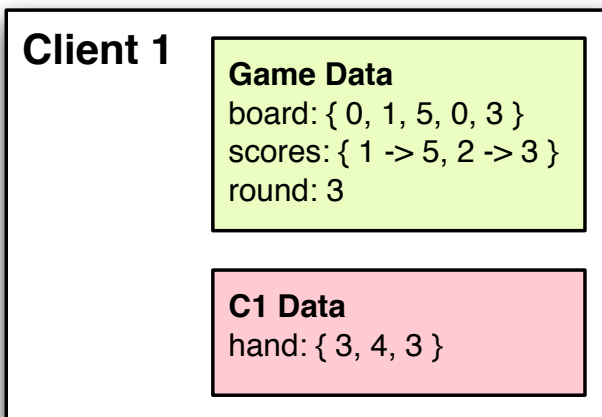
Instructions Comments Trophies My Rankings Top Rankings Metrics Logs

Single Player		Rating	Multiplayer		Rating
#1	<u>Jes</u>	2508	#1	<u>Jes</u>	1466
#2	<u>Mikeness</u>	2237	#2	<u>Mikeness</u>	1355
#3	<u>Nemo</u>	2216	#3	<u>Ex-Billiam</u>	1206
#4	<u>mupparina</u>	2202	#4	<u>Silver</u>	1181
#5	<u>Zell</u>	2173	#5	<u>Cleaver</u>	1170
#6	<u>Comrade Anniya</u>	2121	#6	<u>Jack Green</u>	1165
#7	<u>Zefyr</u>	1853	#7	<u>Zefyr</u>	1153
#8	<u>Silver</u>	1823	#8	<u>Cherub</u>	1118
#9	<u>Brittney</u>	1792	#9	<u>mupparina</u>	1034
#10	<u>Aduros</u>	1630			

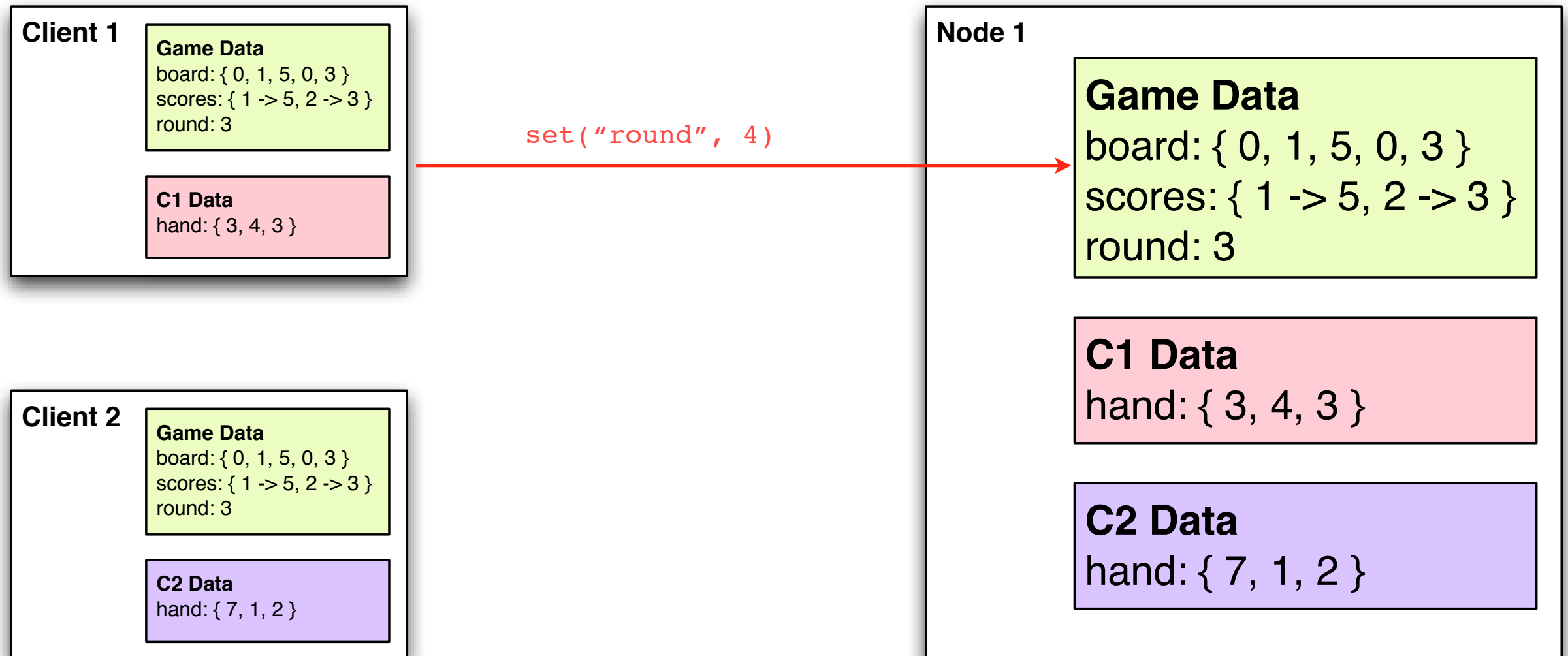
We handle single-
and multiplayer ratings



