

### Level Design in a Day

Jim Brown: Senior Designer - Epic Games

Joel Burgess: Senior Designer - Bethesda Softworks

Seth Marinello: Designer - Electronic Arts

Coray Seifert: Executive Producer - 2Dawn Games

Elisabetta Silli: Game Designer - Naughty Dog

Matthias Worch: Lead Mission Designer - 2K Games







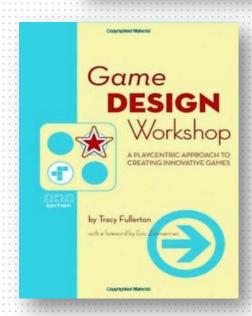


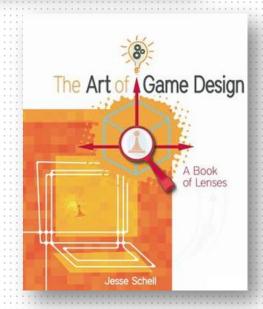












### Who is it, precious?

- Students?
- Teachers/Professors?
- Testers?
- Programmers?
- Producers?
- Writers?
- Game Designers?
- Level Designers?

### WHO DO YOU WORK FOR?

- Big Scary Publishers?
- Big Scary Media Companies?
- Indies?
- Academia?
- Other?
- Unemployed?

### Hang out here often?

- Just getting started?
- At least 1 year?
- At least 2 years?
- At least 5 years?
- At least 10 years?
- At least 15 years?
- At least 20 years? <-- Serious business</li>

### So, how was the commute?

- Under 2 hours travel to GDC?
- At least 4 hours travel to GDC?
- At least 6 hours travel to GDC?
- At least 10 hours travel to GDC?
- At least ?!? hours travel to GDC?

### Tweet at me bro

Questions, Comments, Random Musings:

**#LDinaDay** 

or

www.facebook.com/groups/308354239212854

### 10:00 Introductions

### **INTRODUCTIONS**

10:00 - 10:10

Coray Seifert

**Executive Producer** 

2Dawn Games

10:00 Introductions10:10 The Blank Page

### A SERIES OF FIRST STEPS – OVERCOMING THE DIGITAL BLANK PAGE

10:10 - 11:00

Seth Marinello

Technical Designer

**Electronic Arts** 

10:00	Introductions
10:10	The Blank Page
11:00	Break

### **BREAK**

11:00 - 10:15

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim

# HOW WE USED ITERATIVE LEVEL DESIGN TO SHIP SKYRIM AND FALLOUT 3

11:15 - 12:15

Joel Burgess Senior Designer

Bethesda Softworks

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim
12:15	Lunch/Mock Interviews

### LUNCH & MOCK INTERVIEWS

12:15 - 1:45

Coray Seifert

**Executive Producer** 

2Dawn Games

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim
12:15	Lunch/Mock Interviews
1:45	LD Analytics

### THE IMPORTANCE OF EVERYTHING: ANALYTICS OF MAP DESIGN

1:45 - 2:45

Jim Brown

Design Lead

**Epic Games** 

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim
12:15	Lunch/Mock Interviews
1:45	LD Analytics
2:45	COFFEE

### **COFFEE**

2:45 - 3:00

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim
12:15	Lunch/Mock Interviews
1:45	LD Analytics
2:45	COFFEE
3:00	Last of Us Shadows

### THE LAST OF US: **CASTING SHADOWS**

3:00 - 4:00

Elisabetta Silli Game Designer

Naughty Dog

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim
12:15	Lunch/Mock Interviews
1:45	LD Analytics
2:45	COFFEE
3:00	Last of Us Shadows
4:00	MOAR COFEE

### **MOAR COFFEE**

4:00 - 4:30

Introductions
The Blank Page
Break
Iterative Skyrim
Lunch/Mock Interviews
LD Analytics
COFFEE
Last of Us Shadows
MOAR COFEE
Meaningful Choice

# DECISIONS THAT MATTER MEANINGFUL CHOICE IN GAME AND LEVEL DESIGN

4:30 - 5:30

Matthias Worch

Design Director

2K Games

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim
12:15	Lunch/Mock Interviews
1:45	LD Analytics
2:45	COFFEE
3:00	Last of Us Shadows
4:00	MOAR COFEE
4:30	Meaningful Choice
6:00	To the Bar!

