



flight



High Performance Web Content

Ben Ward & Aravind Ramanathan

Twitter for Websites | @benward & @indianburger

**Twitter is For
Telling Stories**

**We Build Tools to Put
Twitter into Your Website**



Tweet



Address bar with a white background and a grey border.

Unlikely News



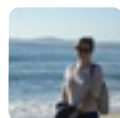
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.



[Redacted text block]



[Redacted text block]



[Redacted text block]



[Redacted text block]



[Empty browser address bar]

Unlikely News

 **Tweet**

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut...

 [Redacted text]

 [Redacted text]

 [Redacted text]

 [Redacted text]

 [Redacted text]

 [Redacted text]

 [Redacted text]

 [Redacted text]

**It's Our Job to Deliver on
Twitter's Promise**

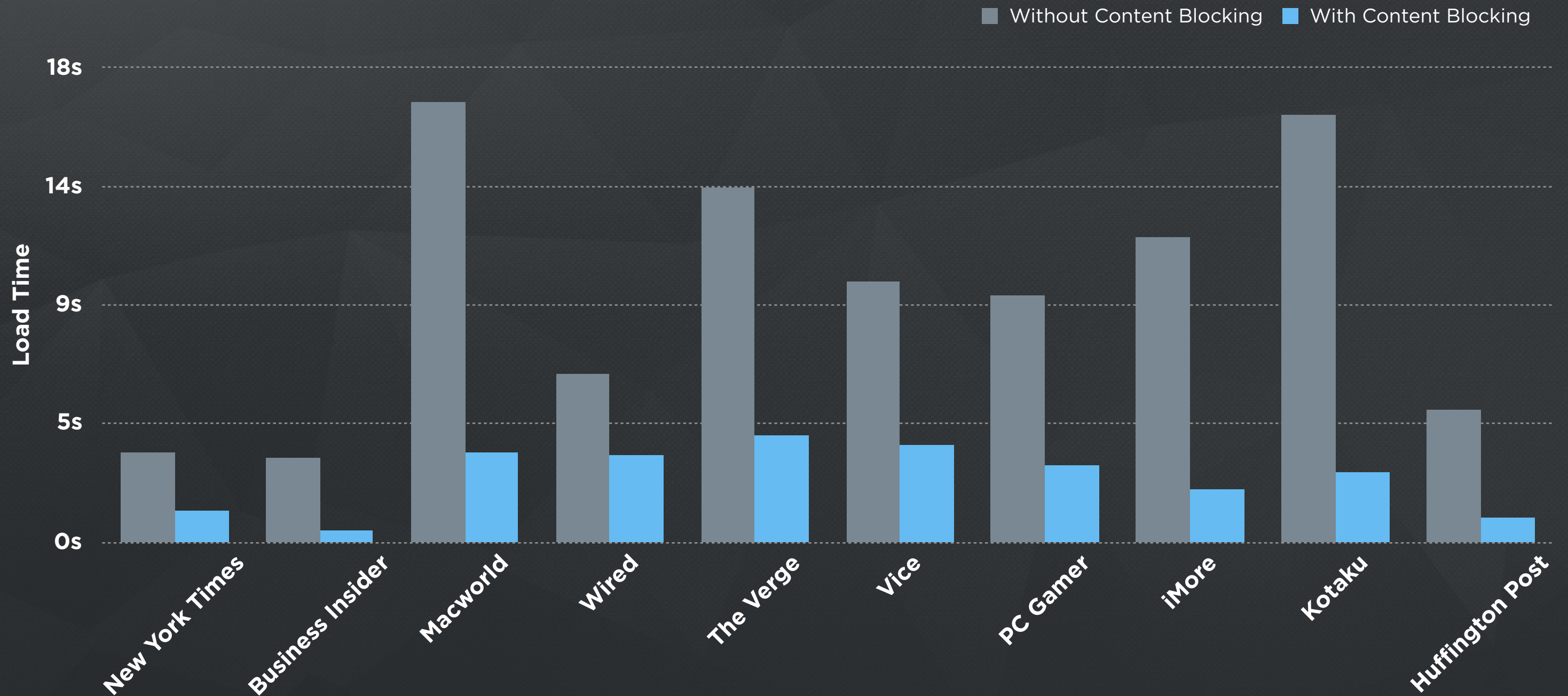
The mobile web sucks

It's going to get worse before it gets better

By **Nilay Patel** on July 20, 2015 11:32 am



Page Load Time In Seconds

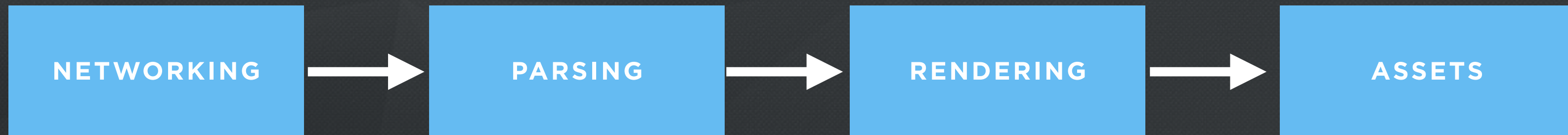


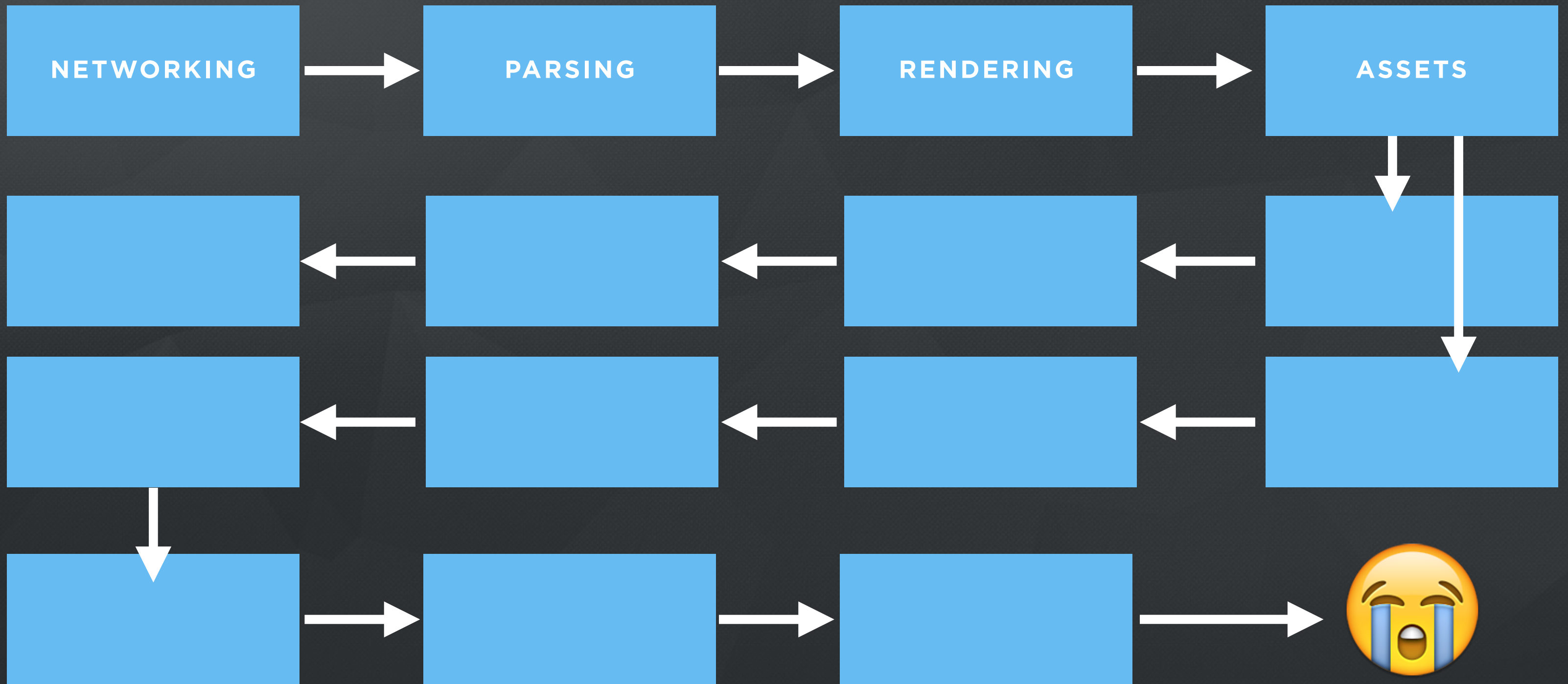
ACCELERATED MOBILE PAGES PROJECT



Source | AMP · <https://ampproject.org>

Be a Model Citizen







Usain St. Leo Bolt ✓

@usainbolt

 Follow

Always fun running the relays #Beijing2015 #RelayVictory
#TeamJamaica

9:42 AM - 29 Aug 2015

  1,792  3,501



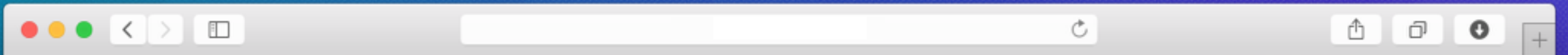
USA TODAY Sports 
@USATODAYsports



 **Follow**

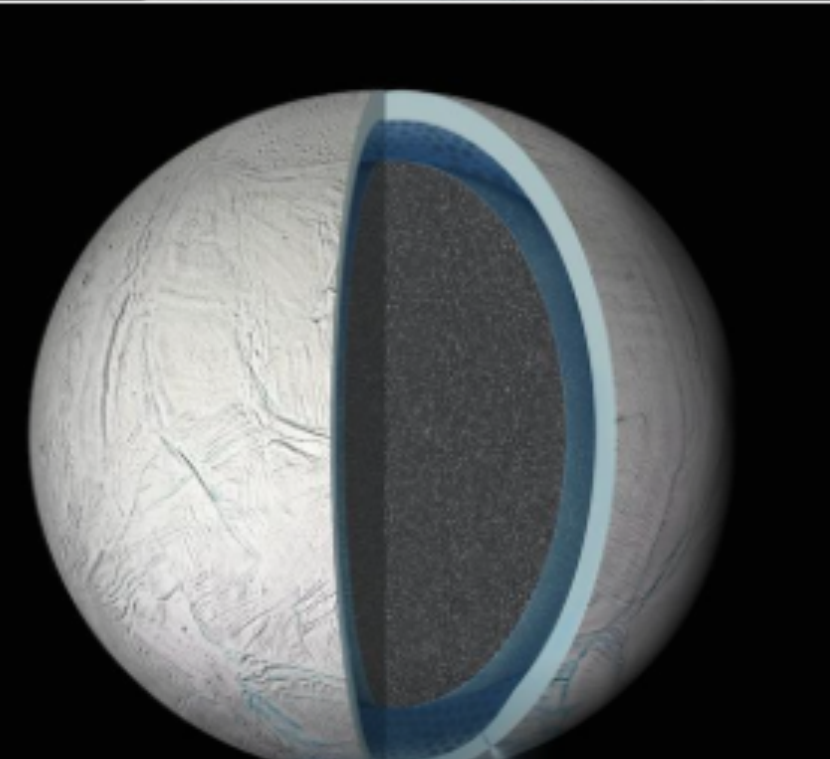
ICYMI: Usain Bolt got taken out by a Segway after his victory:
usat.ly/1EkLk5T