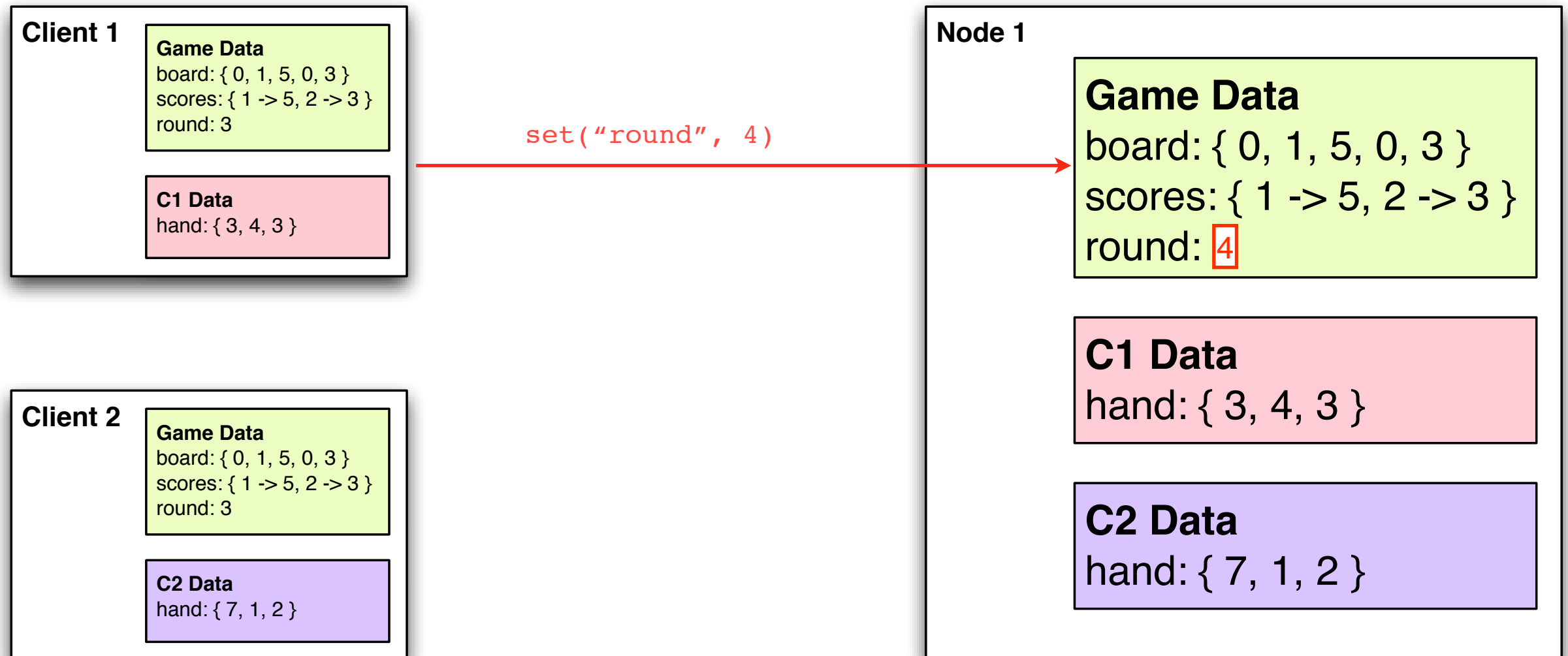
and the complexities
of currency awarding.



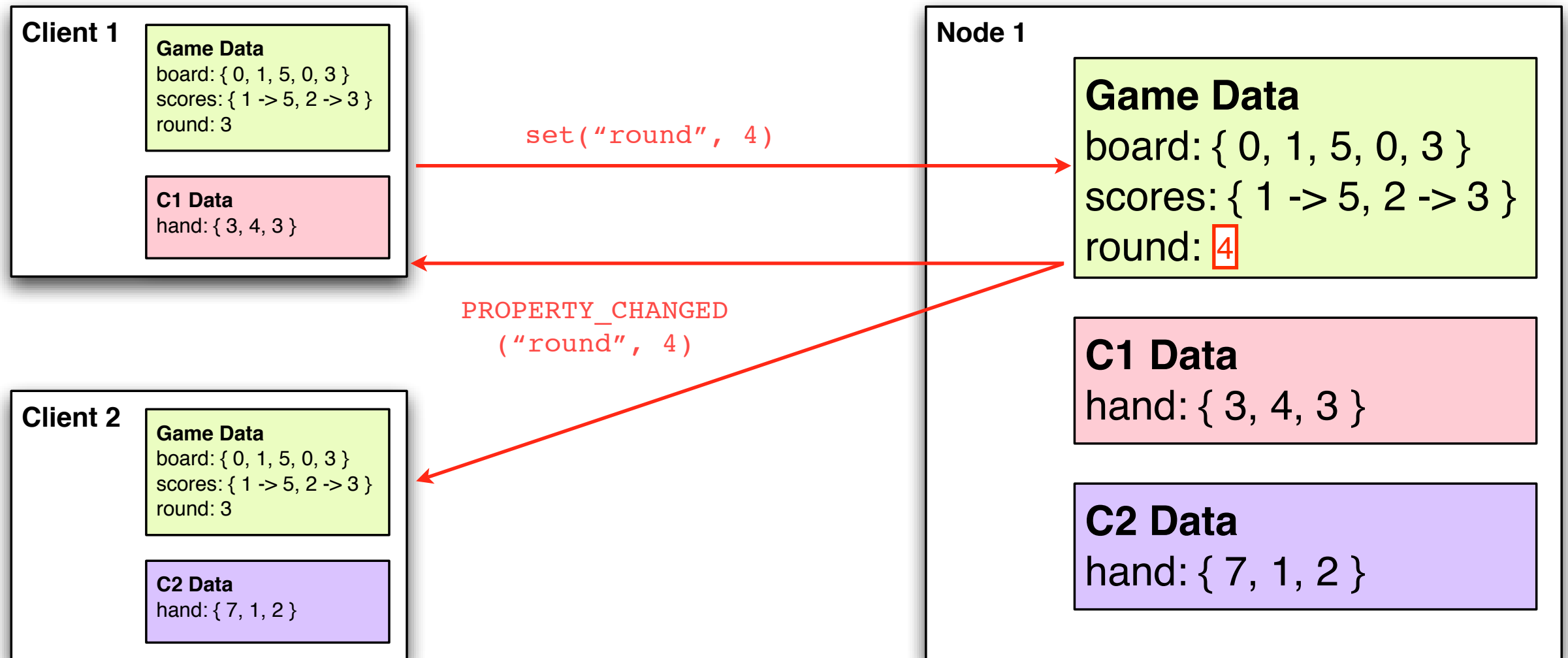
Games can use multiplayer API.