### BEER BEER BEER BEER...

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim
12:15	Lunch/Mock Interviews
1:45	LD Analytics
2:45	COFFEE
3:00	Last of Us Shadows
4:00	MOAR COFEE
4:30	Meaningful Choice
6:00	To the Bar!

### **SILENCE THY PHONES**

FILL OUT YON COMMENT CARDS

ASK YE QUESTIONS INTO THE MIC

10:00	Introductions
10:10	The Blank Page
11:00	Break
11:15	Iterative Skyrim
12:15	Lunch/Mock Interviews
1:45	LD Analytics
2:45	COFFEE
3:00	Last of Us Shadows
4:00	MOAR COFEE
4:30	Meaningful Choice
6:00	To the Bar!

Questions, Comments, Random Musings:

**#LDinaDay** 

or

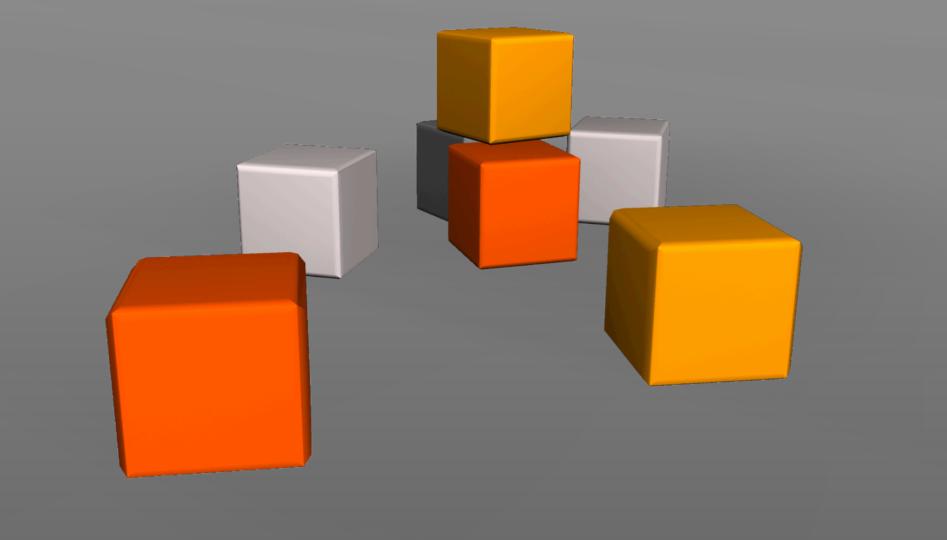
www.facebook.com/groups/308354239212854

### First Steps Seth Marinello GDC 2014

### Developing a Level Structure

- 1. Start with script, block out fixed story points.
- 2. Find your Dominant Feature
- 3. Create an objective flow around these 2 elements, adding in additional steps for major activities
- 4. Block out the level around these objective points and add streaming/combat space as required.

### THIS PAGE IS INTENTIONALLY LEFT BLANK



# STEP 1: DEFINEREQUIREMENTS

### **Determine Constraint**

- What determines the scope of the content?
  - Target length
  - Narrative
  - Number of Players
  - Mechanic Concept

### Requirements & Guidelines

 Make sure the required elements are clearly defined so you can create a complete design

### Requirements

#### – Identify:

- Vent locations
- Guardians, landmines, corruption
- Custom gameplay sequences in geo sensitive areas
- Wall-walking areas
- · Store, Bench and Kiosk locations

#### – Place:

- Containers, lockers in and working
- Store in and working
- Upgrade bench in and working
- Save Kiosks placed
- Stasis and air stations in and working
- 4-6 lockboxes placed per level

# STEP 1: CAPTURE INTENT

### **Capture Intent**

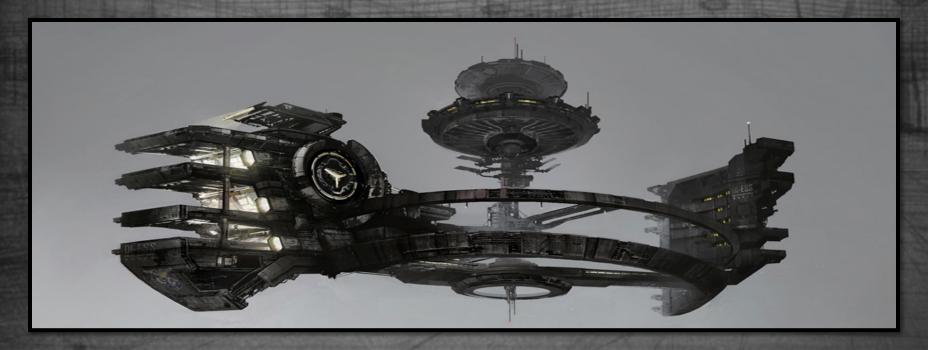
- Capturing the Design of a Level
  - Concept
  - Walkthrough
  - Blockworld

- This is all one deliverable
  - THE DESIGN!