9:07 PM - 27 Aug 2015

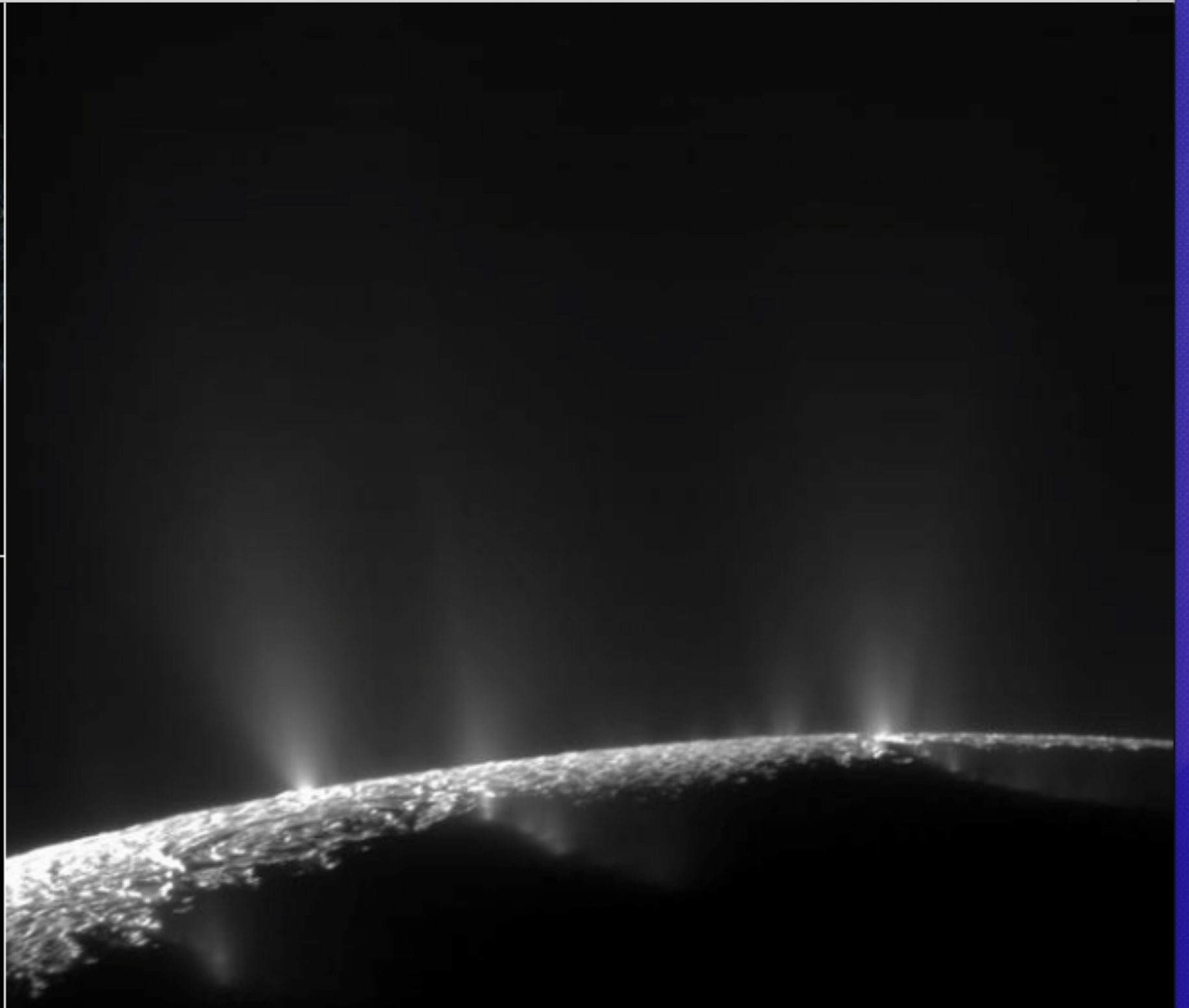
  11  10



 **CassiniSaturn**  @CassiniSaturn
A global ocean lies beneath the icy crust of Satu...



 **CassiniSaturn**  @CassiniSaturn



 **CassiniSaturn**  @CassiniSaturn
A global ocean lies beneath the icy crust of Saturn's moon Enceladus. go.nasa.gov/1eXHpR


```
<a class="twitter-grid" href="https://twitter.com/benward/timelines/12345">  
  A Collection on Twitter  
</a>  
<script async href="https://platform.twitter.com/widgets.js"></script>
```



```
<a class="twitter-grid"  
  A Collection on Twitter  
</a>  
<script
```