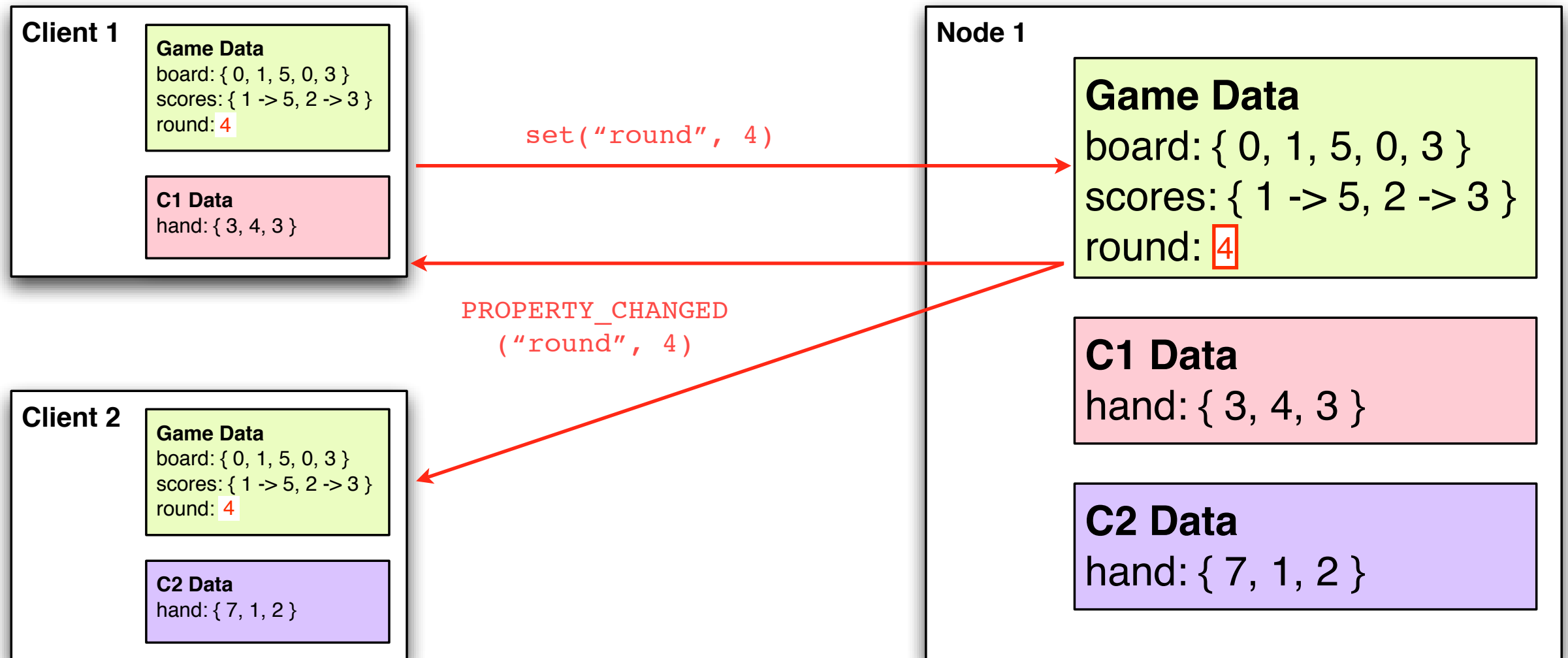
Games can use multiplayer API.



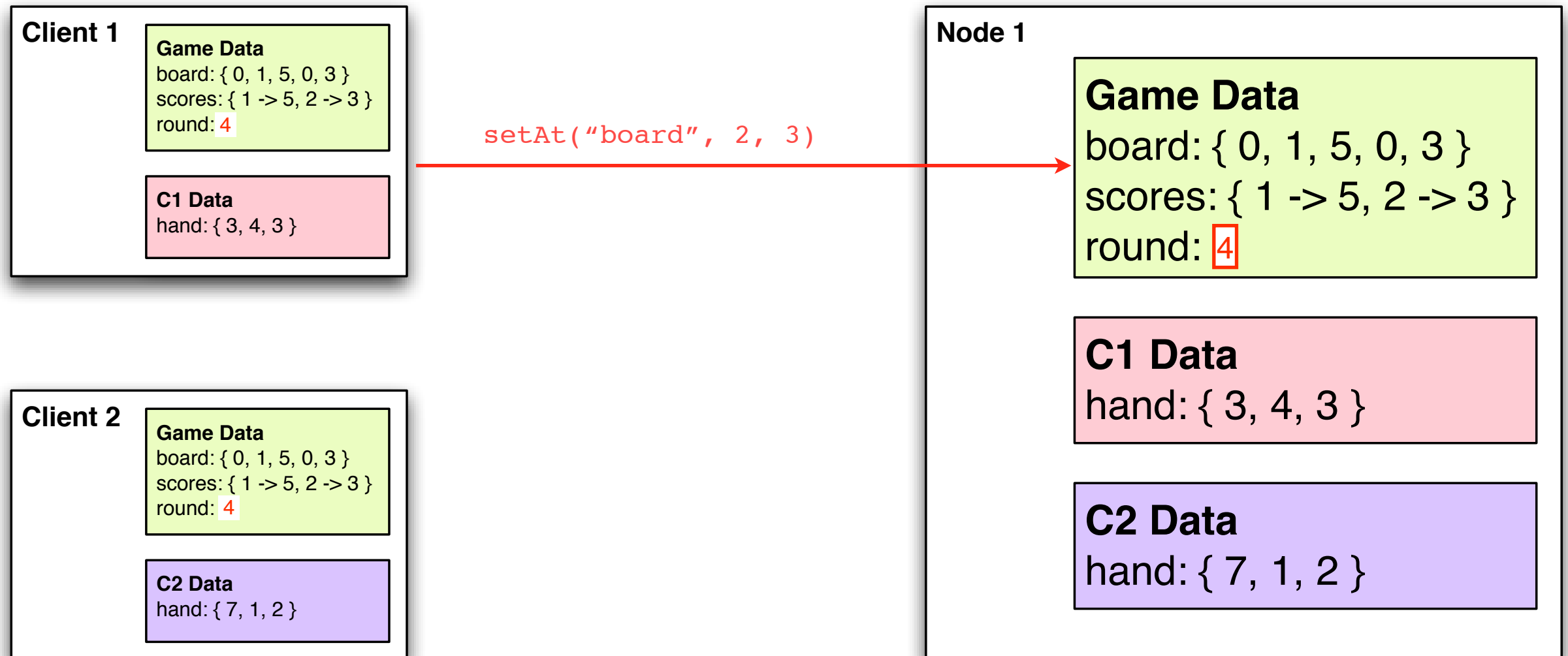
Games can use multiplayer API.