### Concept

- "this is the .... level"
- What is the central element of the level?
- What does it say about the world?

### "Awaken the sleeping ship"



### **Brainstorm**

- Throw ideas on a wall, bring some friends
- Gather a big pile of reference



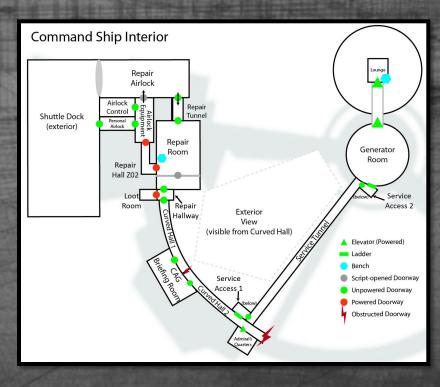


### Walkthrough

- Scope
  - (what mechanics, how much content, unique features etc)
- Major Objectives
  - (How does the game fit into the overall arc of the game?)
- Major Beats
  - (What key moments do you want to highlight in this level?)

### Top Down Map

Capture the flow of the level



Story Summary

Color Script



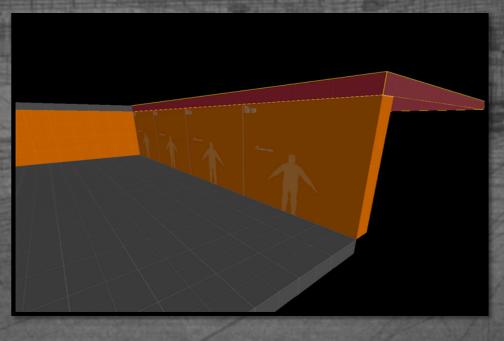
Key Image

Top Down Map

 "Almost every time I've given a concept to a designer I've been amazed at how different the blockworld ends up from what I had in my head... Typically that sort of surprise is a delight, but after that stages the surprises almost completely go away... my image of the level aligns almost perfectly with what the designer's is once the blockworld is complete."