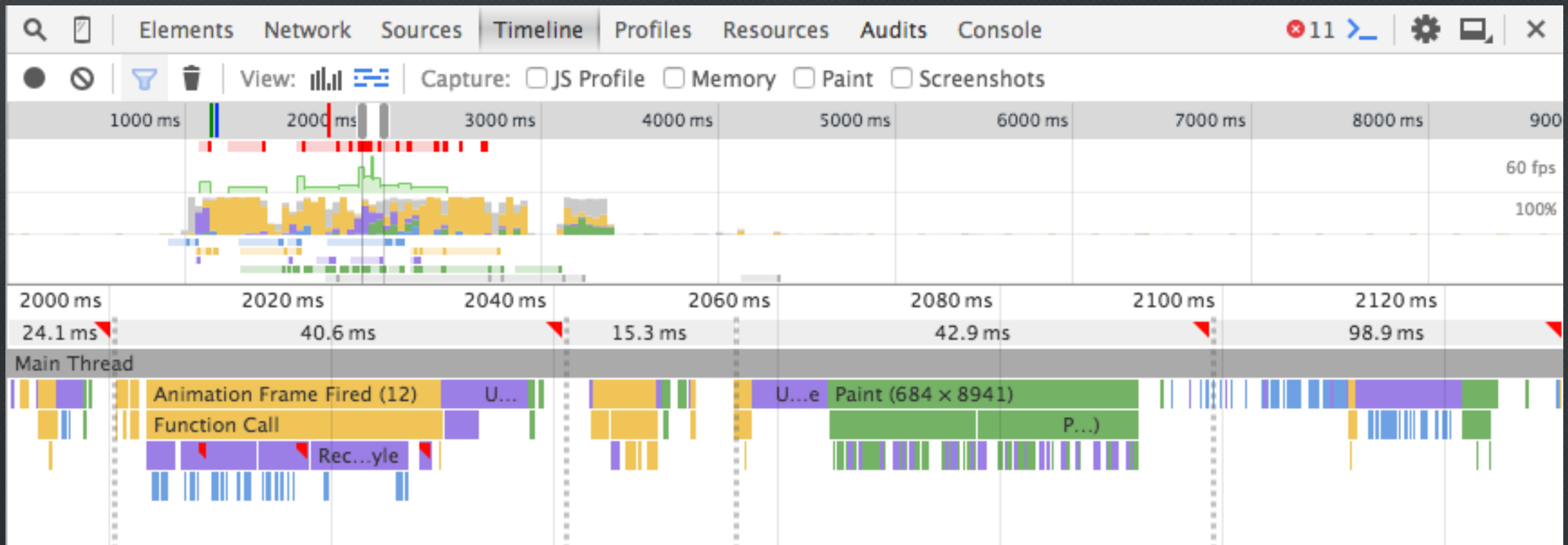


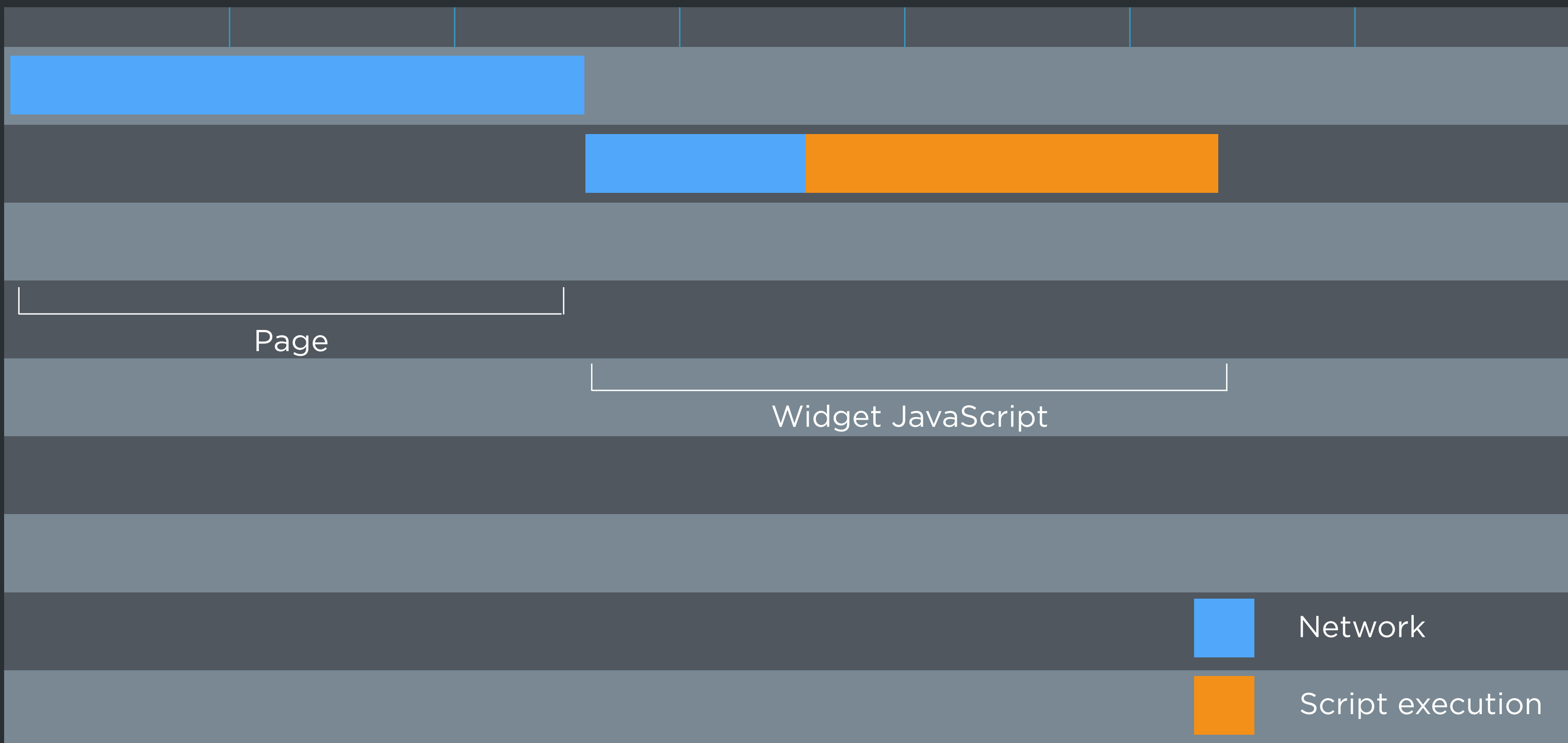
```
<a class=  
  A Collection on Twitter  
</a>  
<script async
```