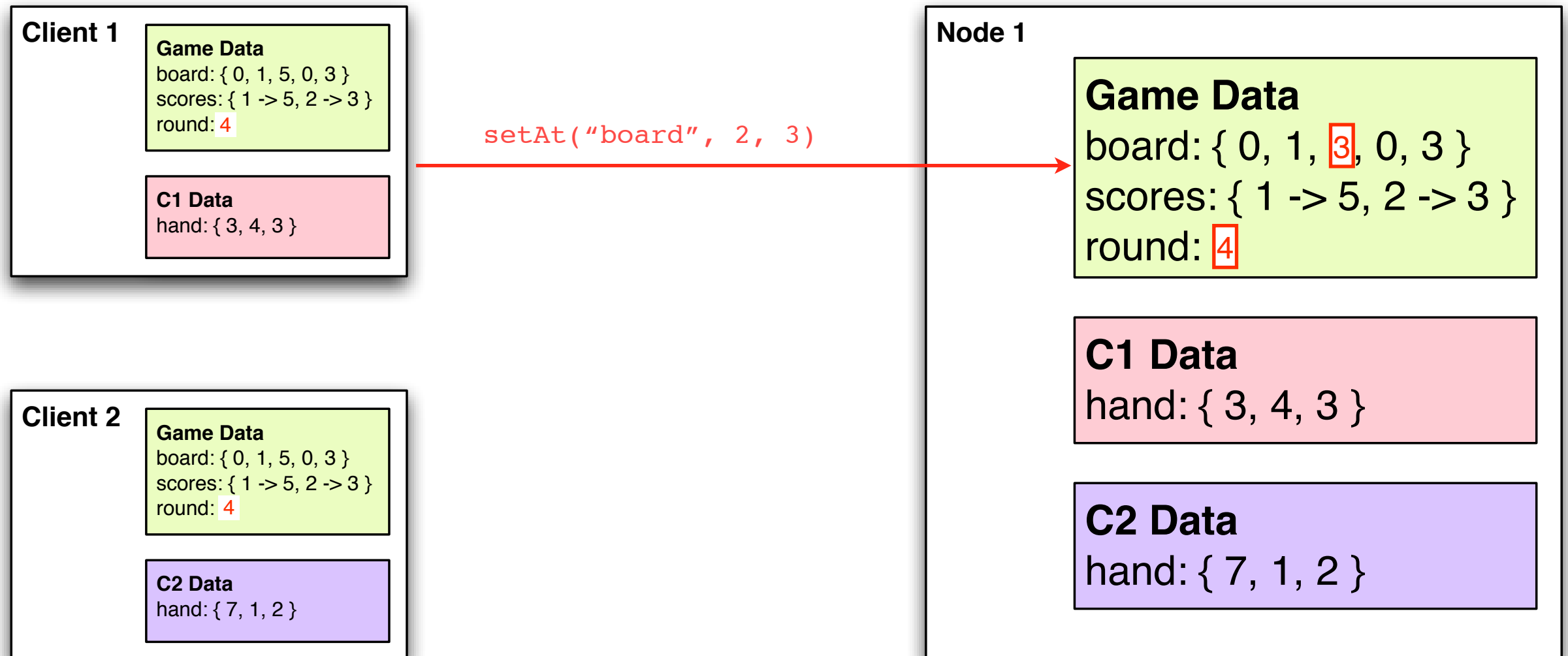
Games can use multiplayer API.



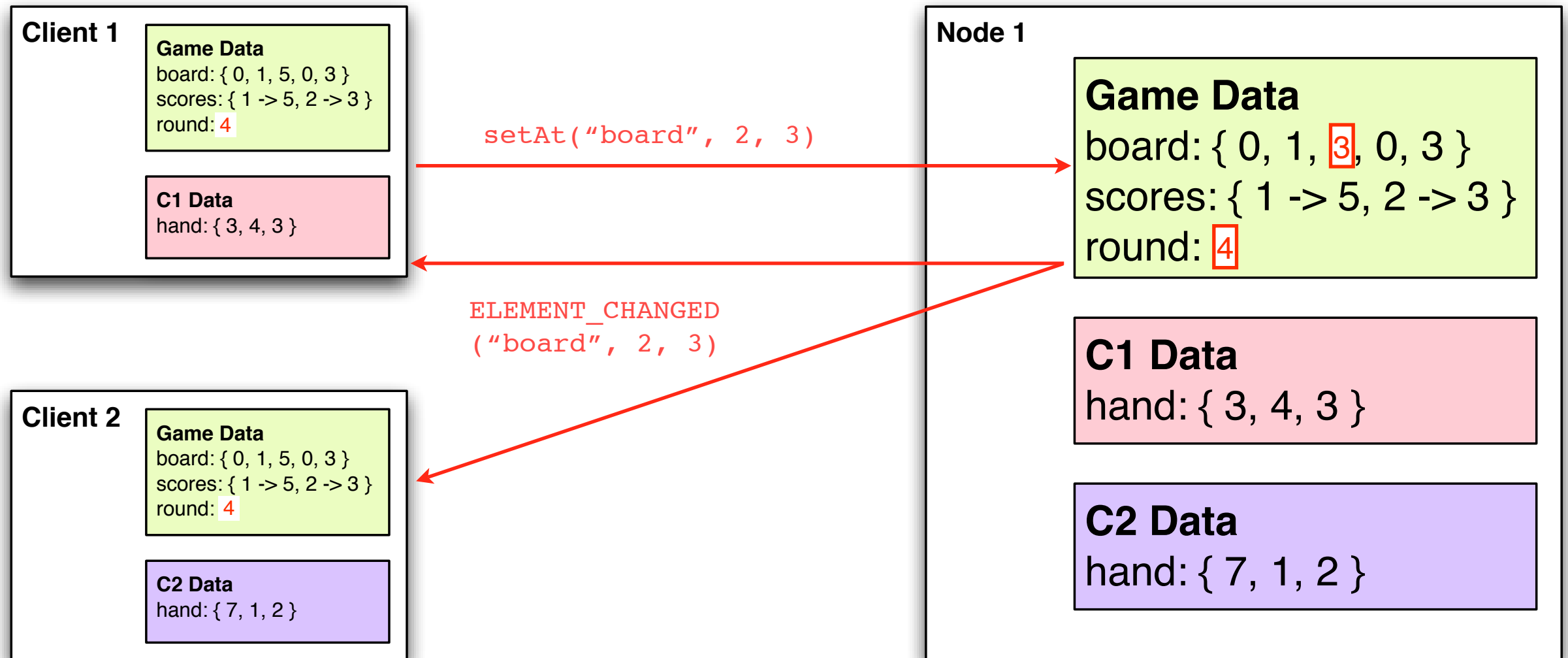
Games can use multiplayer API.