Patrick Lipo

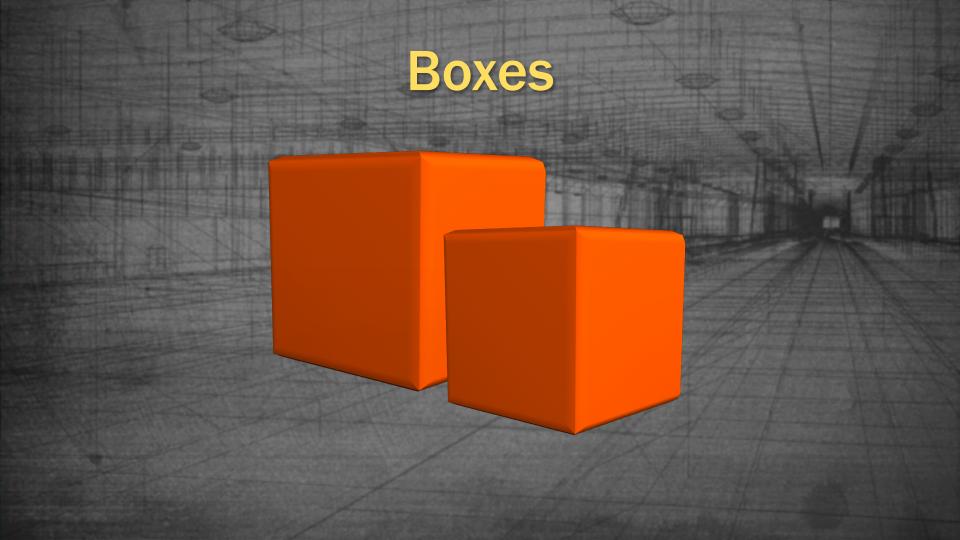
## Blockworld

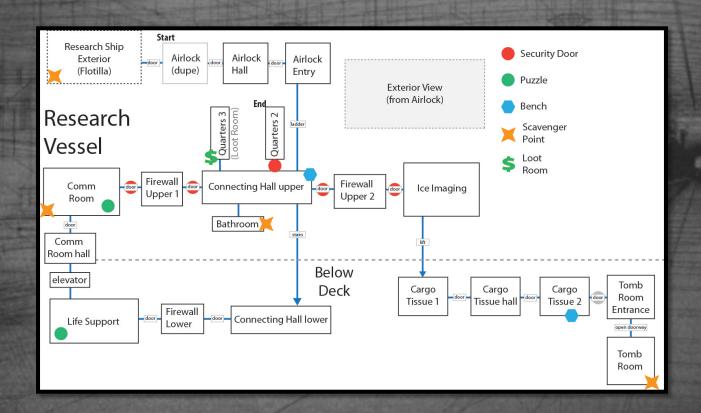


### Blockworld

- Capture the look and feel of the space
- How do the beats connect?
  - This is almost as important as identifying the beats themselves.