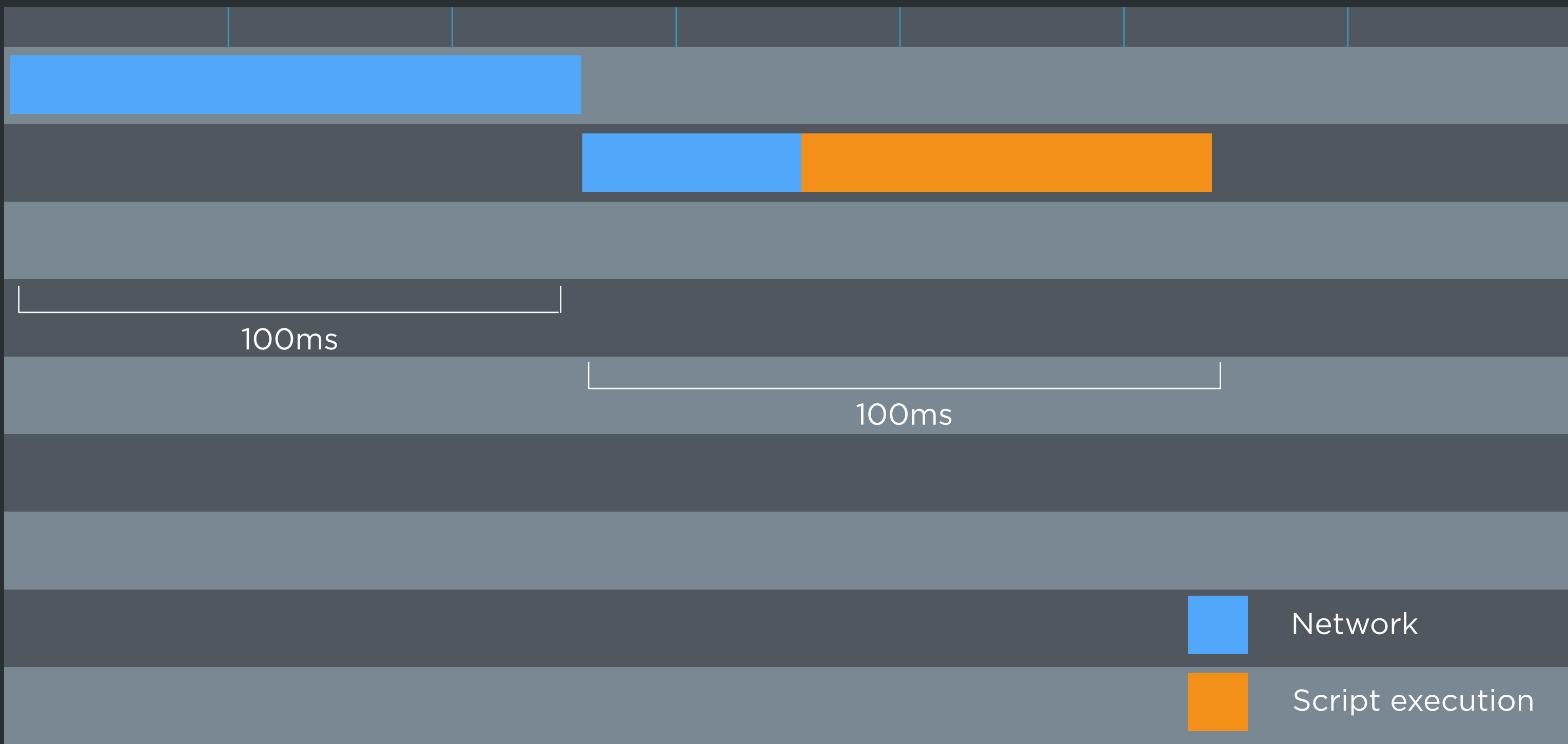


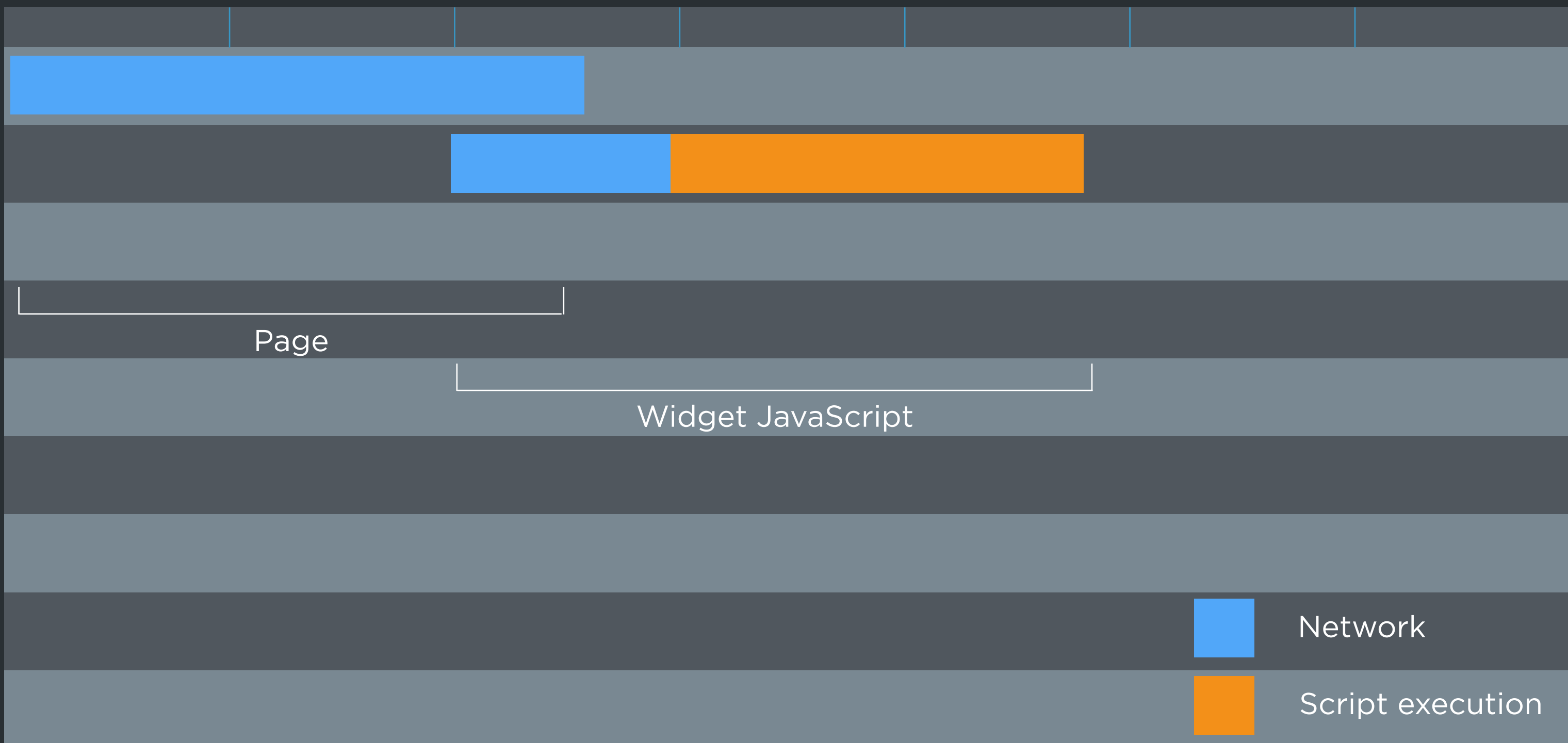
```
<a class=  
  A Collection on Twitter  
</a>  
<script      https://platform.twitter.com/widgets.js
```