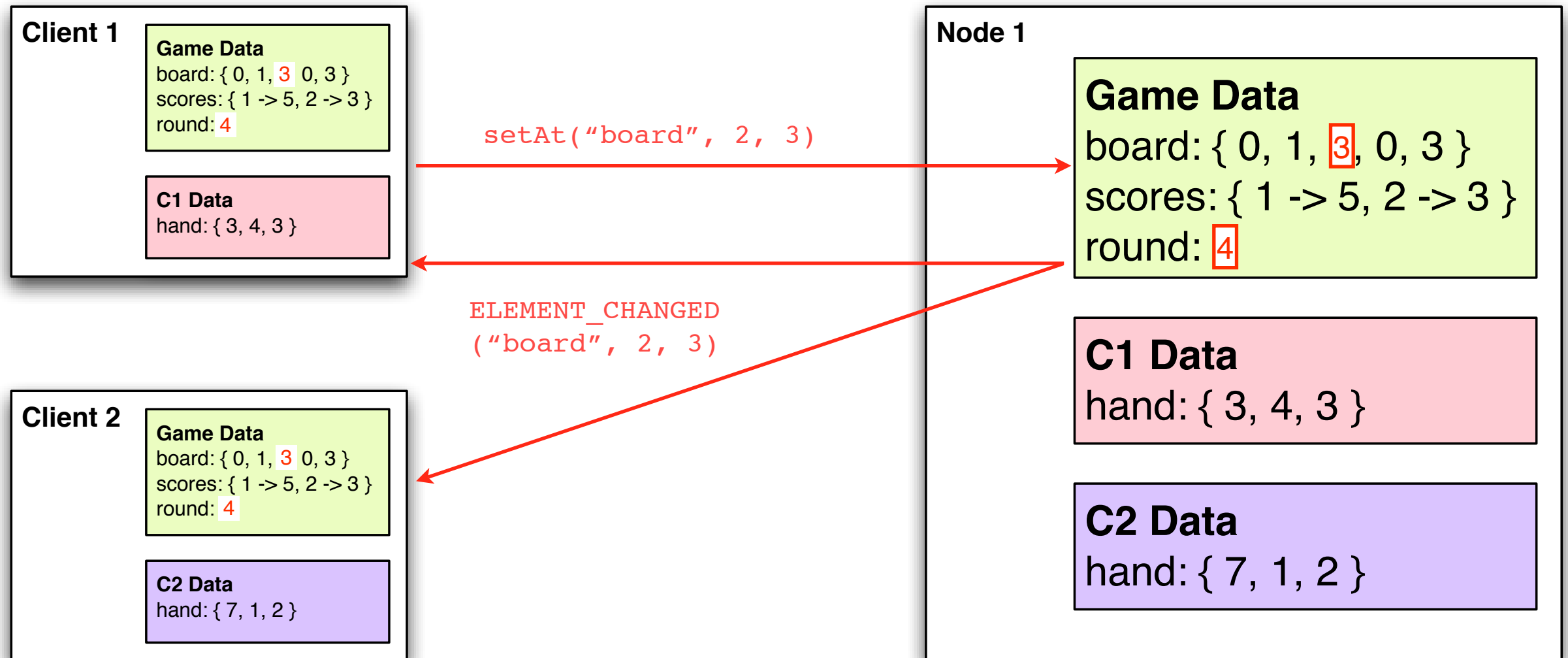
Games can use multiplayer API.



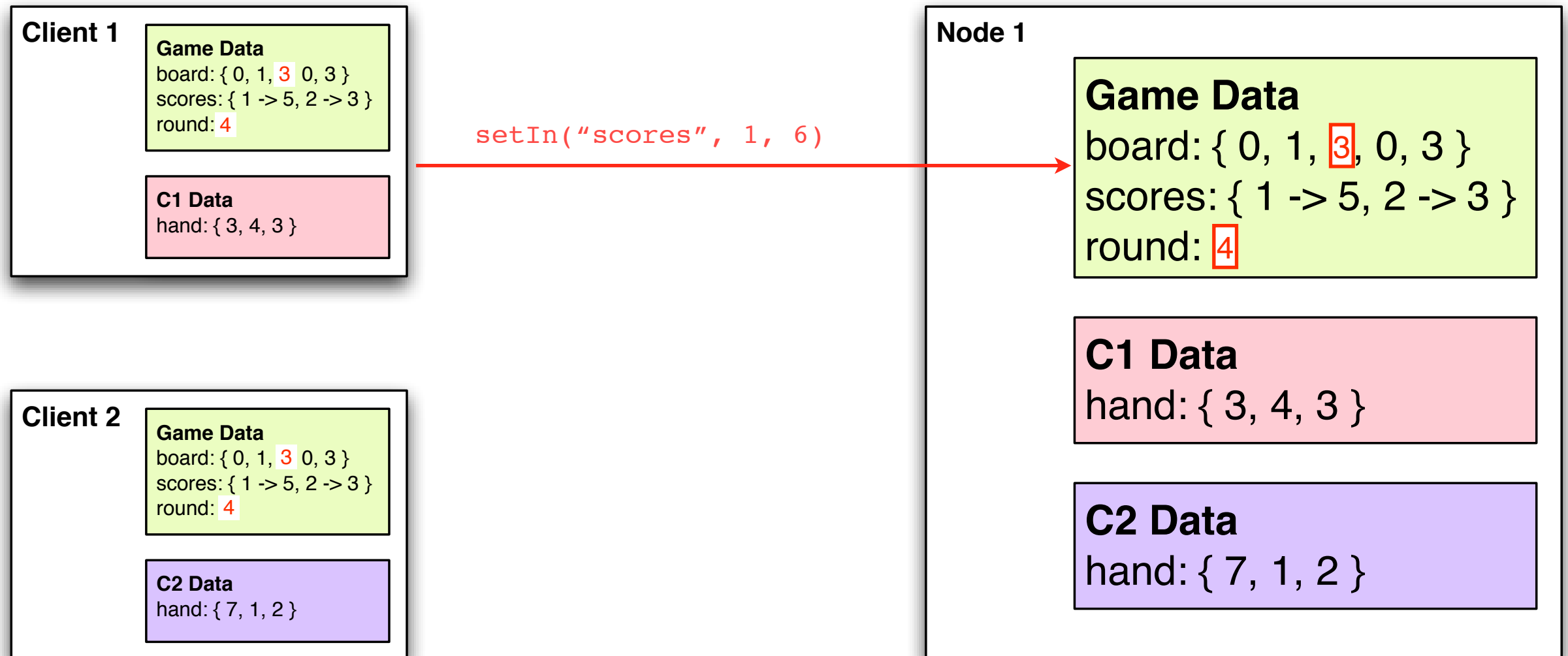
Games can use multiplayer API.



