



GDC MOBILE
SUMMIT

Lean Live Ops: Free Your Devs!

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GDC

GAME DEVELOPERS CONFERENCE® | FEB 27-MAR 3, 2017 | EXPO: MAR 1-3, 2017 #GDC17



UBM

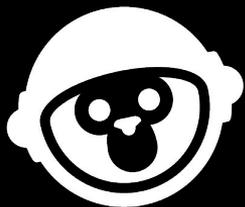


Hi! Welcome!

This is the annotated version of this presentation. Please watch the original in the GDC vault.

But if you'd just like to flip through the slides, then these handy speech bubbles summarise what I said.

Anyhow, I'm from New Zealand, so people make jokes about me having a pet sheep. What a stereotype!



SpaceApeTM

Instead, I had a goat!

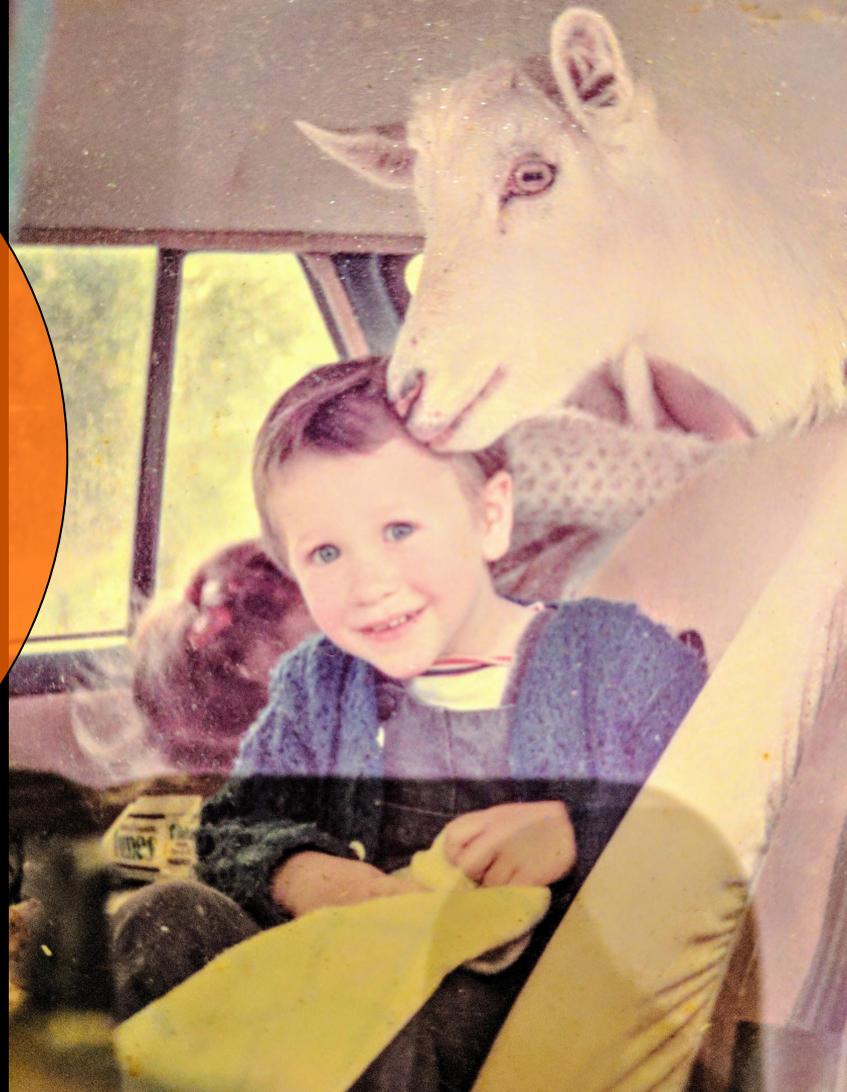
And while out walking with her I discovered ten stone tablets.

It took me years to discover we'd unearthed the **TEN LEAN COMMANDMENTS.**

These are the secret to freeing up your developers to focus on the future of your company, not the past.



SpaceApe™



Lean Commandment 1

“Thou Shalt Go Lean...”

**...or thine studio shalt be encumbered with
unsustainable weight and die**



I was lucky enough to learn a bunch about Live Ops at Playfish, which I've applied to my own games at Space Ape.



Live Ops



Live Ops are great, but...
Doing it **lean** means finding smart
ways to reduce the headcount
required to do great live ops.



Done Lean



Why Lean?

Great Live Ops...

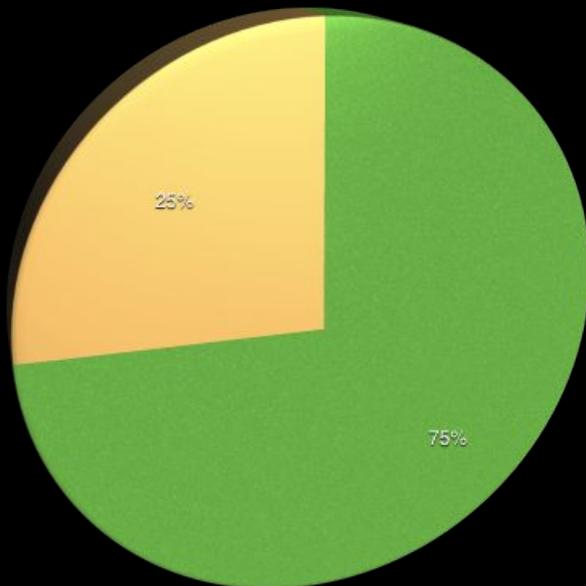


The Sims Social had a very rich set of features and content released to players...



...but not lean

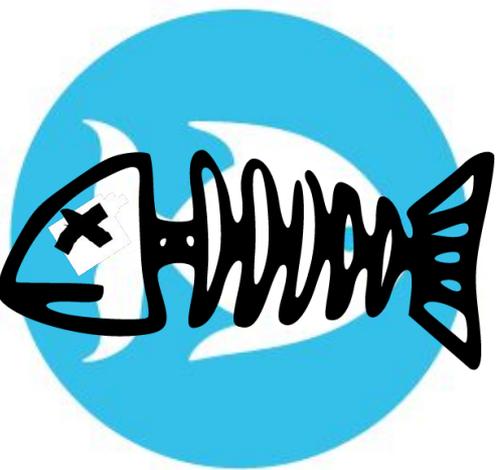
Studio Headcount Allocation



But it wasn't **lean**.
75% of the studio was focused on running this one game. That's not enough people thinking about the future!

● Sims Social

● Future Games



playfish

And if you don't focus on the future, **you have no future.**

The sheer **weight** of operating The Sims Social was a big factor in the death of Playfish.

Lean Commandment 1

“Thou Shalt Go Lean...”

**...or thine studio shalt be encumbered with
unsustainable weight and die**

Talk Structure



1. INTRO



Why Lean?

How to get Lean?

2. CONTENT

How to make enough content?

What if content is complex?

3. EVENTS

What's the event's essence?

How can I do events without devs?

How can I keep events fresh?

4. BUNDLES

How can I maximise event intensity?

How to engage without intensity?



Spoiler alert. It's through **measuring** how lean you are. Look out of the lean KPIs in the next few slides.

How do you get Lean & stay
Lean?

At Space Ape, we're well known for running great Live Ops on Strategy games.
How did we get there?



SpaceApe™





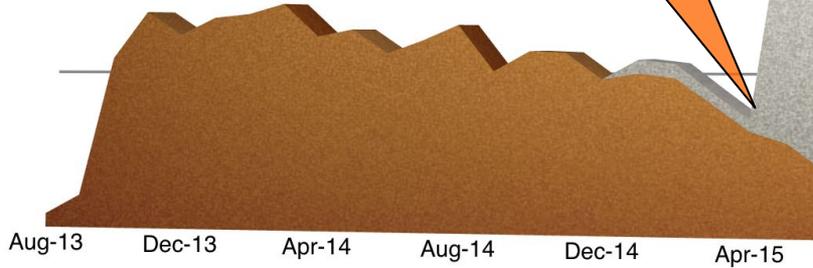
SAMURAI SIEGE



SpaceApe™

Space Ape Gross Bookings

It took a moment of crisis where the fate of Samurai Siege was at stake. Should we kill it?



Continue Supporting Samurai Siege

Kill Samurai Siege



Go Lean



We thought the choice was black and white. Keep going with a full team, or kill the game. But there was a third way. A **lean** way!

Profit per Team Member on Samurai Siege



This is how you quantify opportunity cost. As the team had the tools required to survive, making the team small turned them into a happy empowered unit...