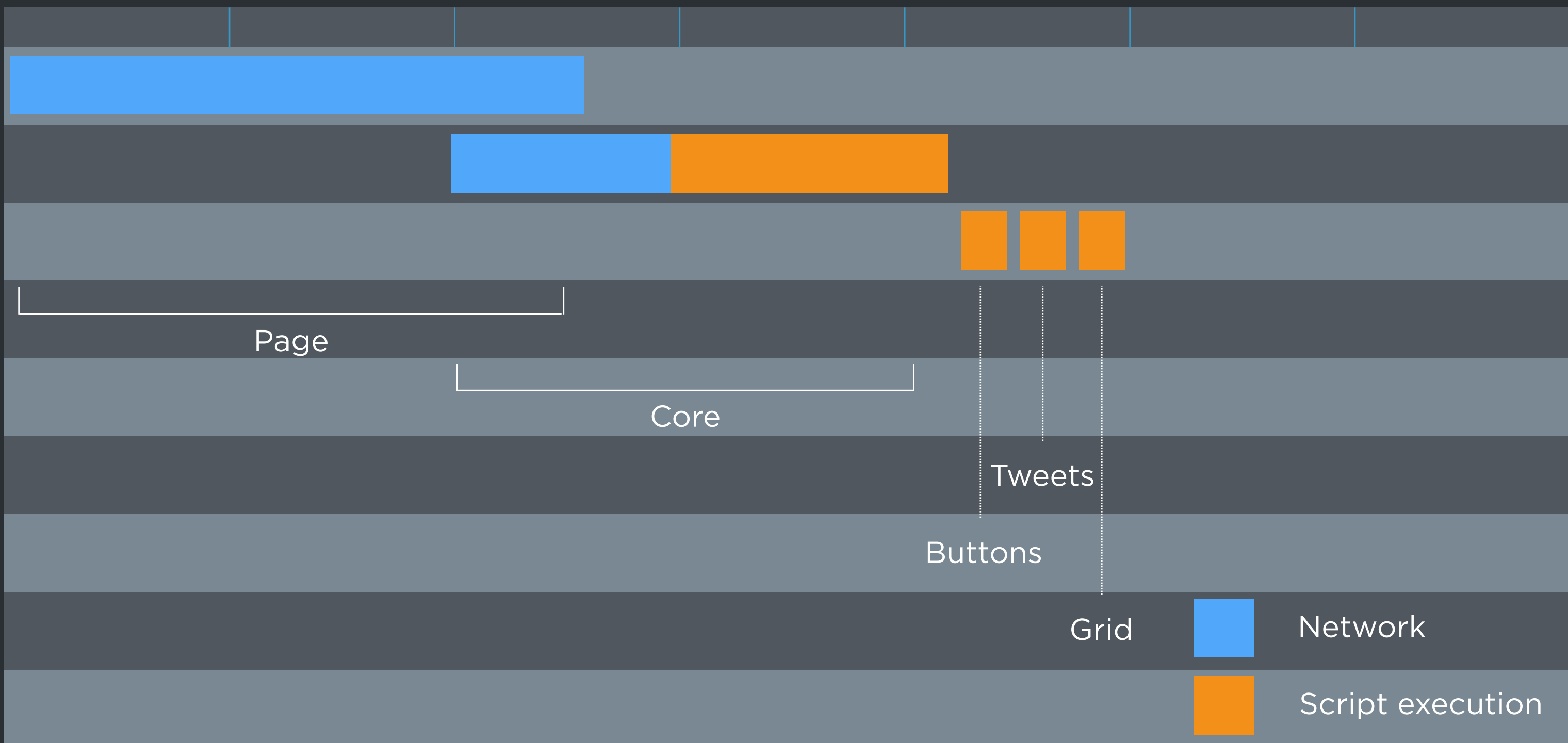


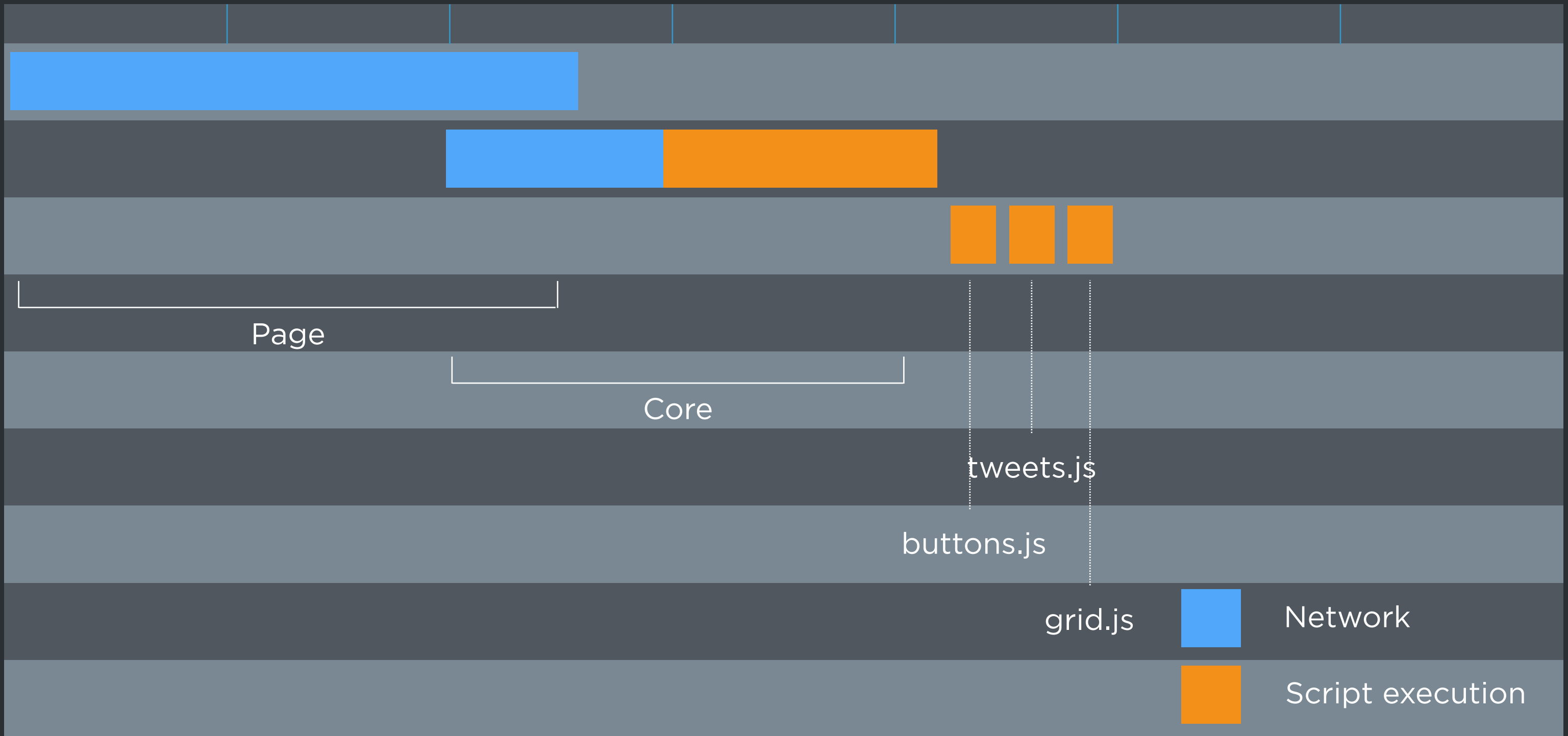