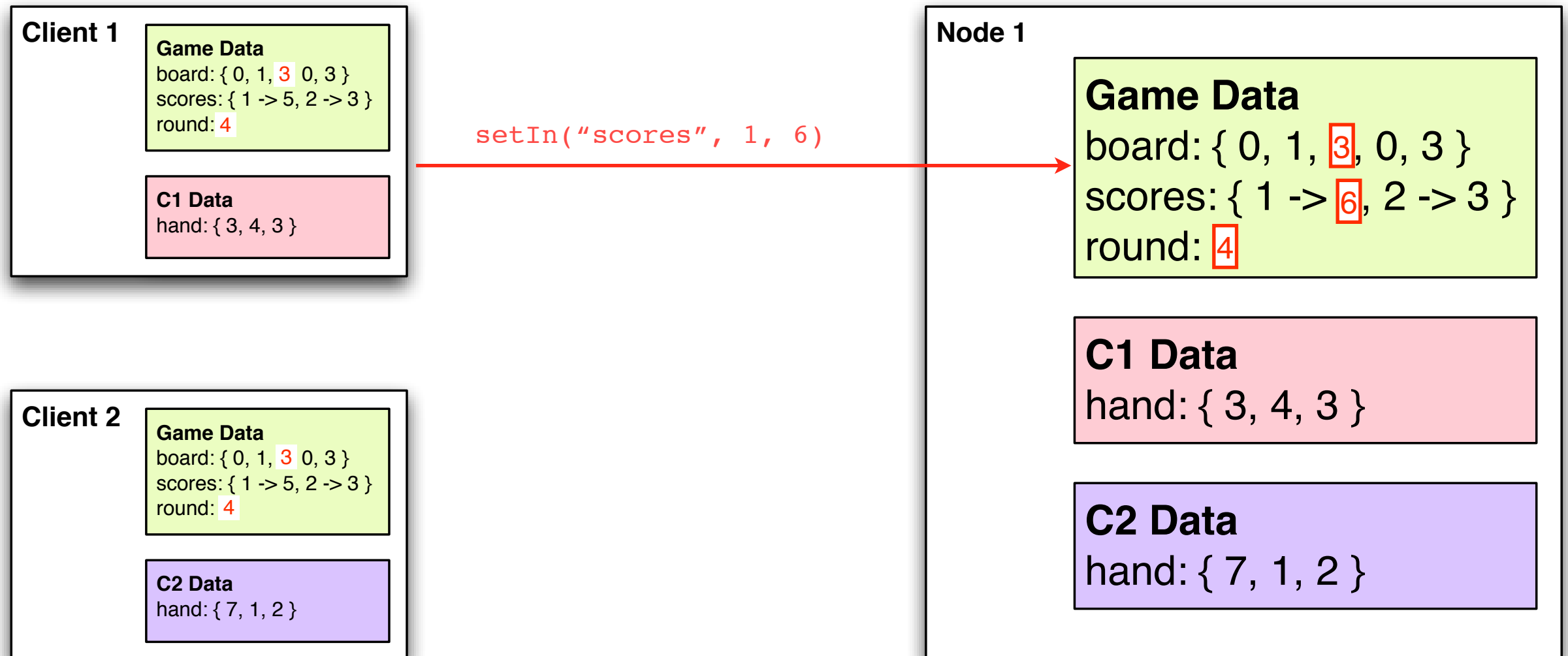
Games can use multiplayer API.



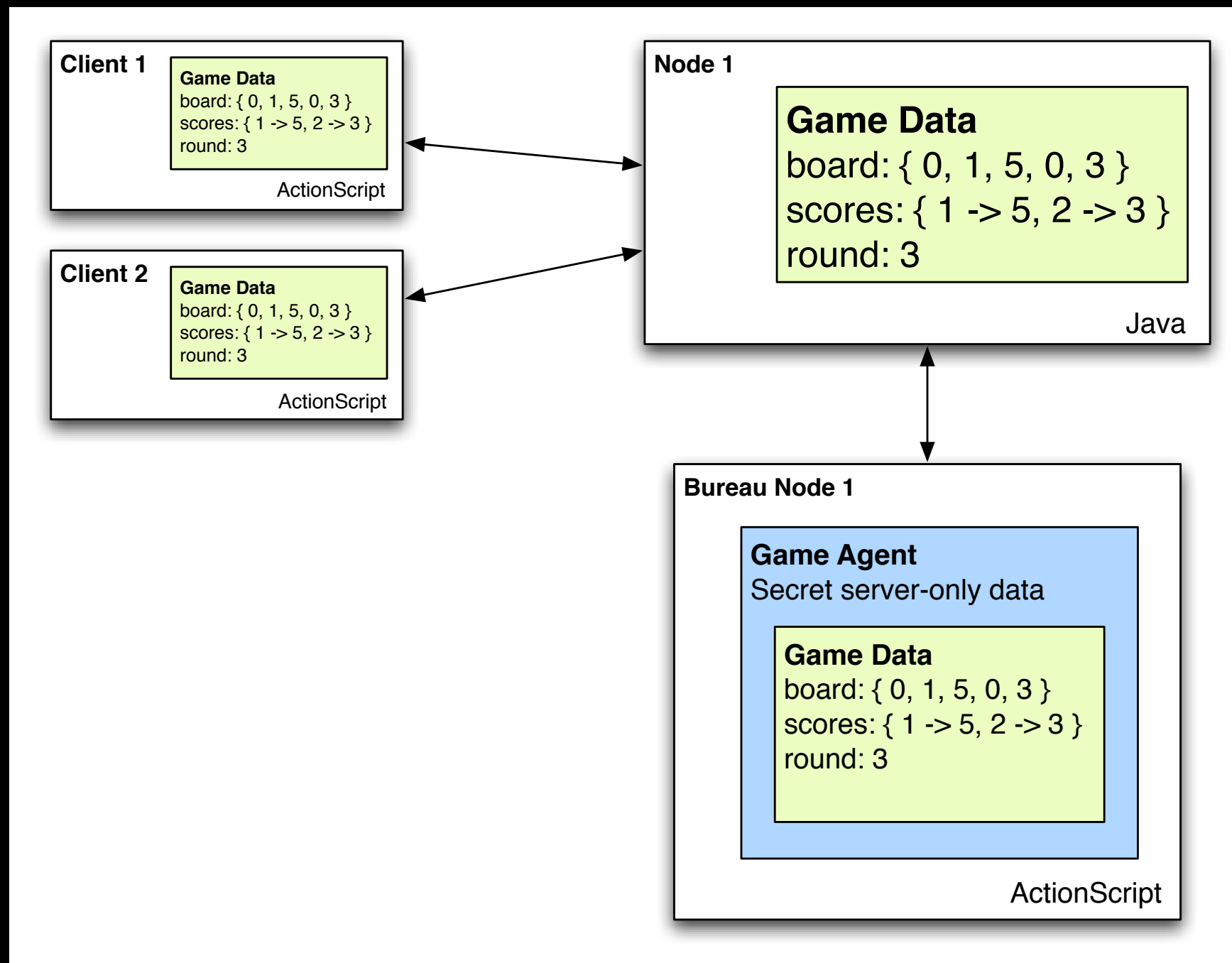
Games can use multiplayer API.