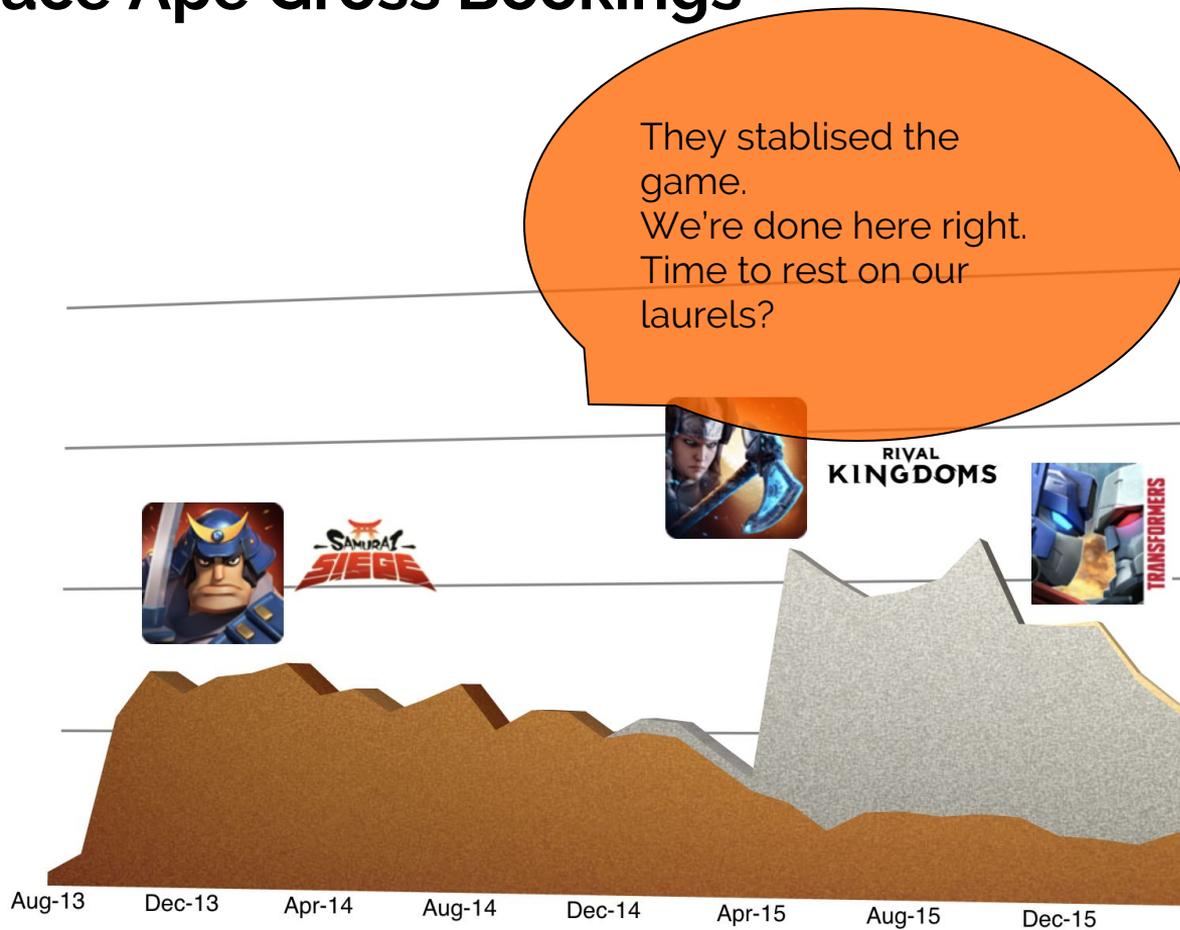
16 Team Members



4 Team Members
0 Developers



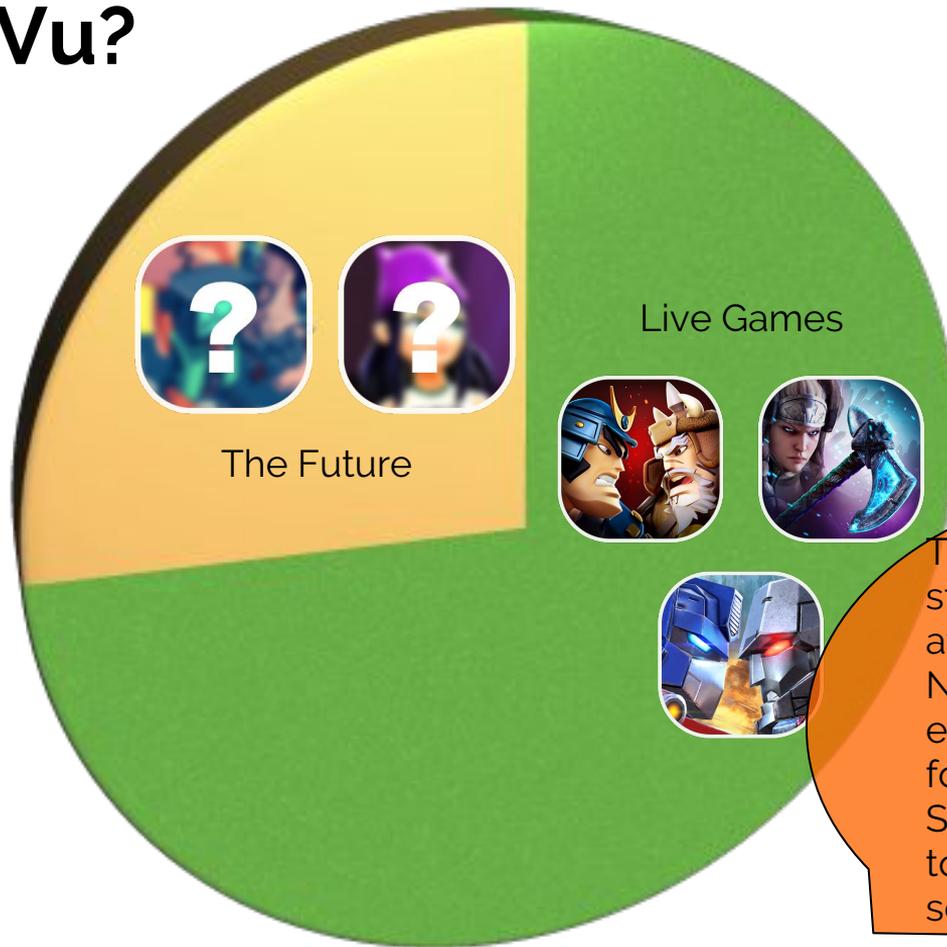
Space Ape Gross Bookings



They stabilised the game.
We're done here right.
Time to rest on our laurels?

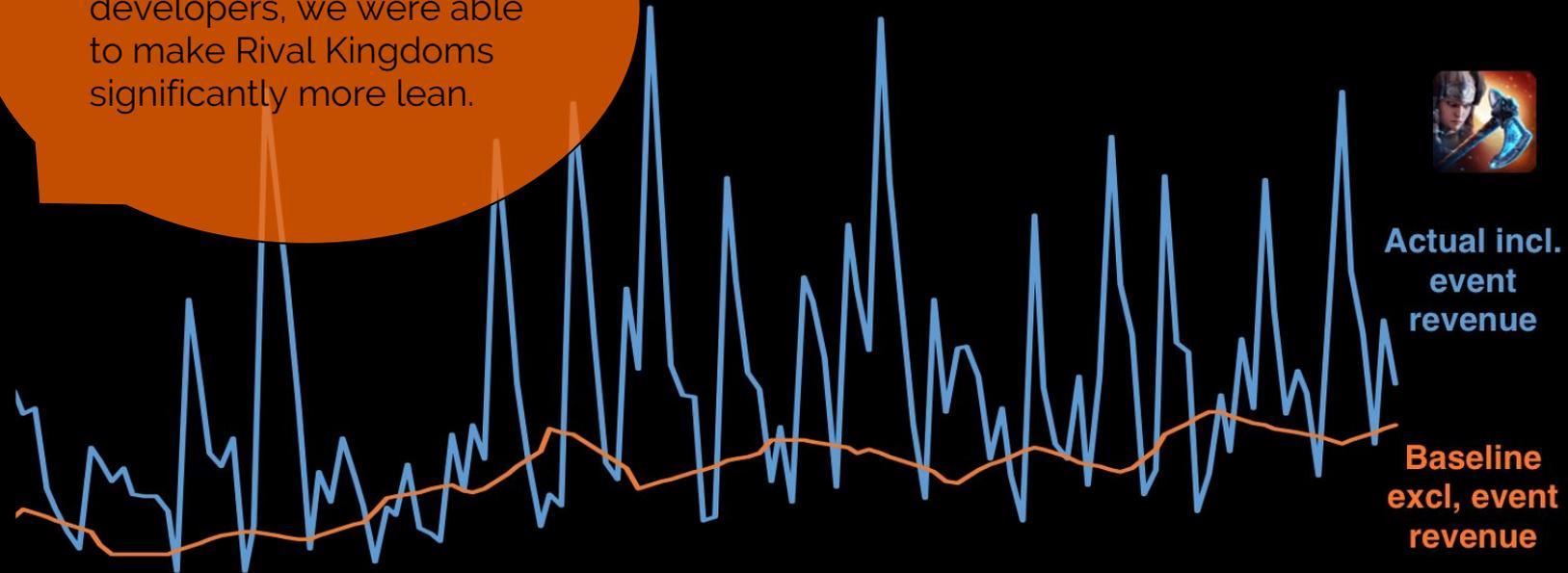


Deja Vu?



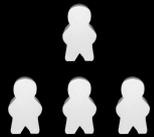
Time to **measure** our studio again, by looking at headcount allocation. Nope! We didn't have enough of our studio focusing on the future! Specifically, we needed to free up client and server developers.

Using the **measure** of client and server developers, we were able to make Rival Kingdoms significantly more lean.



Actual incl.
event
revenue

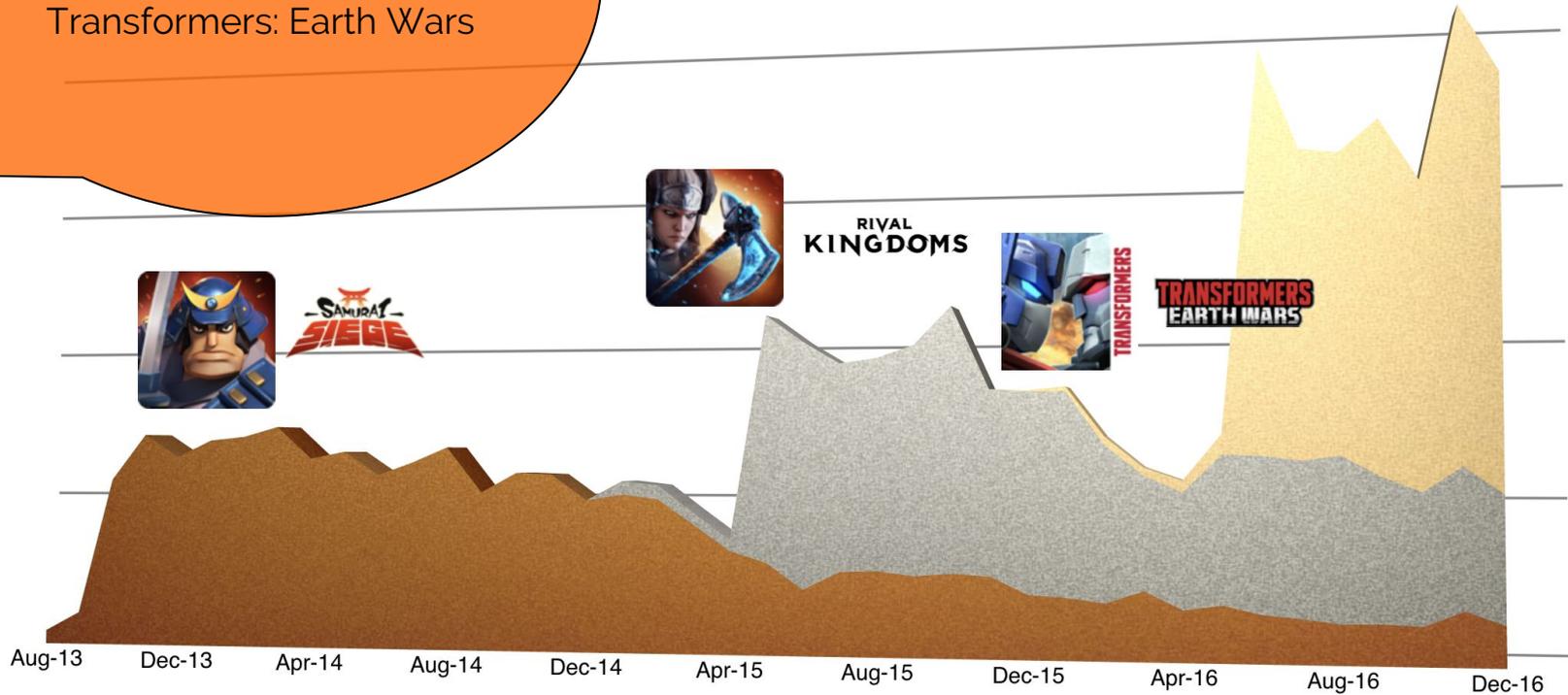
Baseline
excl. event
revenue



of developers

Space Ape Gross Bookings

...stabilising Rival Kingdoms, and launching Transformers: Earth Wars



This is what it's all about.
Making more bets on the
future.

Being able to afford to kill
game ideas.

It's all possible if your live
games aren't weighing
you down.

SpaceApe™



Jan 2017 Stat:
75% of devs working on unreleased games

Lean Commandment 2

“Thou Shalt Ceaselessly Quantify Lean”

- **% of studio on in-dev games**
- **Profit per employee on live games**
- **# of developers on live games**

These are some ways Space Ape has measured “Lean”.

Invent your own, or copy these!

But the key is to measure it!



1. INTRO

Why Lean?



How to get Lean?



2. CONTENT

How to make enough content?

What if content is complex?

3. EVENTS

What's the event's essence?

How can I do events without devs?

How can I keep events fresh?

4. BUNDLES

How can I maximise event intensity?

How to engage without intensity?



First figure out what content players really, really REALLY want.

In TF:EW it is Transformers. In RK it is "Ancients"





ANCIENT PREVIEW
NEZHA



How can you make enough
irresistible content?

Nezha



LORE

MYTHIC

LEVEL 70/70



2 WINS

ENHANCE

SELECT

Every part of an Ancient is easy to make WITHOUT a developer.

The art is the biggest time investment, but it is OUTSOURCABLE.

Outsource Brief



Give her a mask like above, but more feminine in shape. Use shapes like in the top left image.



Could try some of the more sculptural elements from the right image.



Try something sticking out either side of the mask. Hanging beads (top left) or short horns (top right)



Light body armour segments like above image, simplify the shapes and make the central piece a glowing pale pink stone.

She will be wearing a dress with a cape hanging over one shoulder.

Cape has gold feathery appearance like below.



65 Ancients Total

Her staff should look something like the left image, but also needs to fit with the other mages staffs. Crystal will need to be pink for Chaos.



To make the silhouette more interesting experiment with sculptural shapes around the neck and on the head.



This is the results of the
outsorce brief.

New Inventory Items!

Evolution materials make a BIG difference to the power of an ancient. But the production costs are even lower.