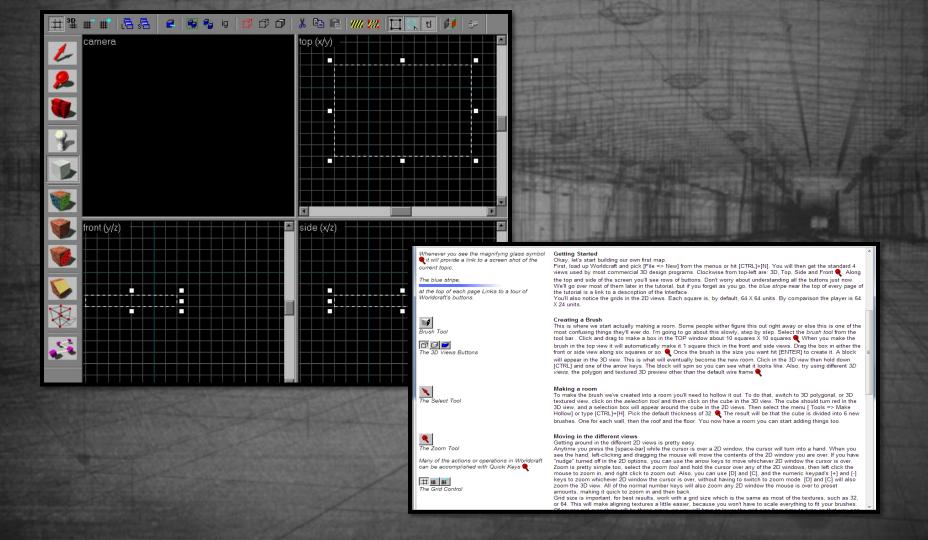
## STEP 1: MAKE SOME BOXES

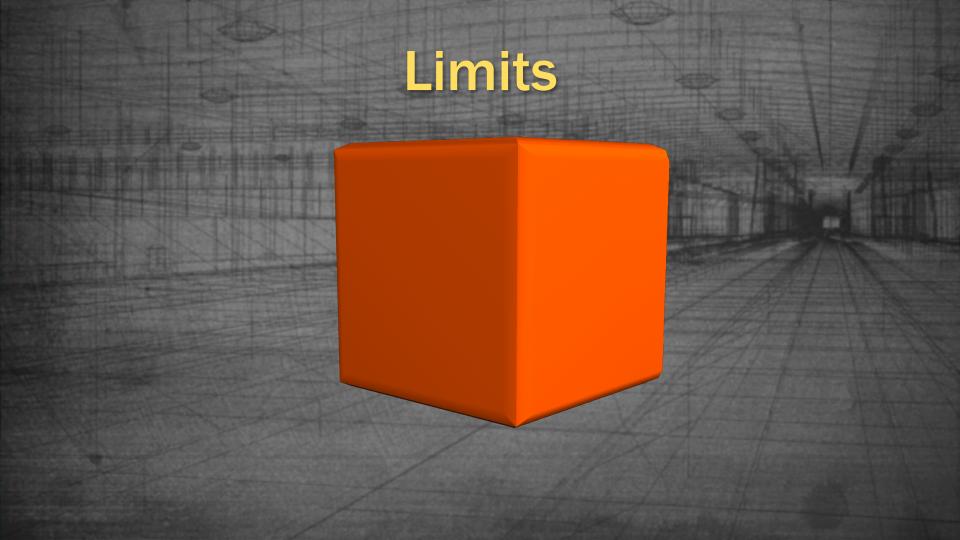


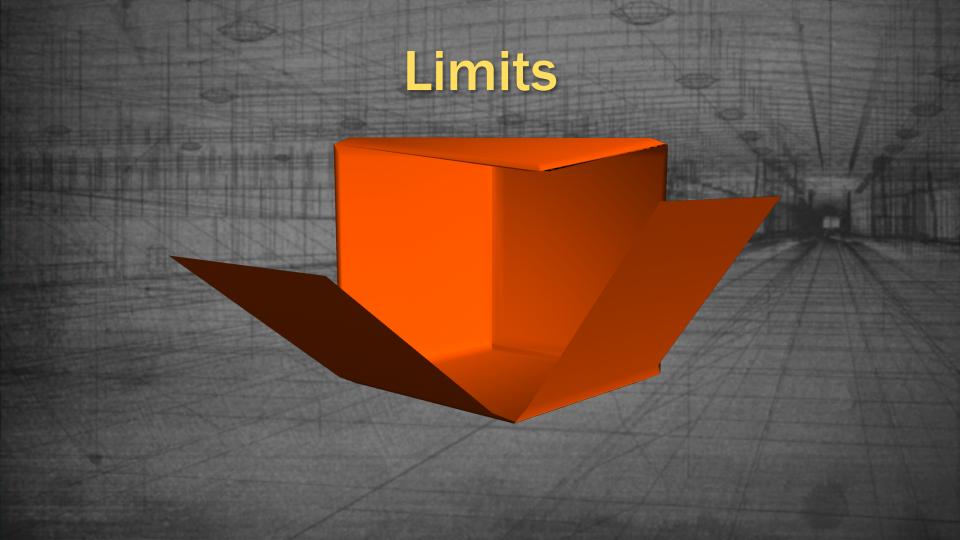








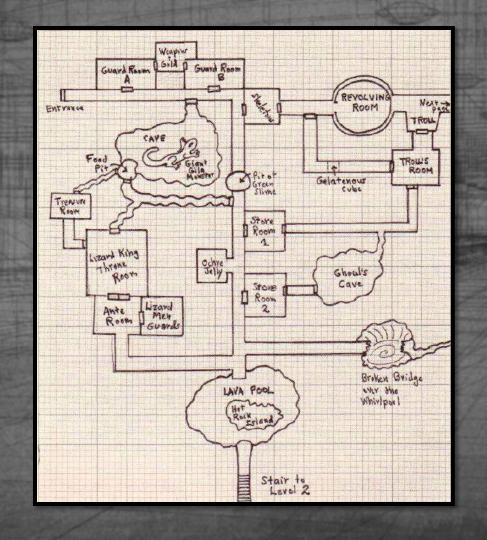












 "Whiteboxing is a technique that has arisen from the popularity of games that require 3D worlds...we need to establish that we're talking about a very, very specific type of game."

Wright Bagwell

## STEP 1: GET A NEW STRATEGY

### Looking to other disciplines

France spession

THE PERSON NAMED IN

am

+ 10

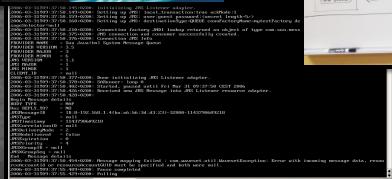
Explore

Cet may

518 lineary proper

\* 55-5 7





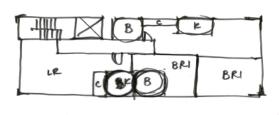
### Architecture

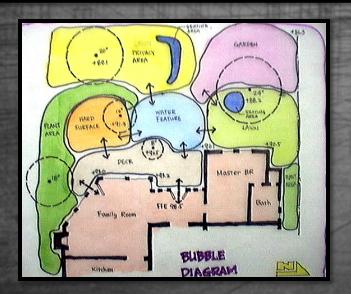


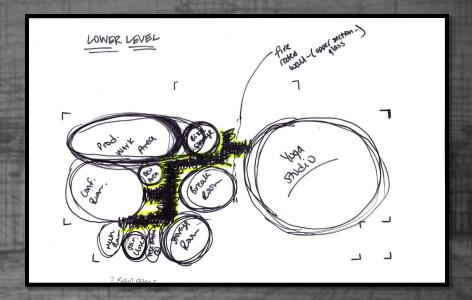
### **Bubble Diagrams**

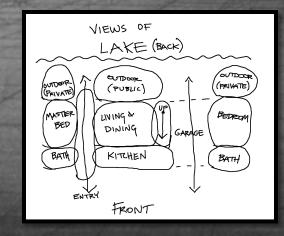
 "I usually make a few different bubble diagrams, considering different options on where to put different spaces in relation to each other, like what if the kitchen was a square shape instead of a long rectangle? Would this make more room for a long table and party space when the person moves in?"