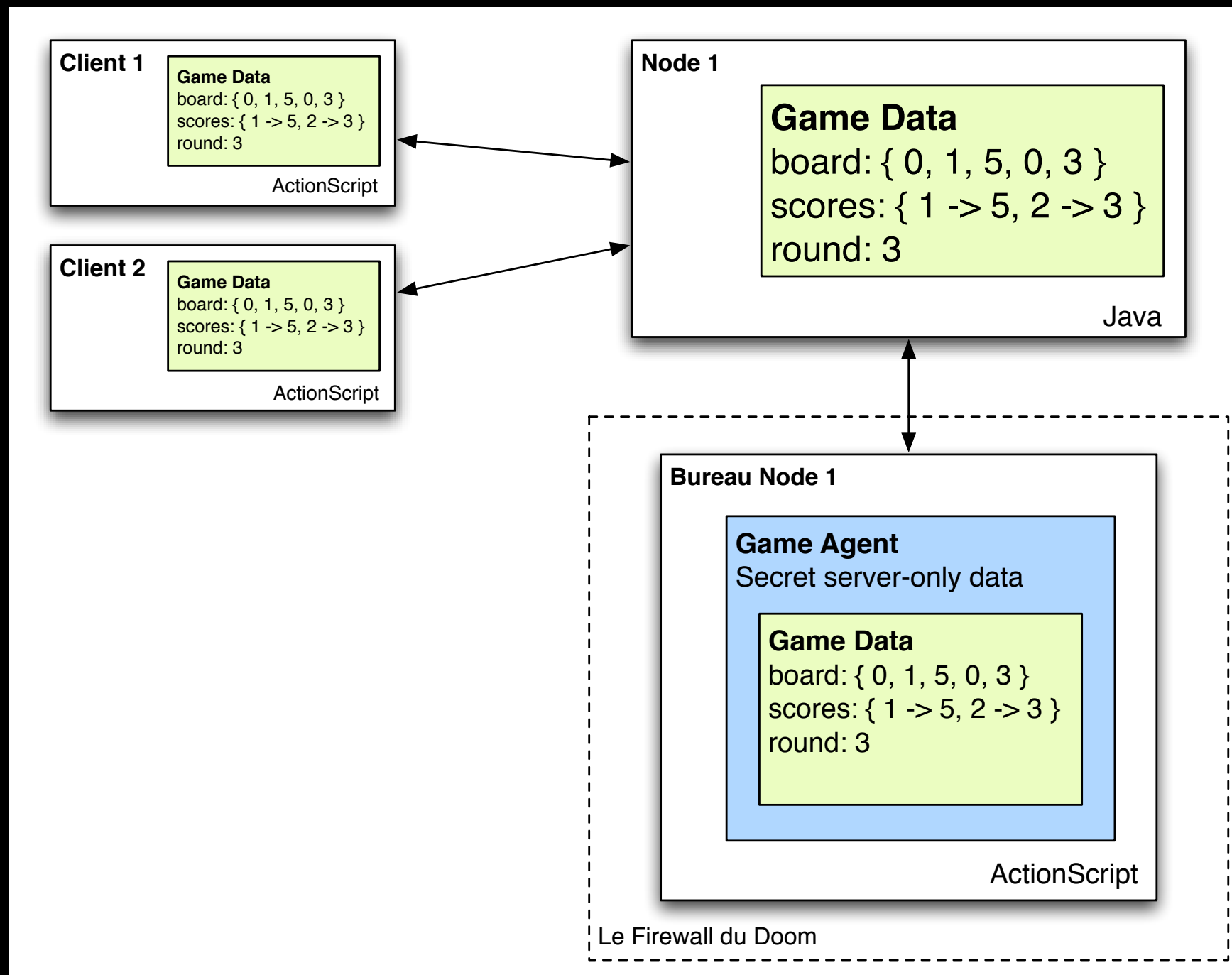
Games can use multiplayer API.



Games can use multiplayer API.



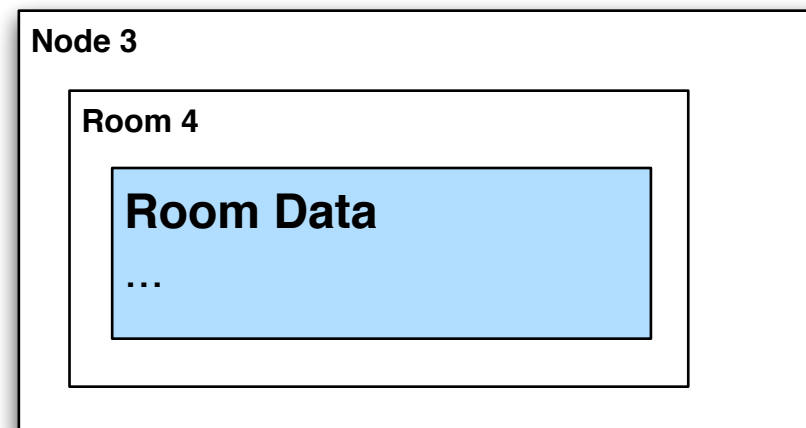
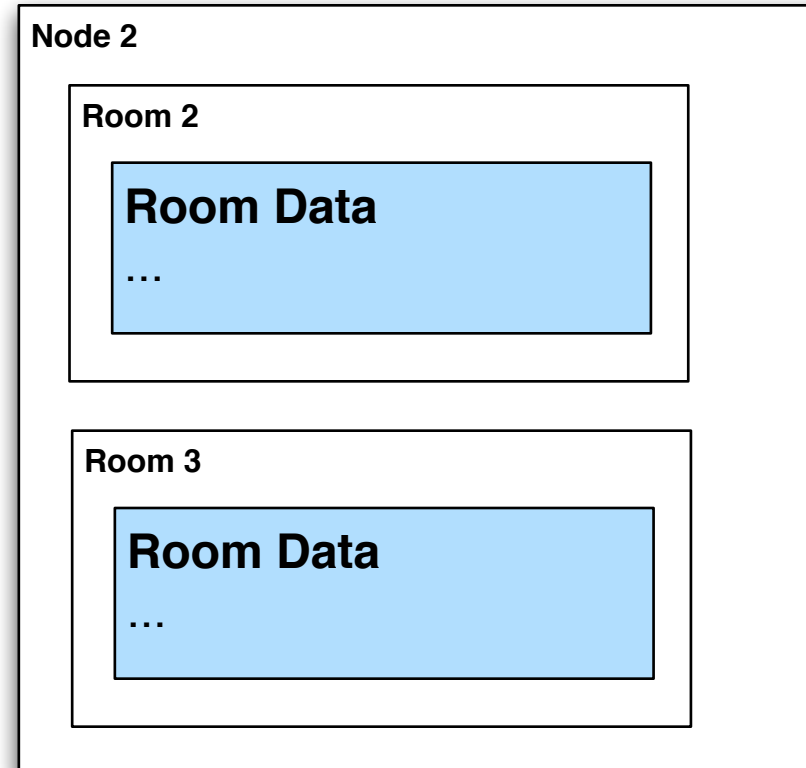
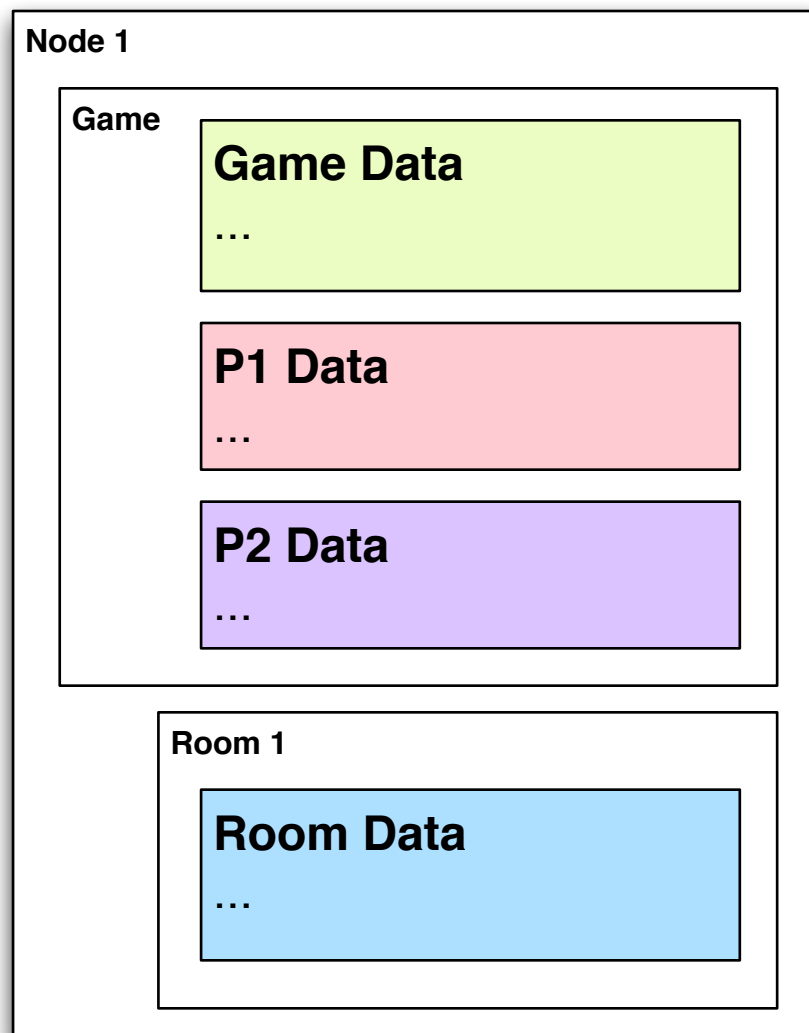
Control doesn't work well for games
so we have server-side code.