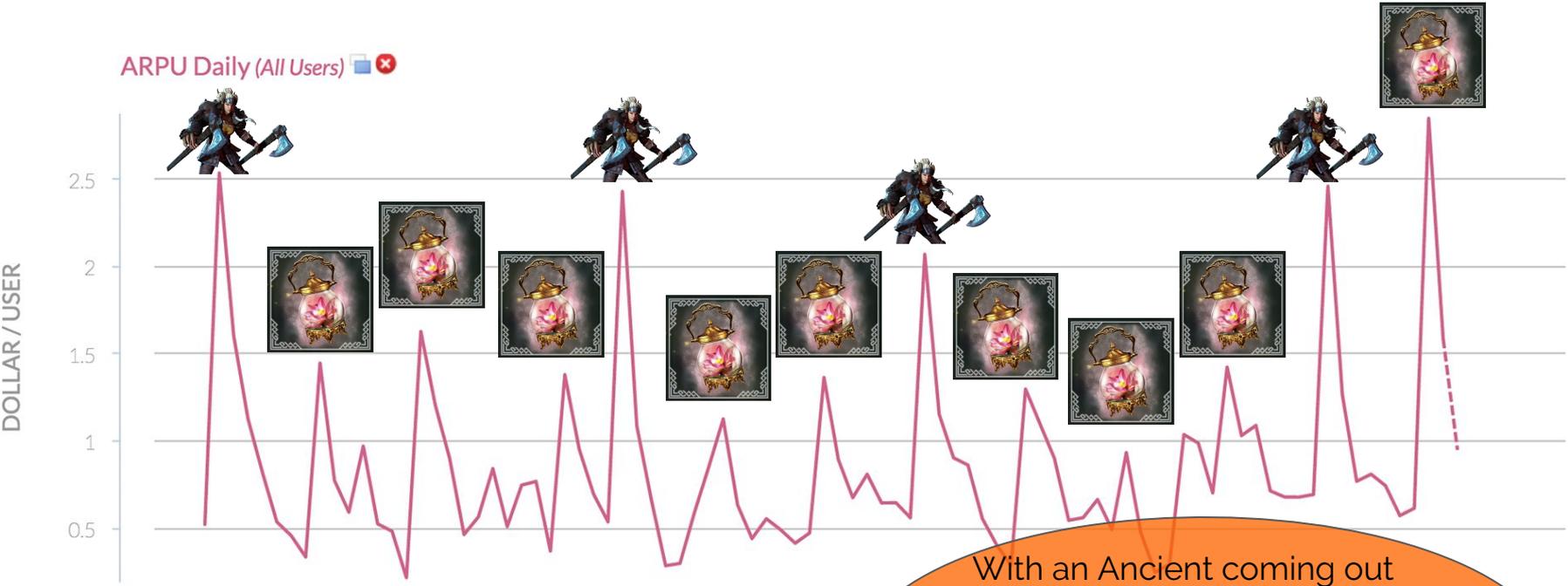
Iron Lotus Lantern



Golden Lotus Lantern

OK

Rival Kingdoms ARPU



With an Ancient coming out each month, and evolution materials filling in the gaps, RK can easily deliver enough content to fuel successful events every week.

The proof is in the pudding!
We've been able to
consistently release Ancients,
while staying lean.

CHAOS

0/4  0/20

FIRE

3/13  5/65

ICE

3/13  5/65

NATURE

1/12  2/60

LIGHTNING

3/12  6/60

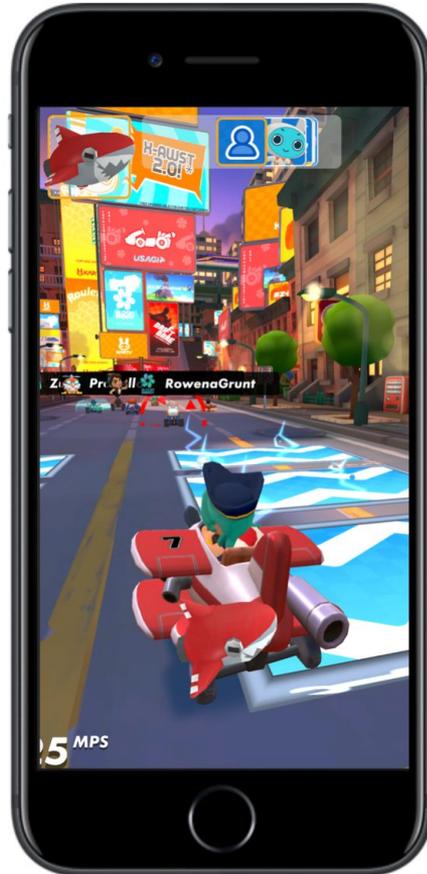
DEATH

2/11  4/55

65 Ancients Total

RIVAL KINGDOMS

EYE OF DESTRUCTION



Every game has its challenges and opportunities. In Super Karts it's easy to reskin a kart with a 512x512 texture, and a different set of ability slots.



We think about how Live Ops will work when designing the meta. The "parts" here are like Evo Materials - easy to make, but with big impact. This does mean you need to code abilities to be scriptible in content by game designers, which is more work upfront.



SUPER
KARTS

Parts & Gacha

Lean Commandment 3

**“Thou Shalt Ensure
Desirable Content is
Easy to Make...”**

...and Outsource as much as possible



But what if the desirable content is
a big, complex, 3D model?



Making a full 3D model with normal & specular maps, animations and custom sfx is a LOT of work, and...





STORY MODE



250

MAX SQUAD
POWER **107**

CAMPAIGN 1: **GET OPTIMUS!**

0% COMPLETION

No time to waste, the Decepticons are here! We must find a way to get our leader to Earth!

RECOMMENDED
POWER **50**



CAMPAIGN REWARD
OPTIMUS PRIME



BATTLE NOW!

...we gave away Optimus Prime for free in the onboarding campaign!

CAMPAIGN 2: **THE L**

0% COMPLETION

Complete progress

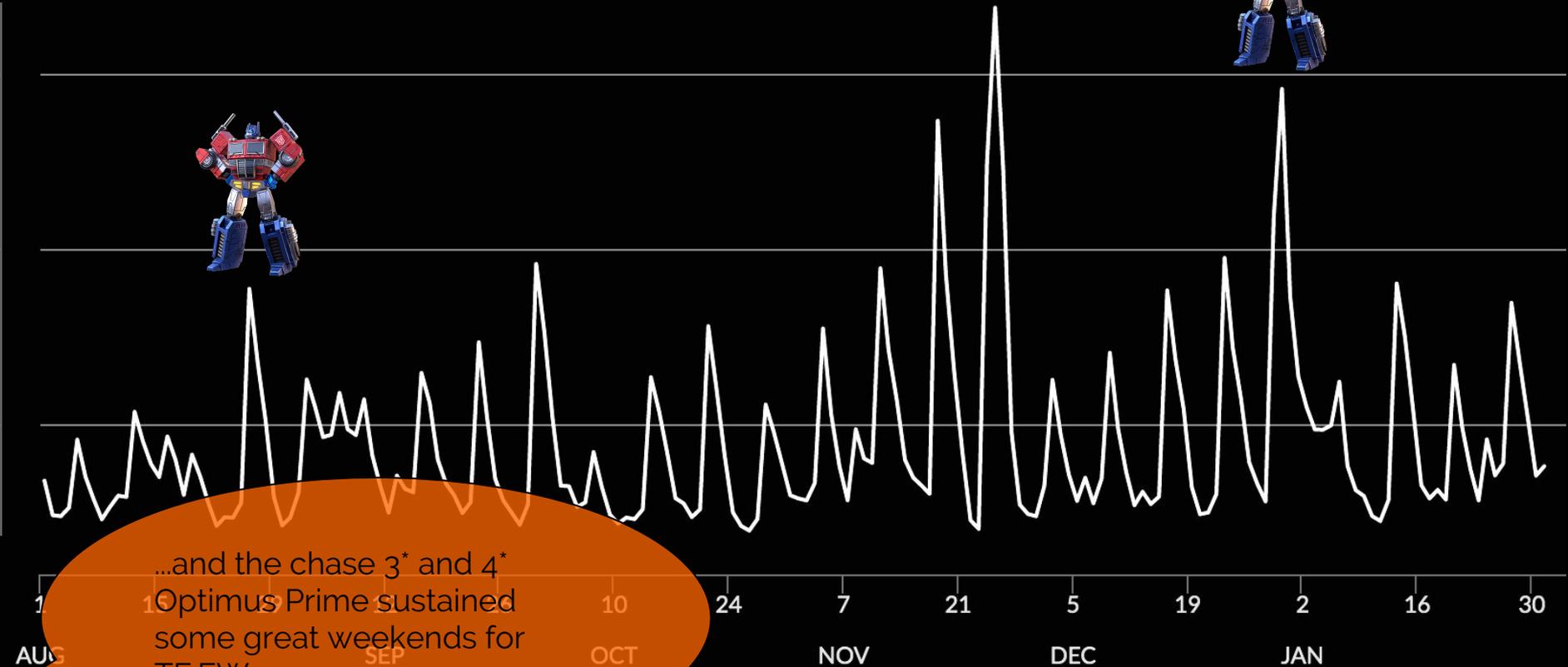




...but by using "Star Levels", we were able to make Optimus Prime a chase item again.



Revenue (All Users) [document icon] [close icon]



...and the chase 3* and 4*
 Optimus Prime sustained
 some great weekends for
 TF:EW.

LIVE OPS: LIFECYCLE MANAGEMENT



New
Transformer

Event Release



4 Weeks

Bundles



3 Weeks



Bot Crystal Sale

Premium
Crystal
Pool

2-3 Weeks



We use a "lifecycle" to ensure players have a few shots at chasing every Transformer. We make the chase epic!

Need for Speed: No Limits also had one-of-kind content, and spaced it out over an epic-four week event! Each week makes you dive into your garage of cars and upgrade them.

WEEK 1

COMPLETE ALL FOUR WEEKS TO WIN A
STAGE 4 LAFERRARI!

WEEK 1 CAR REQUIREMENT:

TOYOTA 86

MAZDA RX-7 FD

FORD MUSTANG GT

BMW M4 F82

START SERIES





56

VIP 1

1,000

225

5/5

TIME REMAINING
2d 23h

YOUR PROGRESS
0%

The first three races give you ONE Blueprint for the LaFerrari. You need 60 to unlock it.

The chase is epic! This is super fun for players, and lean for developers. Win-win!

REWARD



Event 0 of 3

Complete: **Chapter 1**



Event 0 of 4

Chapter opens in: 23h 59m



Event 0 of 5

Chapter opens in: 23h 59m



Event 0 of 8



Lean Commandment 4

**“Thou Shalt Make the
Chase Epic”**

**Especially if the content is expensive to
produce!**



1. INTRO

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How to get Lean? 

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4. BUNDLES

How can I maximise event intensity?

How to engage without intensity?