- Robin Liu



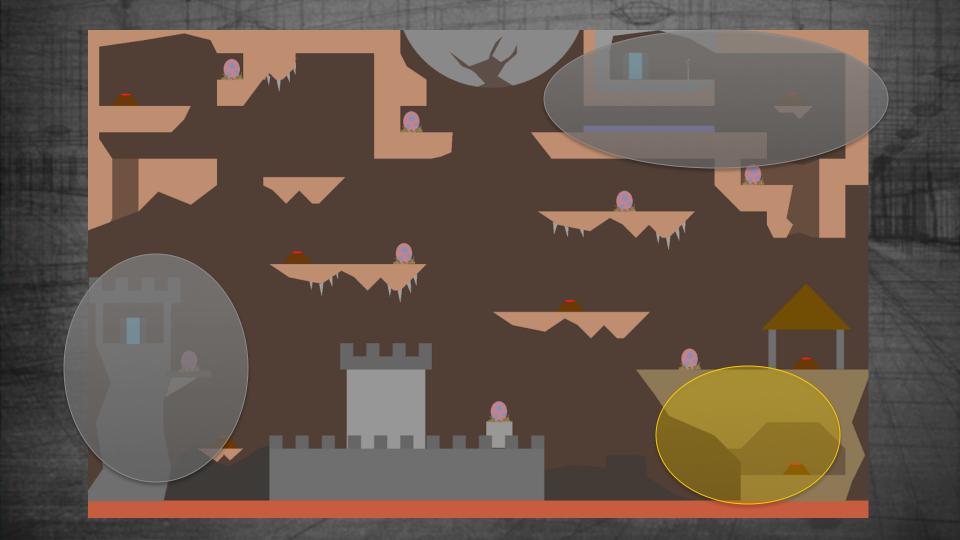














### **Balance Complexity**

- Make sure each area has a purpose
- The player should have options, but not too many
- Complex MP maps make them hard to learn
- SP maps confusing.

 Always design a thing by considering it in its next larger context - a chair in a room, a room in a house, a house in an environment, an environment in a city plan."

Eero Saarinen (1910-1961)

### Design

- Concept
- Walkthrough
- Blockworld

- This is all one deliverable
  - THE DESIGN!

## STEP 1: THROW EVERYTHING AWAY

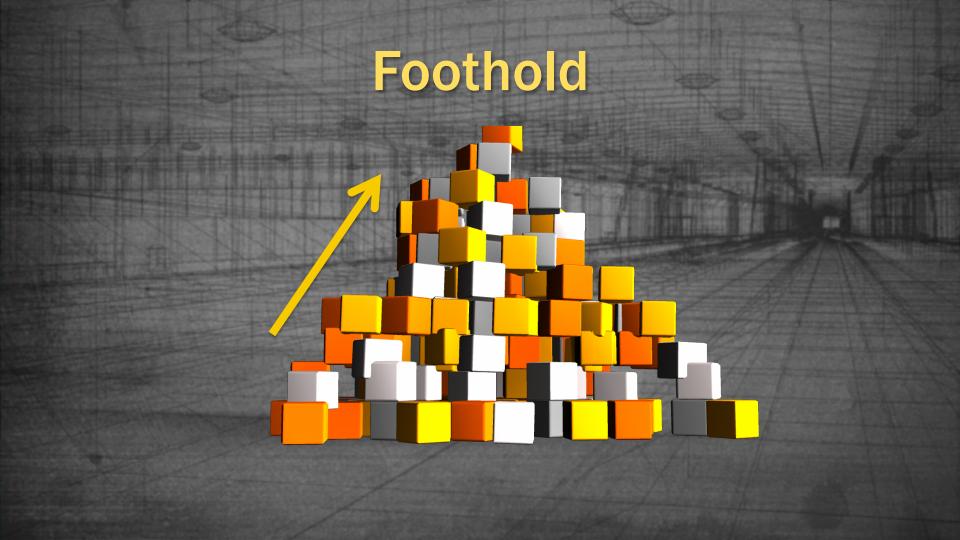












# STEP 2: ITERATE

Contact STEWARTERADDRE @SETHMARINELLO