Server-side code is scary.



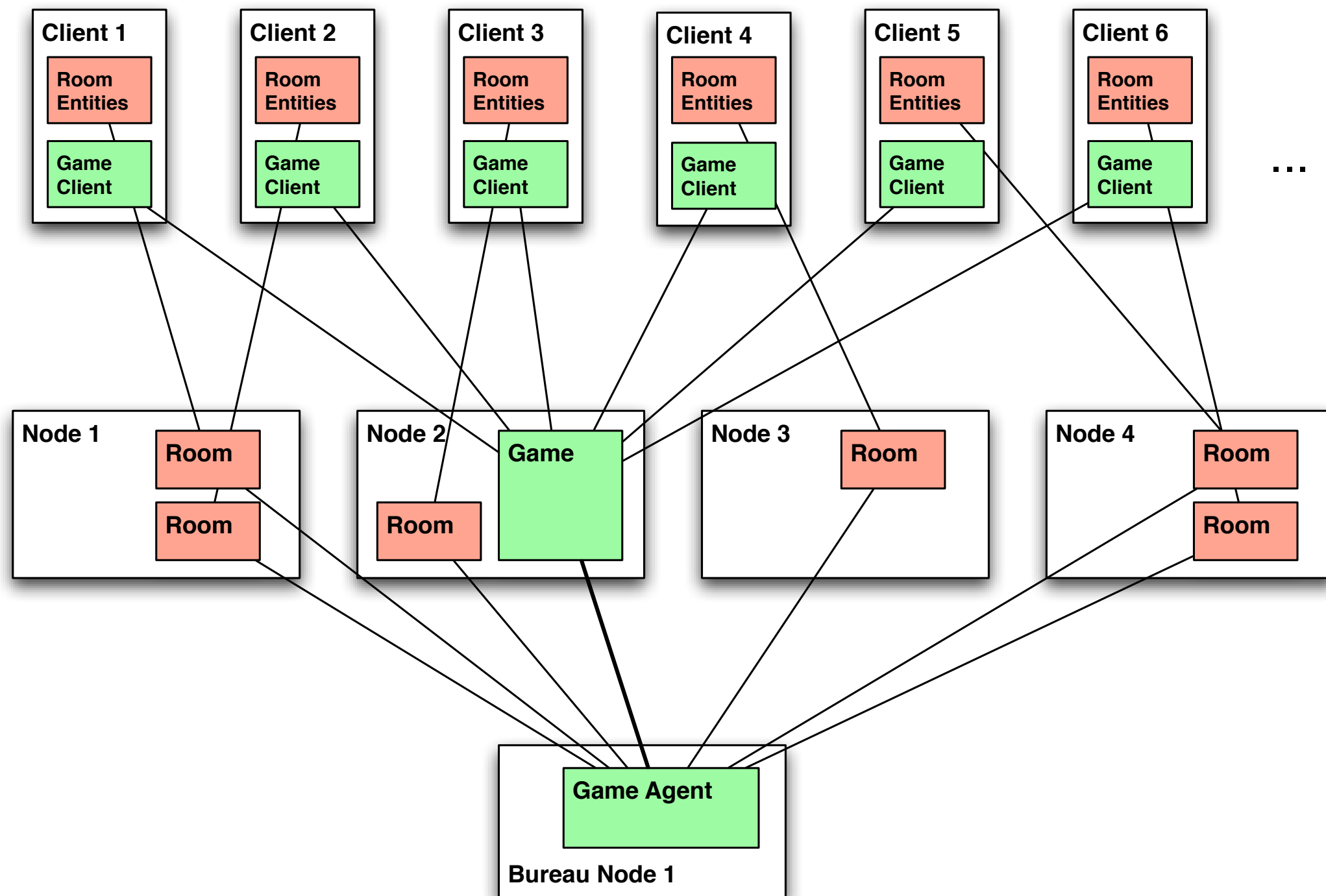
Whirled is AVRGs.



The AVR_G API is
many property spaces



and MOBs, avatar control, effects, HUD and more.



AVRGs push the limits
of our architecture.

Any Questions?

(What? Where? When? Why? Who?)

Slides at: <http://samskivert.com/work/2009/gdc/WhirledTour.pdf>