Alliance War Points

Rewards

500

Santa Oni Mercenary Camp

2500

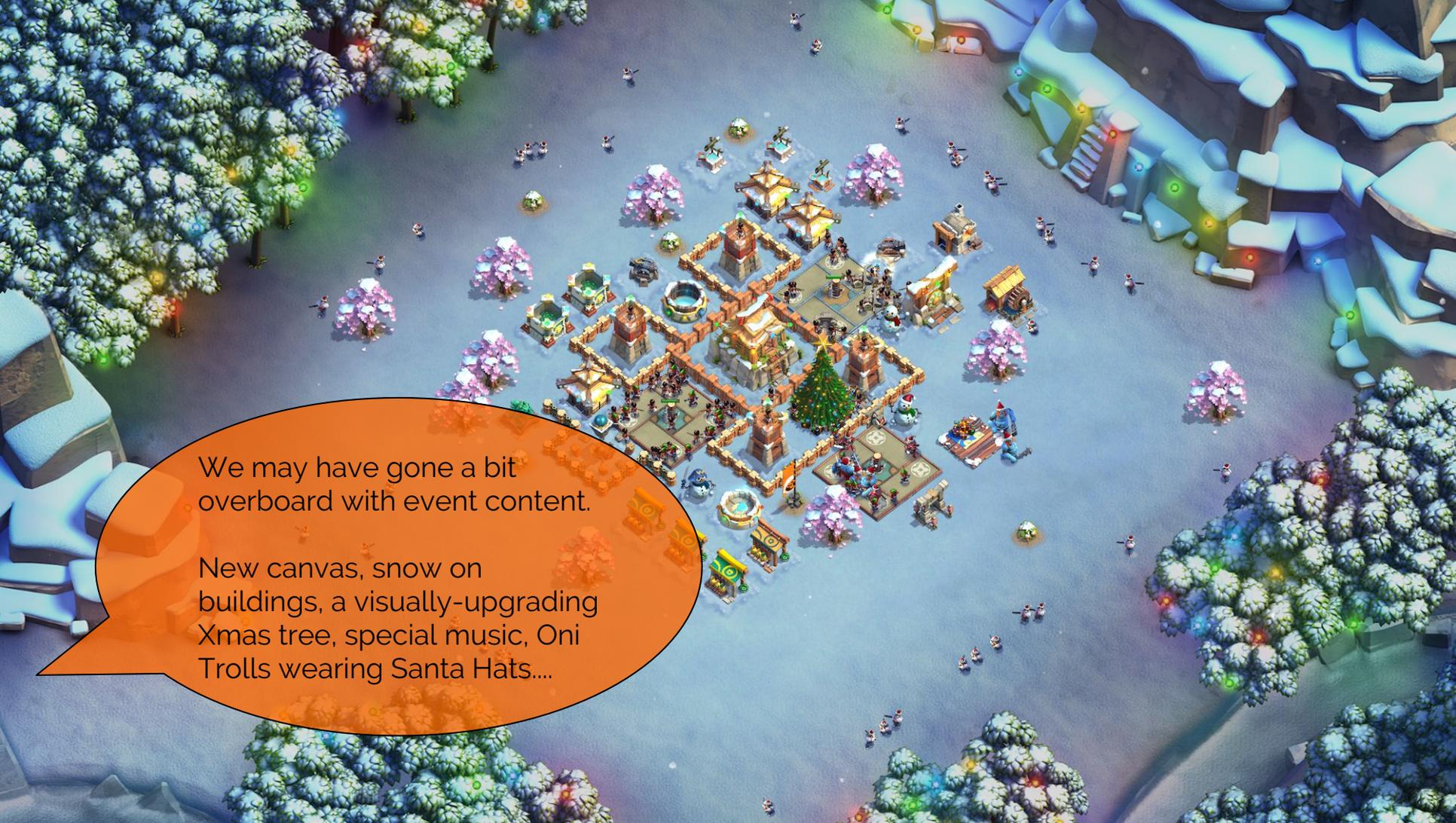
500 Diamonds

10000

Santa Oni Mercenary Camp

25000

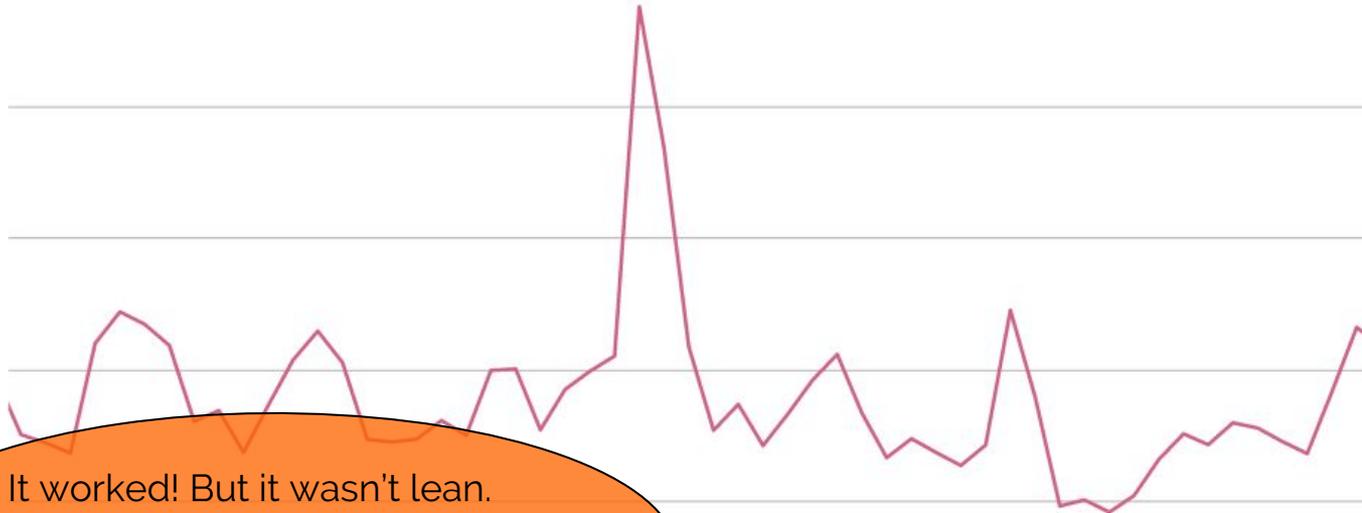
Dragon Statue

An aerial view of a game world during a winter event. The scene is covered in snow. In the center, there is a walled village with traditional buildings, a large Christmas tree, and several pink cherry blossom trees. To the right, there are large, snow-covered structures with glowing lights. The ground is a mix of grey and white, with small figures of characters scattered throughout. A large orange speech bubble is overlaid on the left side of the image.

We may have gone a bit
overboard with event content.

New canvas, snow on
buildings, a visually-upgrading
Xmas tree, special music, Oni
Trolls wearing Santa Hats....

Samurai Siege Gross Bookings



It worked! But it wasn't lean.
Did we need to change all
those things, or was there
some "essence" to the event?



What is the essence of your
event?

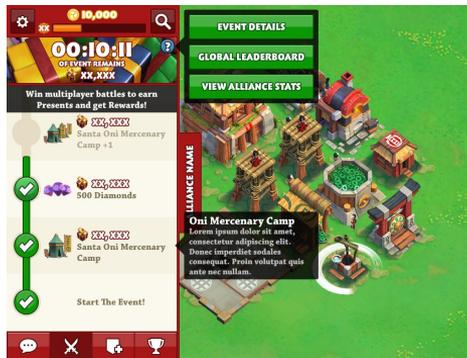
And what is tasty fat?

Alliance Event Format (AvE)



Battle!

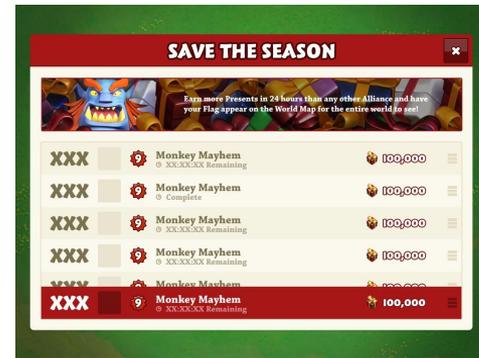
You need to find your **own** essence for you events. For our build and battle games, this is our core.



Earn War Points for your Alliance



Unlock Rewards



Compete on a Leaderboard against Alliances



4-STAR

STRAFE VS. SCOURGE



4-STAR

BATTLE

LEADERBOARD

REWARDS

MEMBERS

LEADERBOARD RANKS 1 - 5



4-STAR STRAFE CRYSTAL



4-STAR STRAFE CRYSTAL



4-STAR STRAFE CRYSTAL



2



ALWAYSHOSTILE

528,739

2



ALWAYSHOSTILE

528,739

2



ALWAYSHOSTILE

528,739



Notice how he calls out "his guildies" who put in a great amount of effort. There's a lot of social obligation and social

Lean Commandment 5

**“Thou Shalt Find Your
Events’ Essence”**

Such as Rewards + Co Op + Competition



How can I run a lot of events
without developers?

id: Has Resource Drop:

Resource Drop

Resource Type

EventResource1

Custom resource visual

job-acorn

castle-level-14

castle-level-8

castle-level-7

castle-level-6

castle-level-5

castle-level-4

castle-level-3

castle-level-2

castle-level-1

low-token-train-and-castle-level-8

+

Ancient Additional Drops

+

Basic Additional Drops

Boost: Amount:

Boost: Amount:

Boost: Amount:

Simple. Use tools. Video is available in the GDC Vault.

Shop
chestsLive
Bundles

Events

Projects

Timed
ThemesArena
SeasonsRewards &
MessagingFeature
Flags

Lang

Web
Images

Config

Configured Events

Create new

	ID	Event Name	Stat	Event Type	Live Status	Event Start Time	Event E
   	azuloKvE-20170222121816-live	event-kveAzulo-name	eventresource1-earned	Kingdom	Live	Feb 22nd 00:00:00 UTC	Feb 26t
   	NezhaKvE-20170222121816-live-clone	event-kveAzulo-name	eventresource1-earned	Kingdom	Off	Feb 27th 11:00:00 UTC	Mar 1st

 Show deleted items

Here's a few snapshots from the video showing the event tool in action



en Kingdom Event

de **es** **fr** **it** **ja** **ko** **pt** **ru** **zh-cn** **zh-hk**

Event Flavor

i Custom lang string?

event-kveAzulo-flavour

Status in current LangConfig:



en Sacrifice of the Damned

de **es** **fr** **it** **ja** **ko** **pt** **ru** **zh-cn** **zh-hk**

pt - Portuguese

Sacrificio dos Condenados

Description

i Custom lang string?

event-kveAzulo-desc

Status in current LangConfig:



en Prepare to fight for your Kingdom. Earn Chaos Gems and unlock amazing prizes including Azulo's Symbols of Exile, Crystal and Chaos Primus. Symbols of Exile will allow you to craft Azulo or his Ascension Materials. You must be Stronghold 6 or above to participate

Show Duration: 84 hours, 0 minutes (Show end date - Show start date)

Event Duration: 48 hours, 0 minutes (End Date - Start Date)

Timing

Show start date

26-02-2017



11

0

UTC

Start date

27-02-2017



11

0

UTC

End date

01-03-2017



11

0

UTC

Show end date

01-03-2017



23

0

UTC

Has Totaliser Has Leaderboard

Stat ID

eventresource1-earned

Event Type

Personal Kingdom

Has Totaliser Has Leaderboard

Stat ID

eventresource1-earned

Event Type

Personal Kingdom

Live Status

Staging Off

Leaderboard Rewards

- 1: x
- 2: x
- 3: x

Add prize

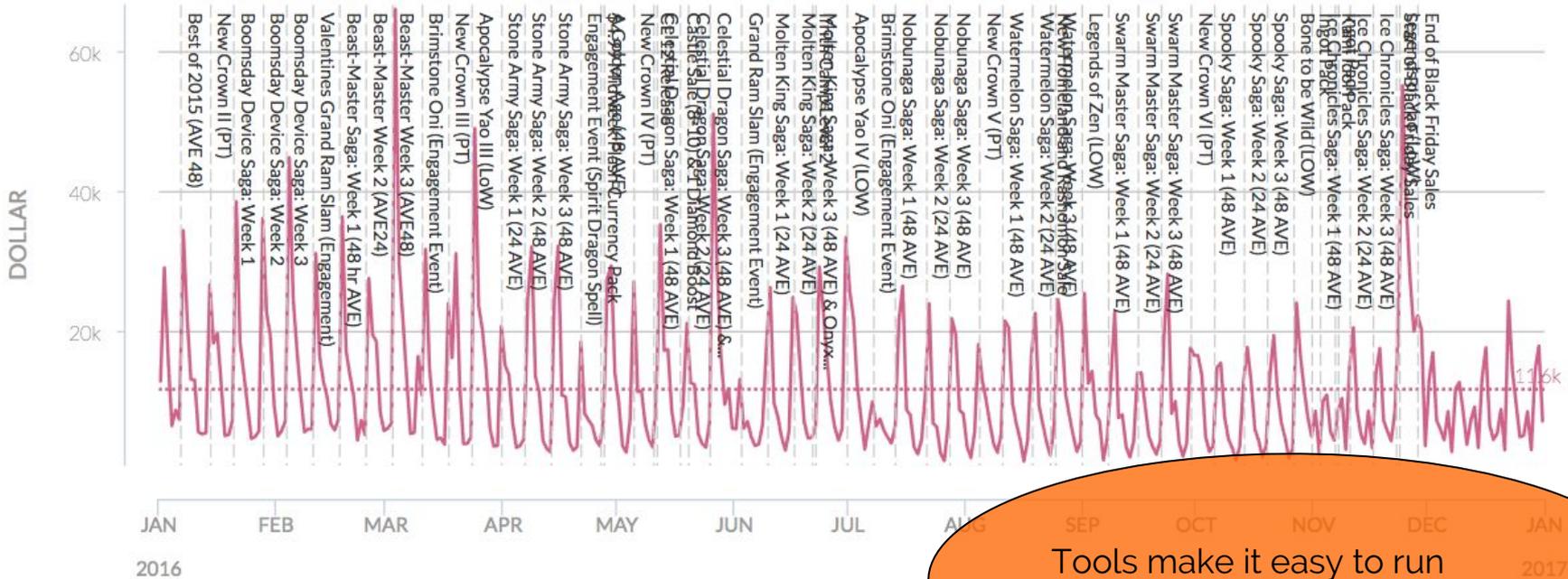
Min Rank: Max Rank:

Remove Reward

- 1: x
- 2: x
- 3: x



Revenue (All Users)   



Tools make it easy to run events whenever you'd like.