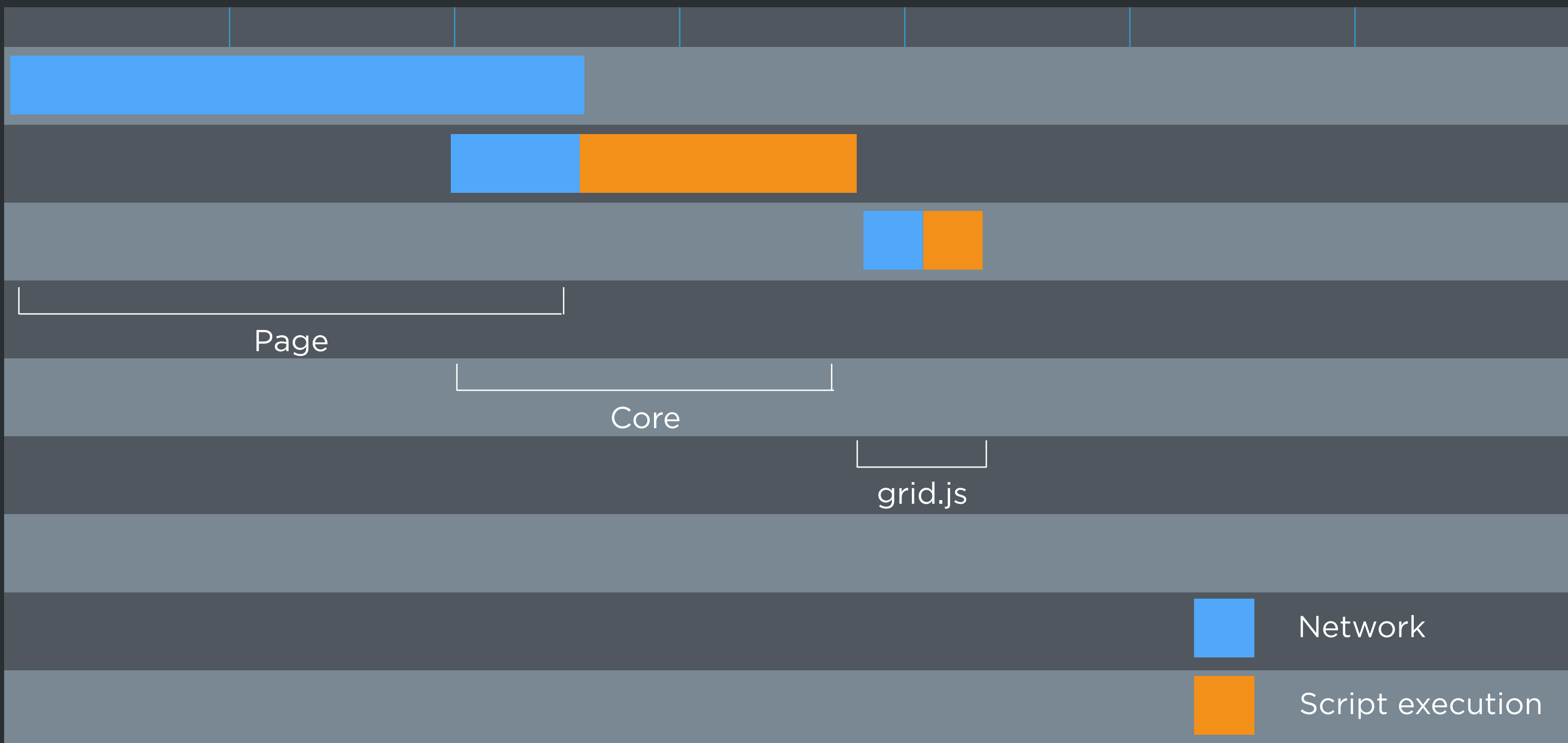


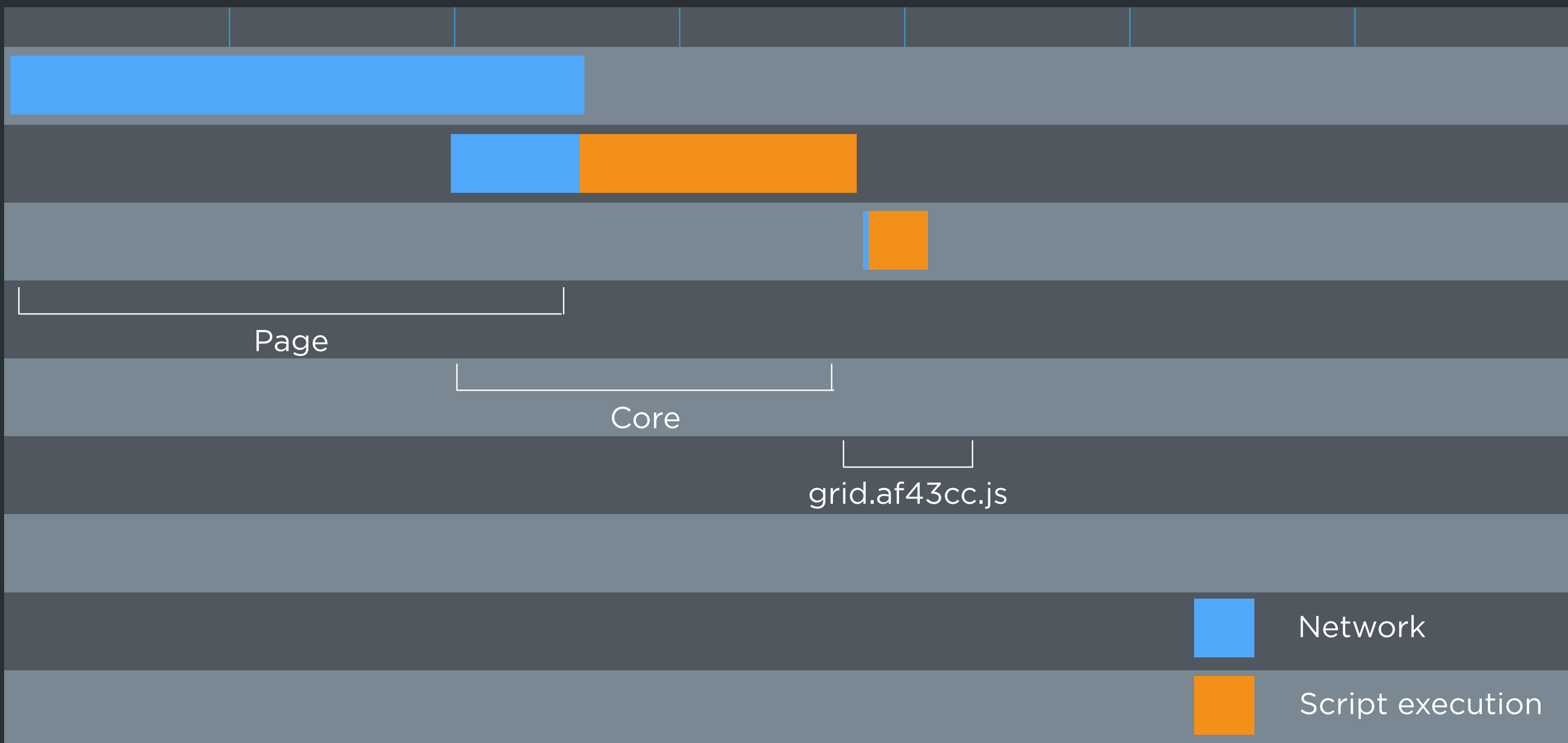