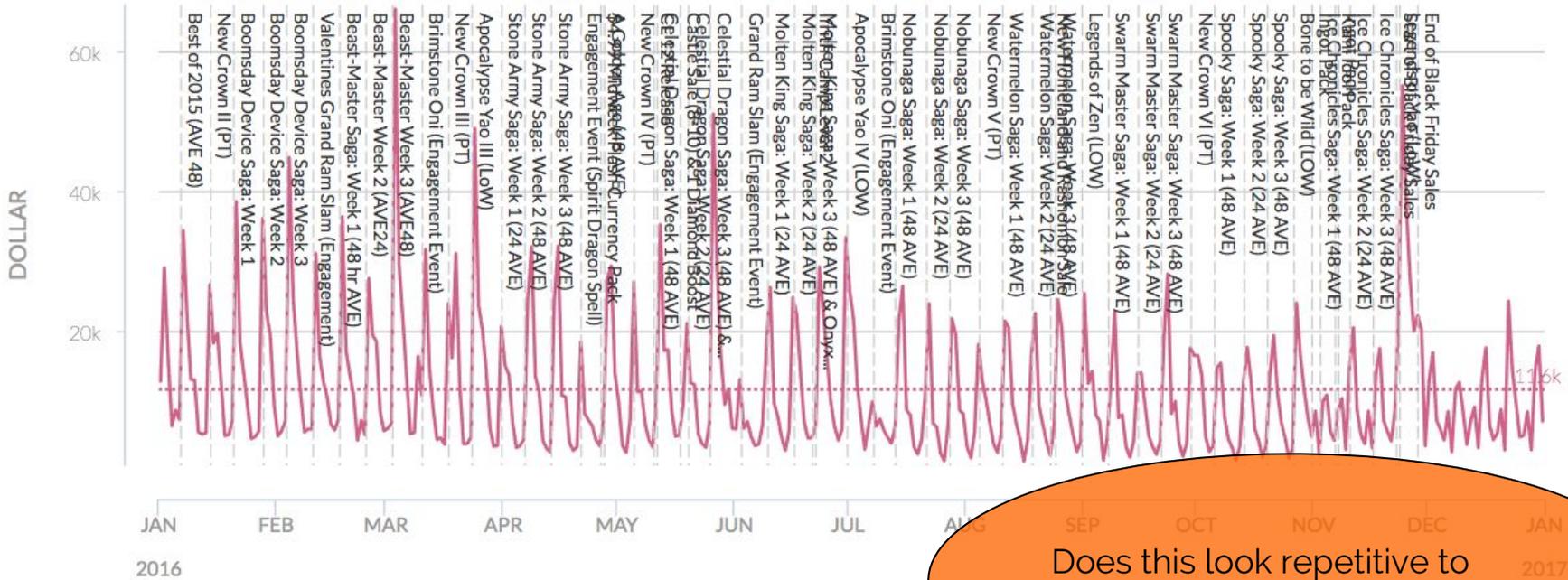
Lean Commandment 6

**“Thou Shalt Tool-Up
Your Events...”**

**...once you know your events' essence, you
know which tools you need to build**



Revenue (All Users)   

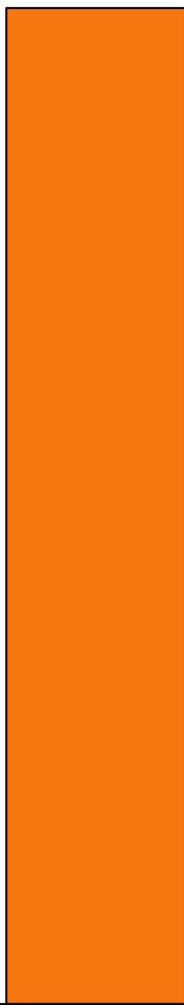


Does this look repetitive to you?

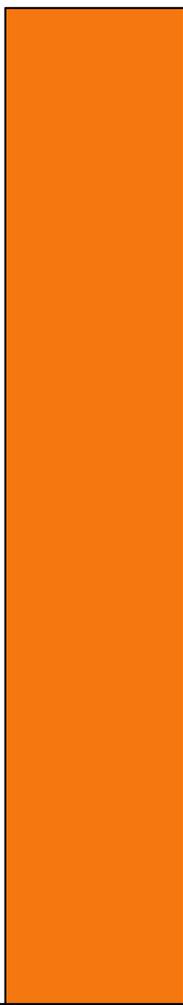


How can I keep events fresh?

Event Intensity



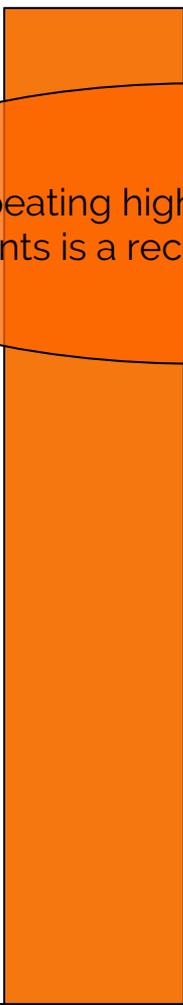
1



2



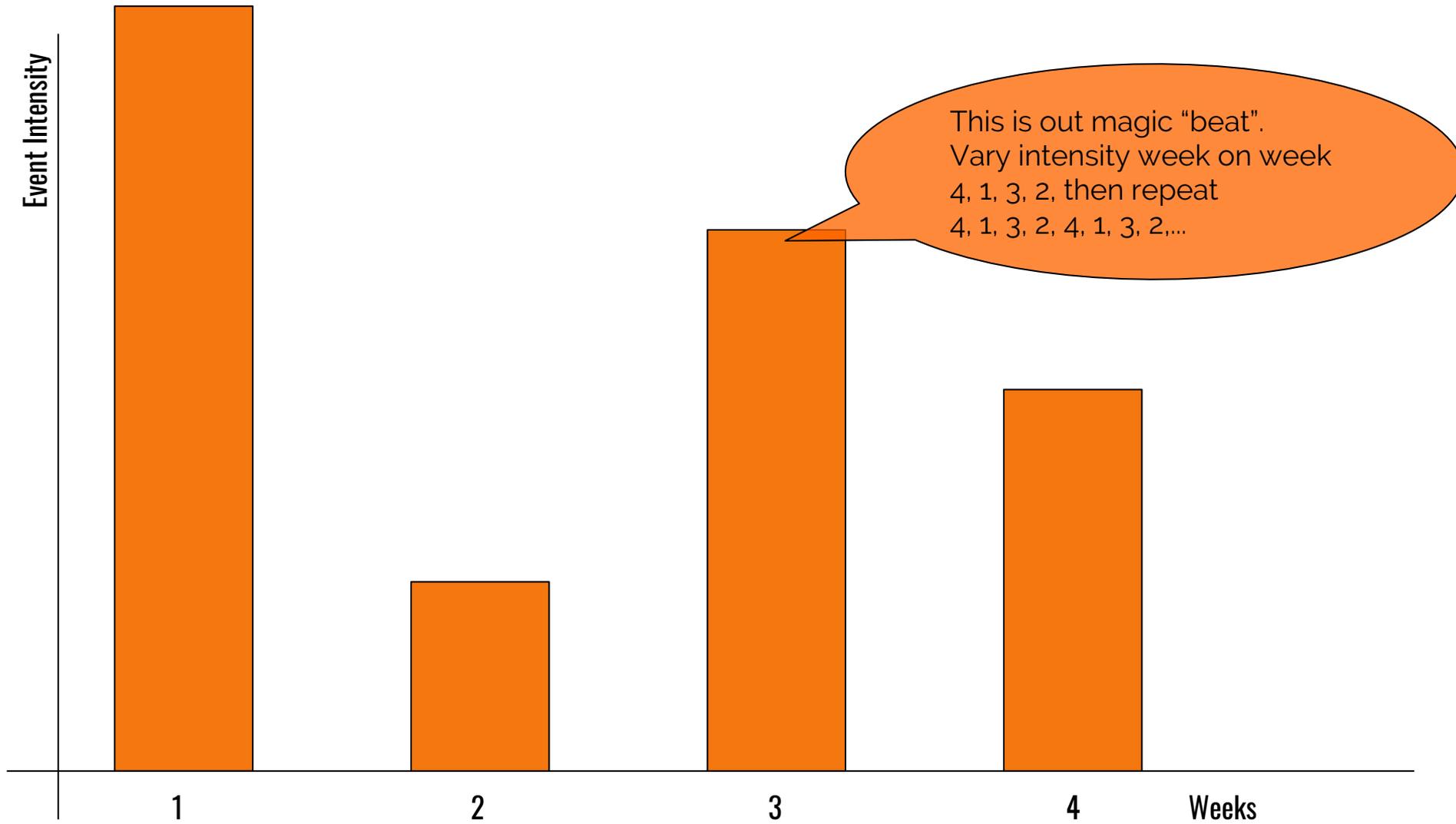
3

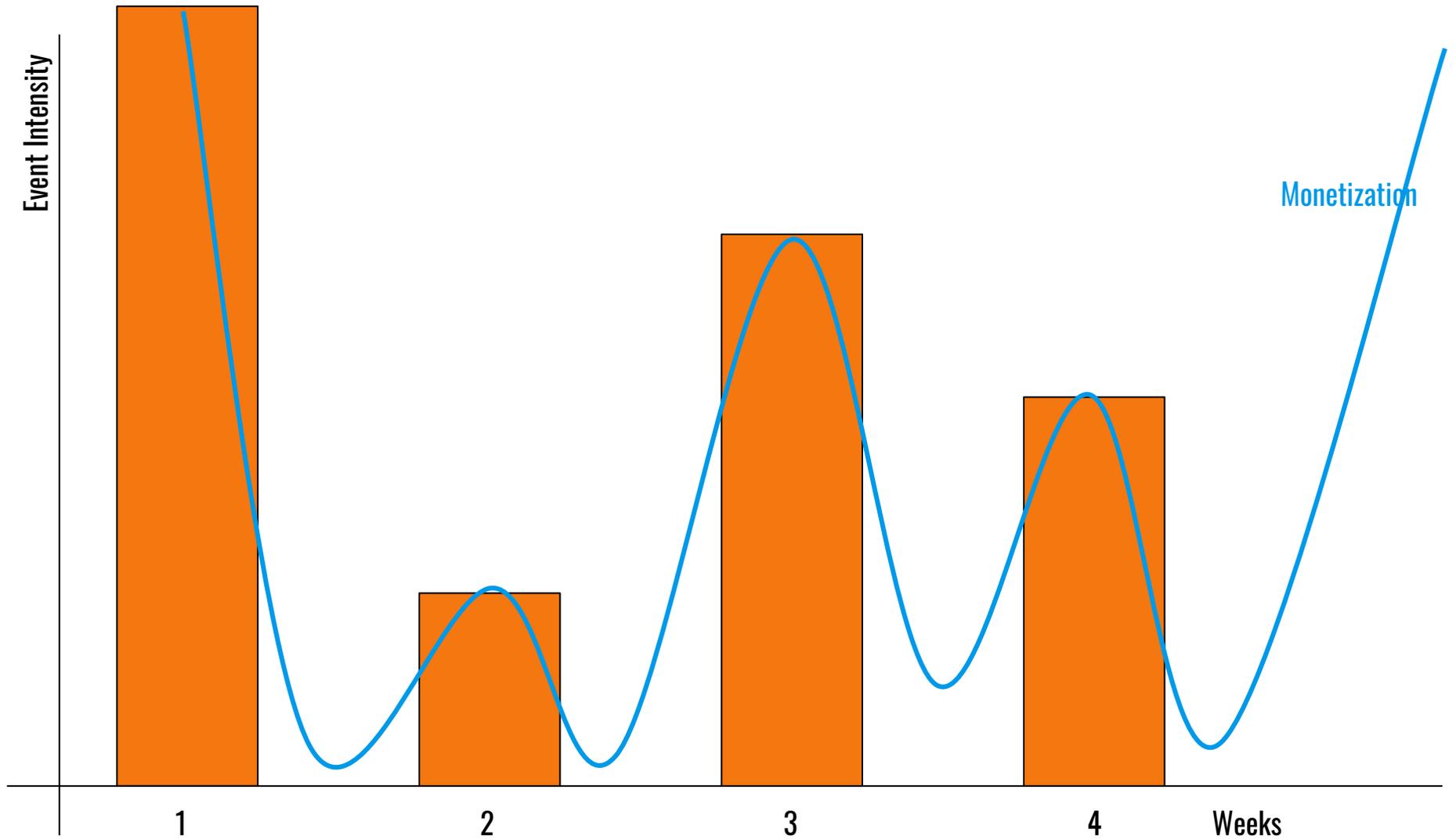


4

Weeks

Repeating high-intensity events is a recipe for fatigue.





Lean Commandment 7

“Thou Shalt Beatbox”

...by varying format and intensity of events



1. INTRO

Why Lean?



How to get Lean?



2. CONTENT

How to make enough content?



What if content is complex?



3. EVENTS

What's the event's essence?



How can I do events without devs?



How can I keep events fresh?



4. BUNDLES

How can I maximise event intensity?

How to engage without intensity?

2D 19H REMAINING

CHARACTER BUNDLE

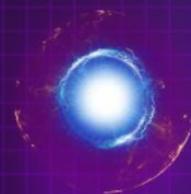
Contains Soundwave Crystals, with a chance to get a 3, or 4-Star Soundwave!



**SOUNDWAVE
CRYSTAL**
x 10



ENERGON
x 75,000



SPARK
x 4,000

£14.99

CHAOTIC BUNDLE



TIME LIMITED BUNDLE

22h 21m 07s

Give yourself an edge with this exclusive event bundle! **Limit 1 purchase per player.**



1,500 Diamonds



400 Rings



Gold Chaotic Casket



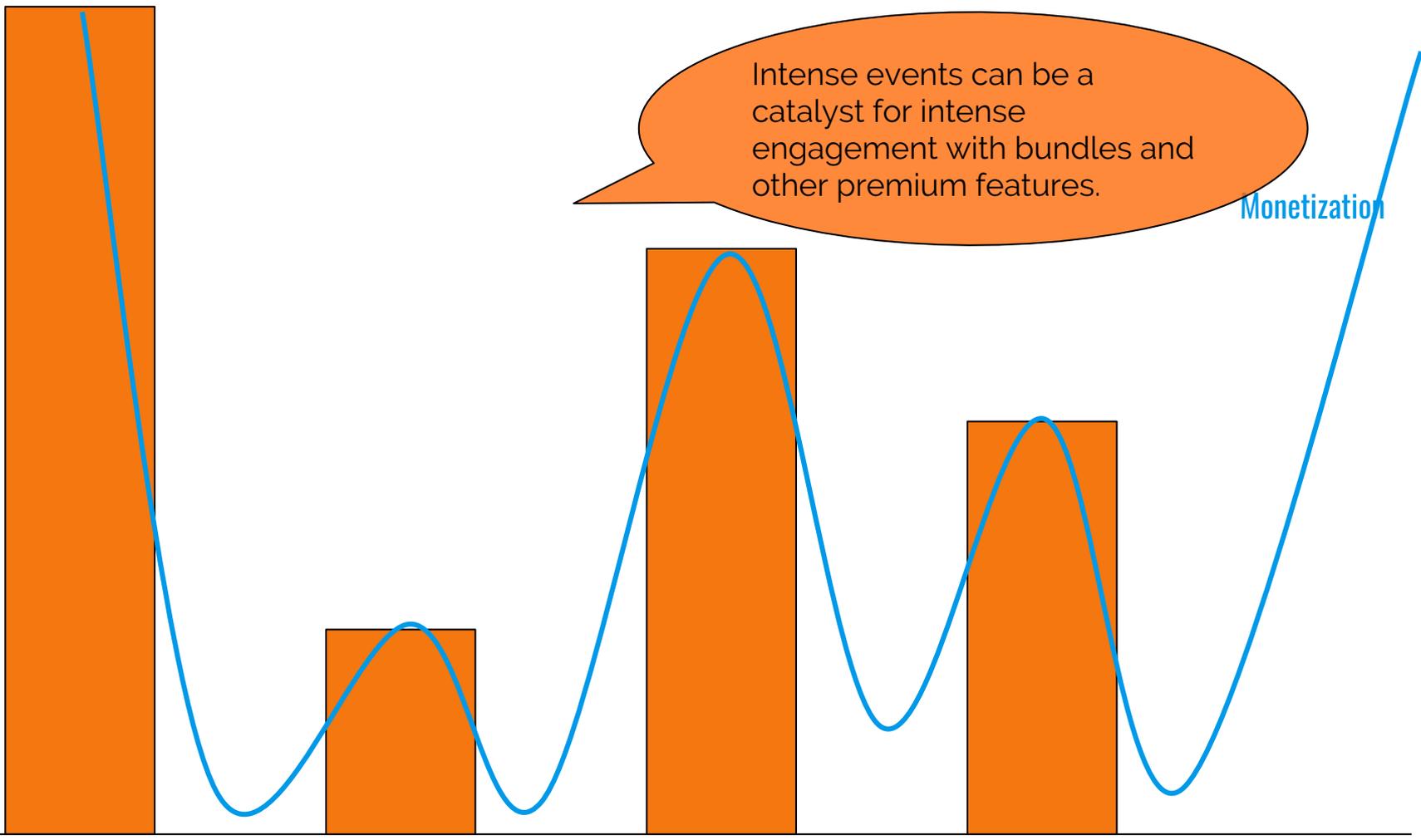
Valorous

£4.99



How can I make the most of event
intensity?

Event Intensity



Intense events can be a catalyst for intense engagement with bundles and other premium features.

Monetization

1

2

3

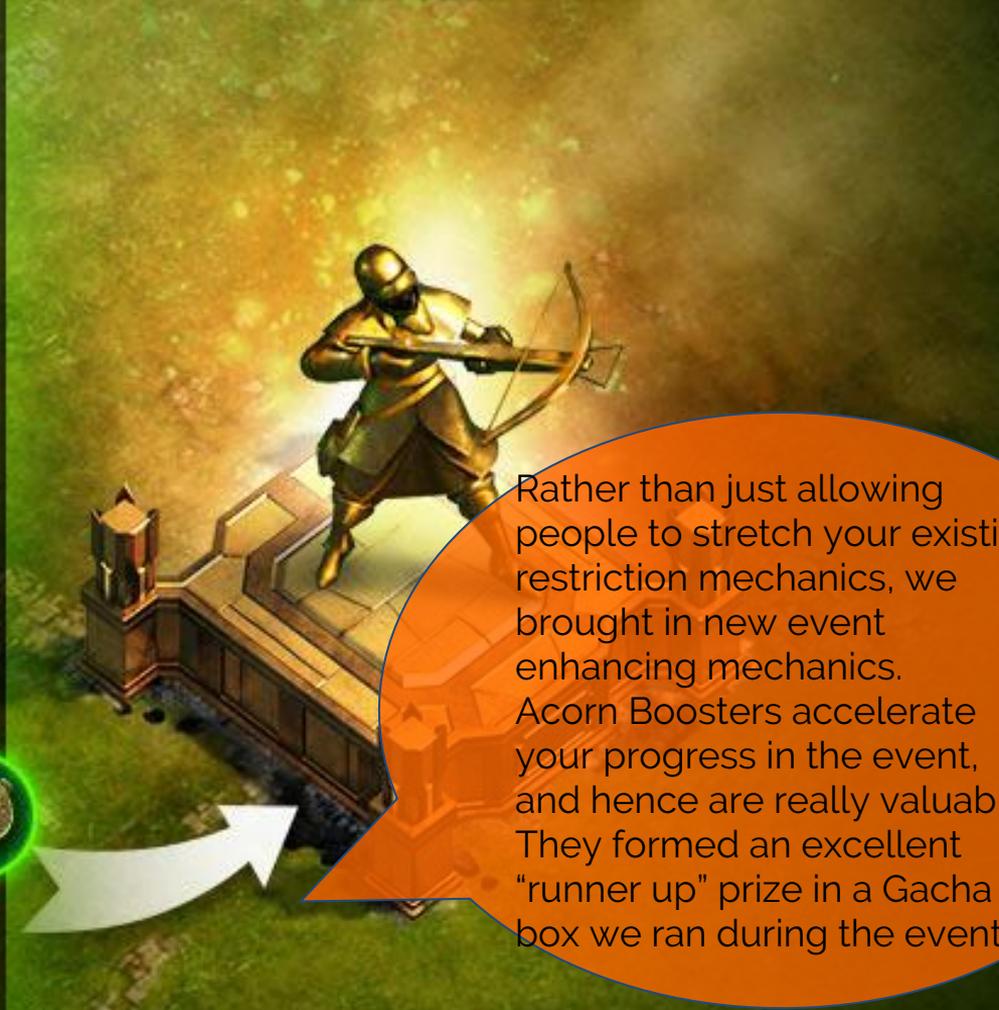
4

Weeks

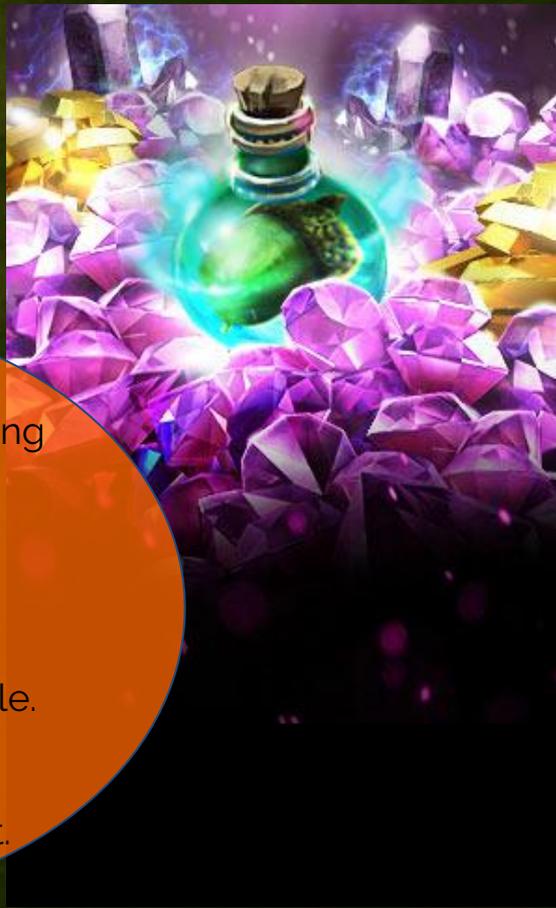
Battles per Player during Events



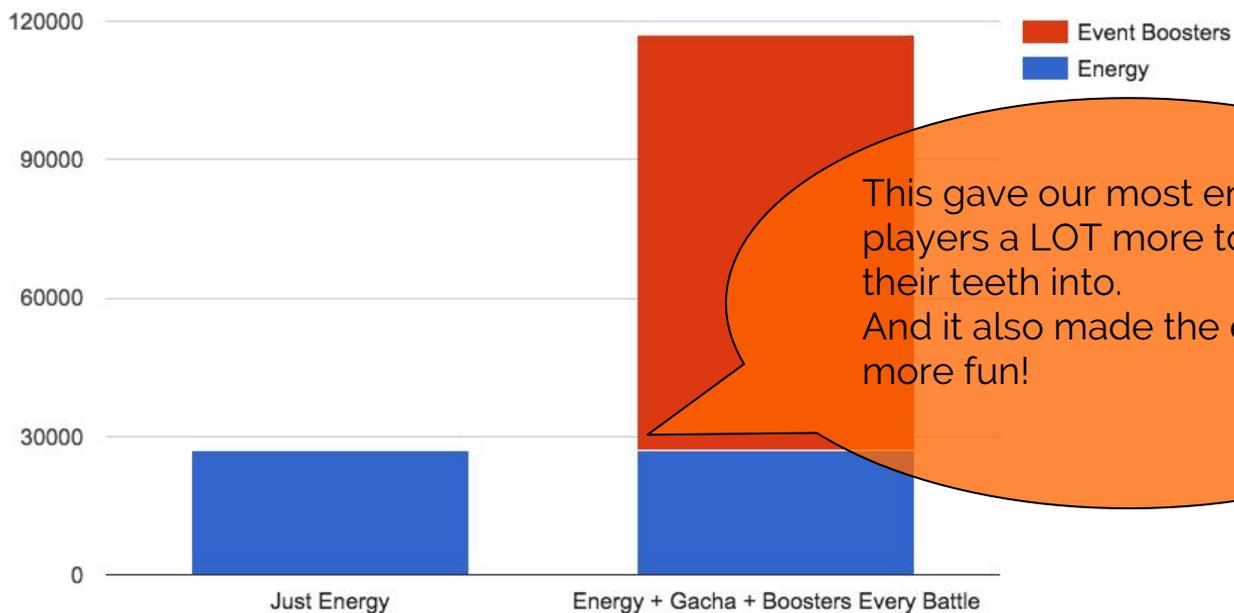
People can get REALLY engaged during events



Rather than just allowing people to stretch your existing restriction mechanics, we brought in new event enhancing mechanics. Acorn Boosters accelerate your progress in the event, and hence are really valuable. They formed an excellent "runner up" prize in a Gacha box we ran during the event.



Monetizing Intensity with Premium Event Currency



This gave our most engaged players a LOT more to sink their teeth into. And it also made the event more fun!

Estimated Diamond Spend for a Super-Engaged Spender, Doing 300 Battles per Event

Lean Commandment 8

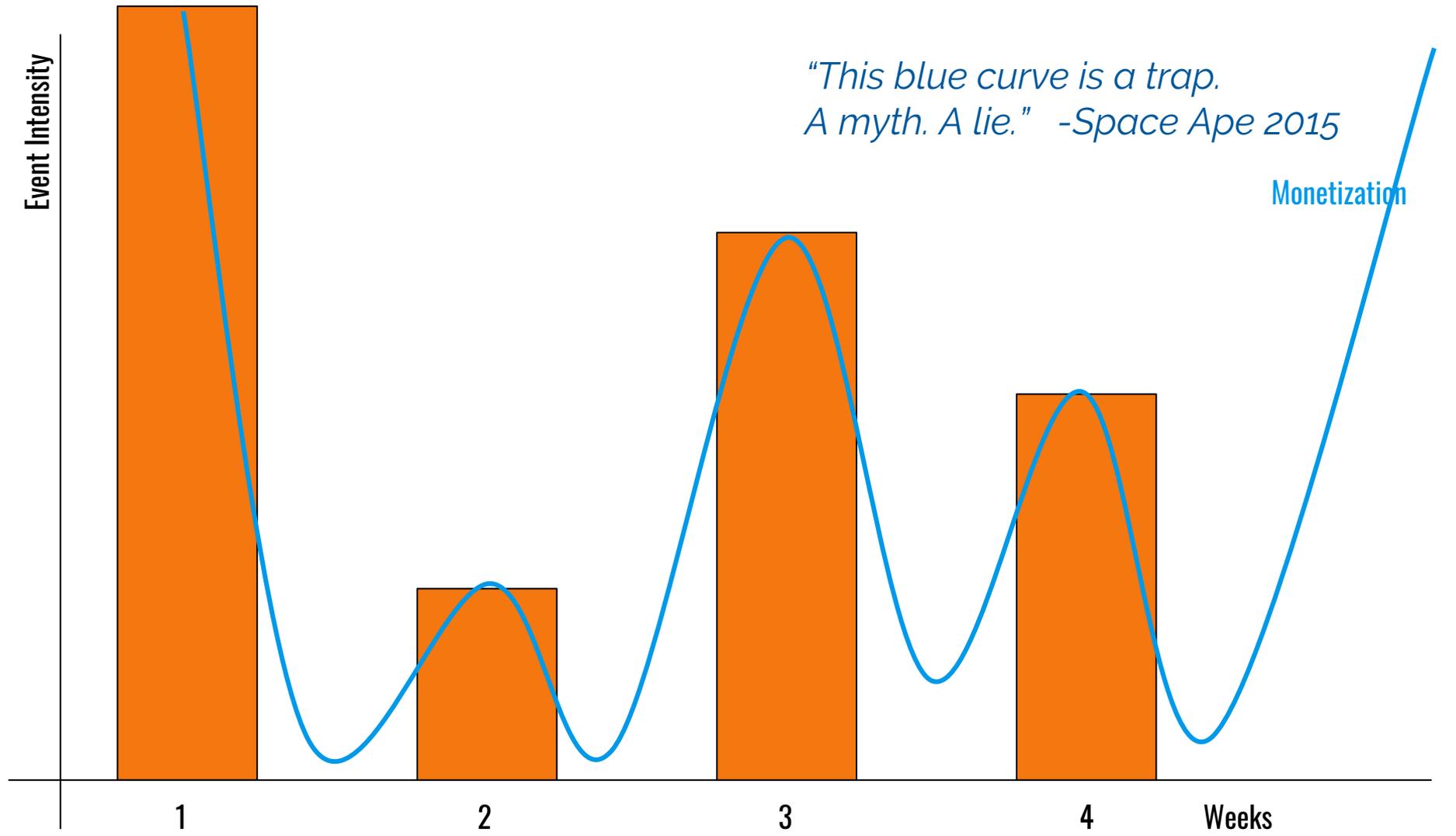
**“Thou Shalt Make
Intensity Your Ally”**

**...by making event energy premium, and
running symbiotic bundles**

Event Intensity

*"This blue curve is a trap.
A myth. A lie." -Space Ape 2015*

Monetization



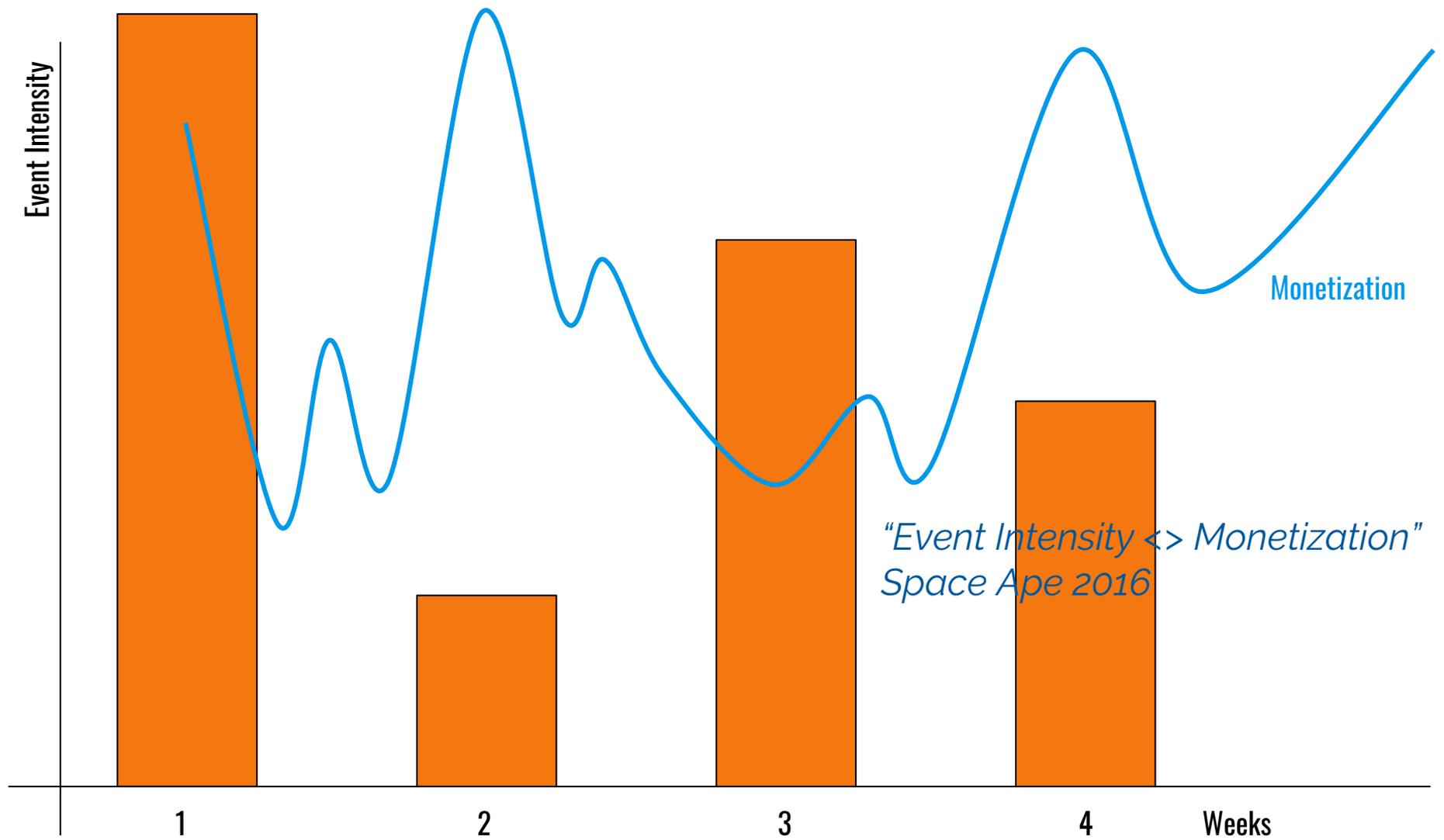
1

2

3

4

Weeks





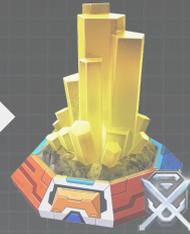
How can bundles be engaging
without event intensity?

LIVE OPS: LIFECYCLE MANAGEMENT



New Transformer

Event Release



4 Weeks



Bundles

Premium Crystal Pool

Free Crystal Pool

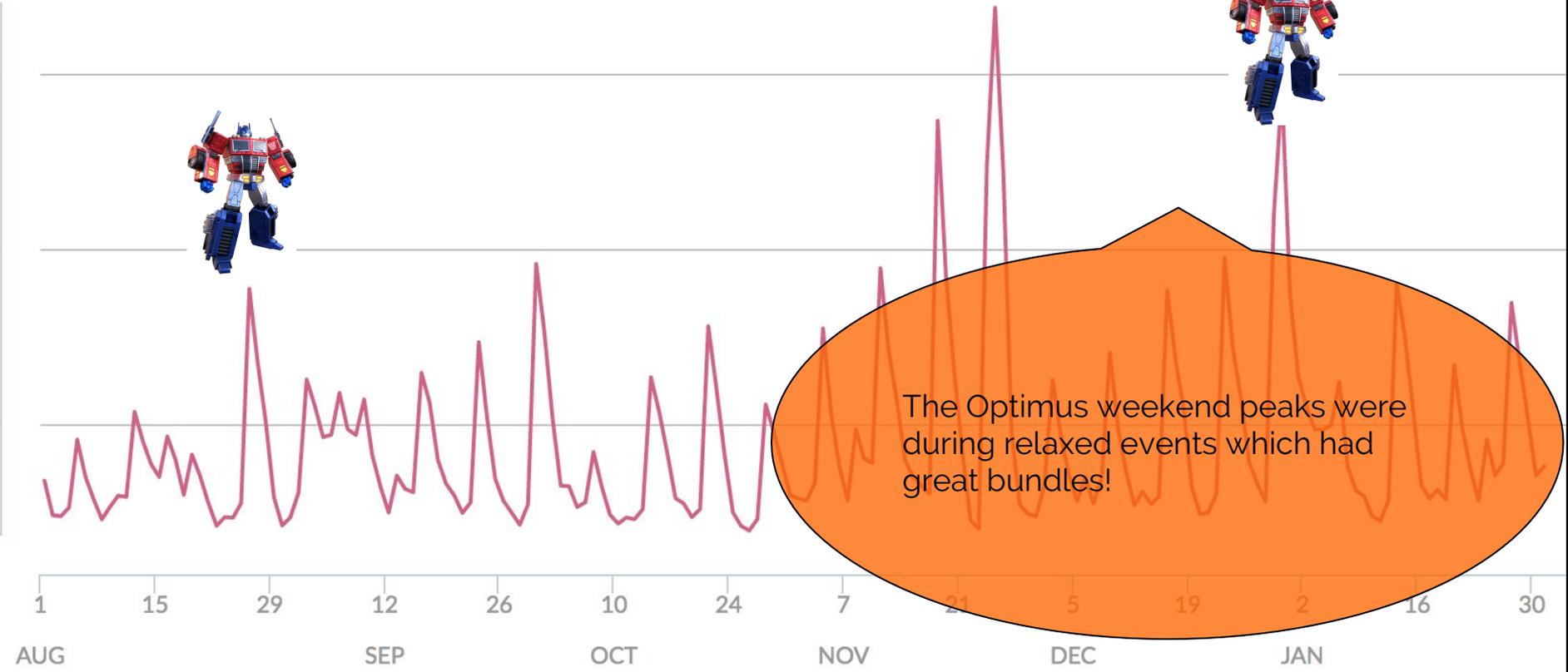


In more "casual" events, intensity will be lower.

This is a GREAT time to offer a bundle.

Especially for players who value their time a lot. They have a shot at prizes without doing dozens of battles per day.

Revenue (All Users)  



The Optimus weekend peaks were during relaxed events which had great bundles!

CHAOTIC BUNDLE



TIME LIMITED BUNDLE

22h 21m 07s

Give yourself an edge with this exclusive event bundle! Limit 1 purchase per player.



1,500 Diamonds



400 Rings



Gold Chaotic Casket



Valorous

£4.99

CHAOTIC VALUE BUNDLE



TIME LIMITED BUNDLE

22h 20m 38s

Give yourself an edge with this exclusive event bundle! Limit 1 purchase per player.



3,000 Diamonds



800 Rings



2x Gold Chaotic Casket



3x Valorous

£9.99

CHAOTIC MEGA BUNDLE



TIME LIMITED BUNDLE

22h 20m 03s

Give yourself an edge with this exclusive event bundle!



6,500 Diamonds



1,500 Rings



5x Gold Chaotic Casket



6x Valorous

£19.99

We offer LOTS of bundles.

In this one weekend, it had FOUR different variations of the bundle.

This meant we could offer a "limit one per customer" \$5 bundle with insane value and limited time.

Make a MULTITUDE of bundles!

Shop
chestsLive
Bundles

Events

Projects

Timed
ThemesArena
SeasonsRewards &
MessagingFeature
Flags

Lang

Web
Images

Config

Configured Bundles

INFO: This is the new bundles tool. Please enjoy responsibly.

Create new

	Order	ID	SKU	Live status	Diamond % extra	Purchases allowed	Start time	End time	Countries
   	0 ▾	5-azuloKvE-20170222123451	premium_pack_1	Live			Feb 22nd 00:00:00 UTC	Feb 26th 00:00:00 UTC	       
   	1 ▾	10-azuloKvE-20170222123749	premium_pack_2	Live			Feb 22nd 00:00:00 UTC	Feb 26th 00:00:00 UTC	       
   	2 ▾	20-azuloKvE-20170222123836	premium_pack_3	Live			Feb 22nd 00:00:00 UTC	Feb 26th 00:00:00 UTC	       
   	3 ▾	40-azuloKvE-20170222123942	premium_pack_4	Live			Feb 22nd 00:00:00 UTC	Feb 26th 00:00:00 UTC	       

Here are some selected screenshots from the Bundle Tool Video. (Viewable in GDC Vault video).

Shop chests

Live Bundles

Events

Projects

Timed Themes

Arena Seasons

Rewards & Messaging

Feature Flags

Lang

Web Images

Config

Edit

Update

Cancel

ID *

5-azuloKvE-20170222123451

→ Actual ID used: 5-azuloKvE-20170222123451

SKU

premium_pack_1

Diamond % Extra

50

Purchases Allowed

1

Start Date

22-02-2017



0

0

UTC

End Date

26-02-2017



0

0

UTC

HUD Text

? Custom lang string?

premium_bundle-5-event-azuloKvE-name

Status in current LangConfig:



en Phase Shift Bundle

de **es** **fr** **it** **ja** **ko** **pt** **ru** **zh-cn** **zh-hk**

Shop Image

Image Type

Internet ▾

Select Image

Drag and drop image(s) here

Image Rect

x

0

y

0

w

1

h

1

Dimensions:

Fallback

HUD Image

Image Type

Select rewards

Choose Rewards

<input checked="" type="radio"/> Currency	<input type="text" value="250"/>	<input type="text" value="Premium"/>		
<input type="radio"/> Player Name Change	<input type="text" value="1"/>			
<input type="radio"/> Battle Booster	<input type="text" value="acorn-mana-1-superior"/>	Quantity	<input type="text" value="1"/>	
<input type="radio"/> Chest	<input type="text" value="boost-chest-legendary"/>	Quantity	<input type="text" value="1"/>	
<input type="radio"/> Evolution Material	<input type="text" value="alpaca-adhira-legendary"/>	Quantity	<input type="text" value="1"/>	
<input type="radio"/> Material	<input type="text" value="chaos-100"/>	Quantity	<input type="text" value="1"/>	
<input type="radio"/> Crafting Resource	<input type="text" value="azulo-symbol"/>	Quantity	<input type="text" value="1"/>	
<input type="radio"/> Crafting Recipe	<input type="text" value="ltutorial-whitethornBooster"/>			
<input type="radio"/> Titan Level	<input type="text" value="Abhorrence"/>			
<input type="radio"/> Statue	<input type="text" value="statue-abhorrence-0"/>			
<input type="radio"/> Building	<input type="text" value="bld-alchemyWorkshop-1"/>			
<input type="radio"/> Time Limited Perk	<input type="text" value="canvas-desert"/>	Duration (s)	<input type="text" value="60"/>	Inventory time (s) <input type="text" value="300"/>
<input type="radio"/> Time Limited Evolution Material	<input type="text" value="alpaca-adhira-legendary"/>	Duration (s)	<input type="text" value="60"/>	Inventory time (s) <input type="text" value="300"/>
<input type="radio"/> Subscription	<input type="text" value="chest-ancient-20-7days-3-1"/>			
Source type	<input type="text" value="IAP"/>			

Shop
chestsLive
Bundles

Events

Lang

Web
Images

Config

Test chest drop rate

Reward type	Description	Quantity ▲
TitanLevelReward	guanyu	349
TitanLevelReward	kaylin	226
BattleBoosterReward	boost-lumpsucker-fieryblast-1	137
TitanLevelReward	wukong	133
MaterialReward	fire-10000	83
MaterialReward	fire-20000	67
EvolutionMaterialReward	lumpsucker-huojin-2-mythic	4
EvolutionMaterialReward	mastodon-wukong-mythic	1

How many times do you want to open chest ?

Open again

Cancel

Order ID

0

Nezha's Chest-20170223

 Show deleted items

CMS Client Chest ID

Name

00 UTC



chest-event-nezhaKvE che:

Lean Commandment 9

**“Thou Shalt Offer a
Multitude of Bundles”**

**...by the liberating power of tools, more
players can engage with amazing offers.**

1. INTRO

Why Lean?



How to get Lean?



2. CONTENT

How to make enough content?



What if content is complex?



3. EVENTS

What's the event's essence?



How can I do events without devs?



How can I keep events fresh?



4. BUNDLES

How can I maximise event intensity?



How to engage without intensity?





SpaceApe™

Lean live Ops stopped us being weighed down by our success in Build-and-Battle games





SpaceApe™

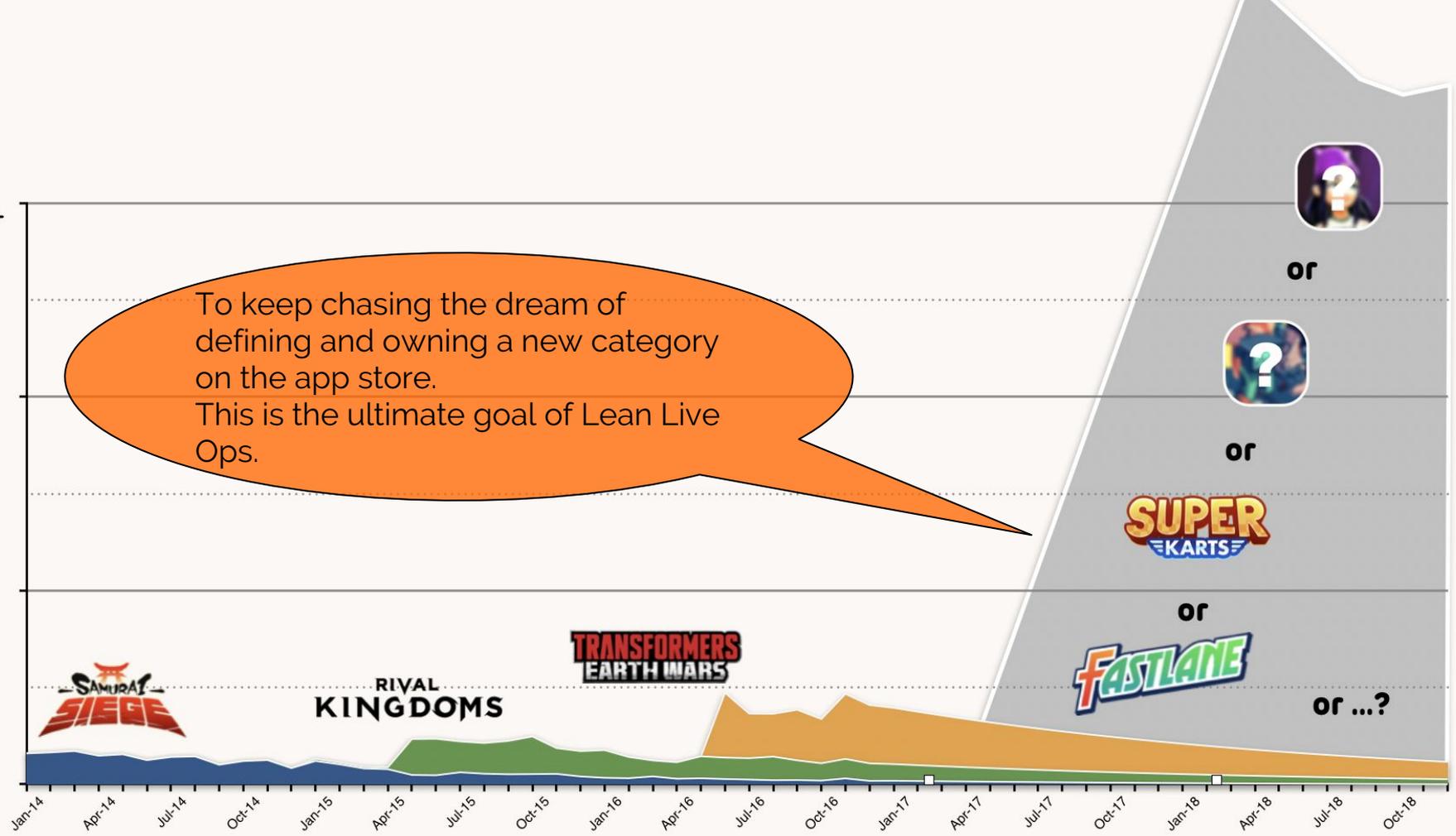
And allowed us to focus on making new games



Jan 2017 Stat:
75% devs working on unreleased games

\$100m+

To keep chasing the dream of defining and owning a new category on the app store. This is the ultimate goal of Lean Live Ops.



Nezha



Make content easy to produce and oursourcable.

LORE

MYTHIC LEVEL 70/70



2 WINS

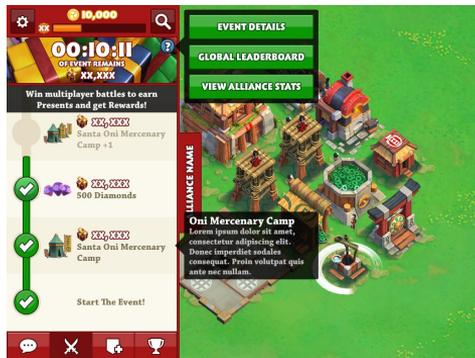
ENHANCE

SELECT

Alliance Event Format (AvE)



Battle!

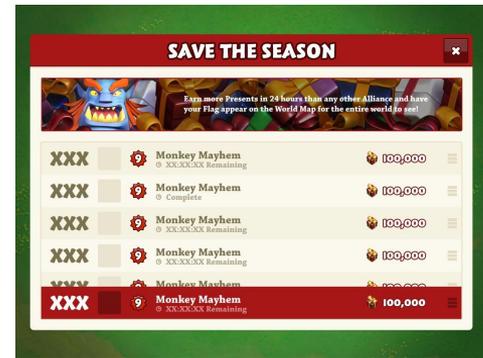


Earn War Points for your Alliance



Find your events' essence, and tool up.

Unlock Rewards



Compete on a Leaderboard against Alliances

CHAOTIC BUNDLE



TIME LIMITED BUNDLE

22h 21m 07s

Give yourself an edge with this exclusive event bundle! Limit 1 purchase per player.



1,500 Diamonds



400 Rings



Gold Chaotic Casket



Valorous

£4.99

CHAOTIC VALUE BUNDLE



TIME LIMITED BUNDLE

22h 20m 38s

Give yourself an edge with this exclusive event bundle! Limit 1 purchase per player.



3,000 Diamonds



800 Rings



2x Gold Chaotic Casket



3x Valorous

£9.99

CHAOTIC MEGA BUNDLE



TIME LIMITED BUNDLE

22h 20m 03s

Give yourself an edge with this exclusive event bundle!



6,500 Diamonds



1,500 Rings



5x Gold Chaotic Casket



6x Valorous

£19.99

Tool up again to run a multitude of bundles... and that's it!

The Ten Lean Commandments

Thou Shalt...

Go **lean**

Make content
outsourcable

Find the
essence of
your events

Make **intensity**
your ally

Ceaselessly
quantify lean

Make the
chase epic

Tool up your
events

Offer a
multitude of
bundles

Hmmm that's just nine
commandments.

Beatbox



Who wants to live forever?

As in, "who wants to be live forever".
(This homonym joke falls a little flat in text form).



NEW ZEALAND DEPARTMENT OF EDUCATION

PROJECT CERTIFICATE

BOYS' AND GIRLS' AGRICULTURAL CLUBS



AWARDED TO Joseph Raeburn

for Goat Rearing - Wainui School

SIGNED R. Graham

DATE 24.10.85



The GDC Vault video ends with an epic story about a goat. You're just going to have to imagine it here.

Lean Commandment 10

**“Thou Shalt Forget D1.
Thou Shalt Design for
Day 1000.”**

**Don't build a deaf goat, and thou shalt live
forever.**



The Ten Lean Commandments

Thou Shalt...

Go **lean**

Make content
outsourcable

Find the
essence of
your events

Make **intensity**
your ally

Ceaselessly
quantify lean

Make the
chase epic

Tool up your
events

Offer a
multitude of
bundles

Beatbox

Design for Day 1000



THANKS!!

Q?

Again, I recommend you watch the video in the GDC vault. There is a bunch of insightful questions. And a story about a goat.
Thanks! - Joe R