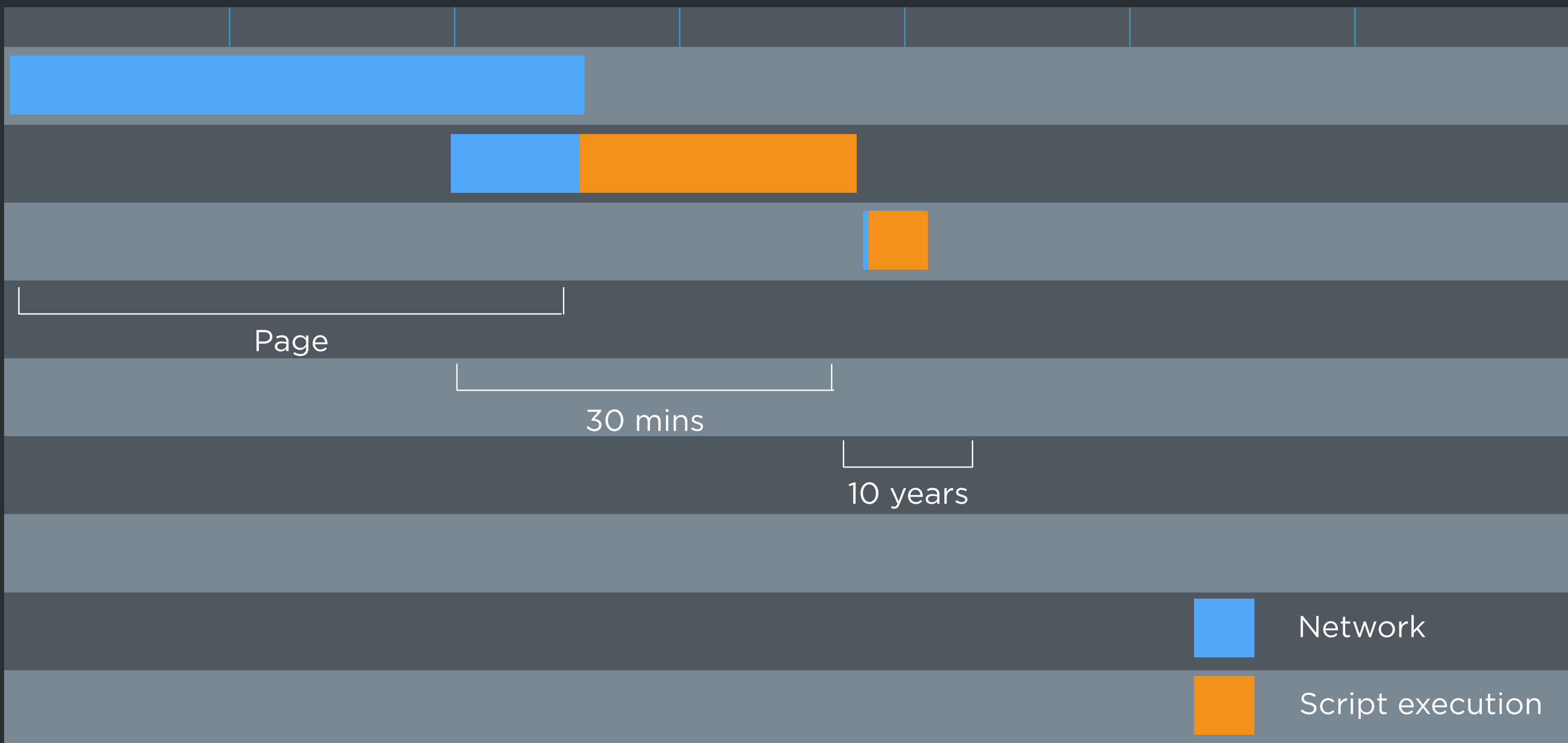


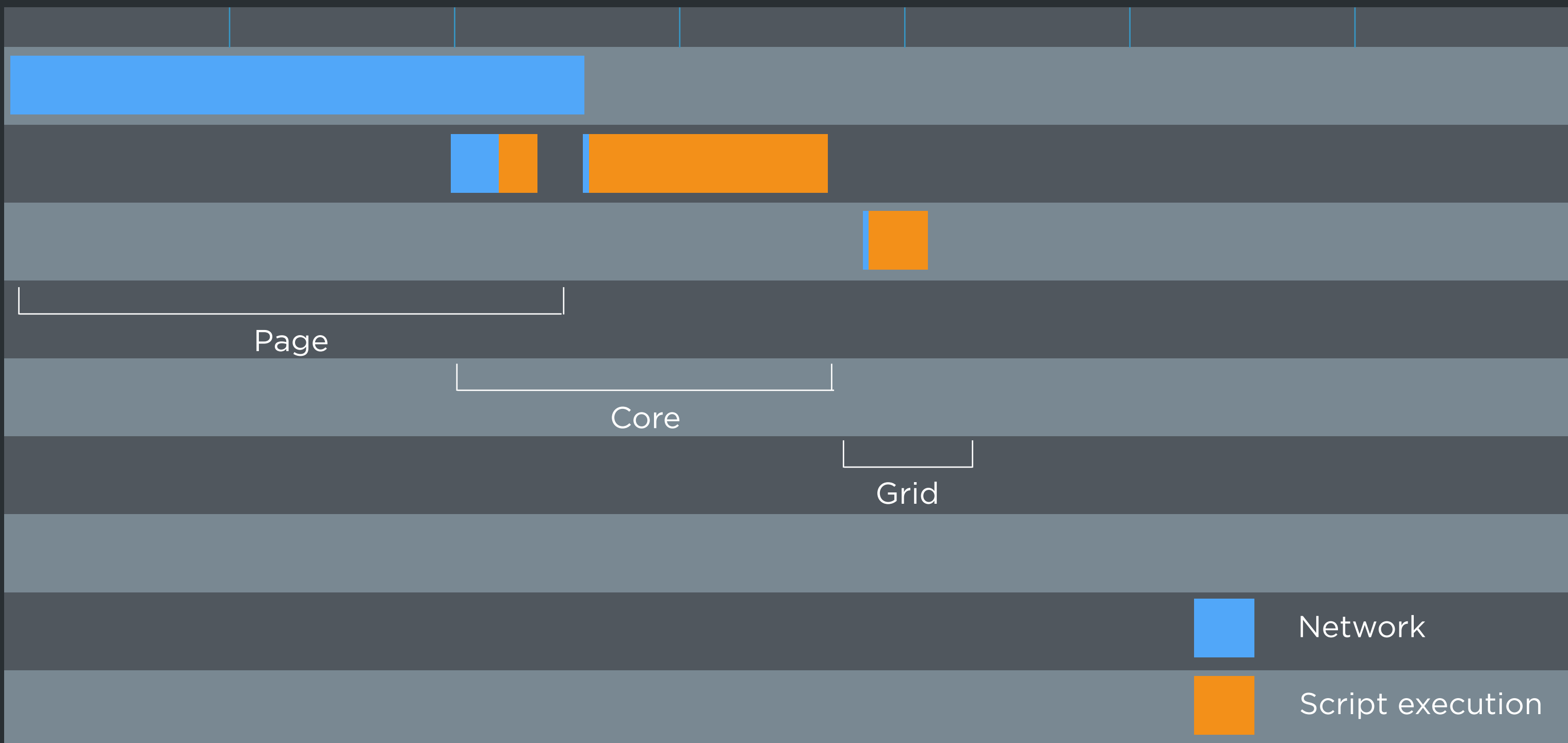


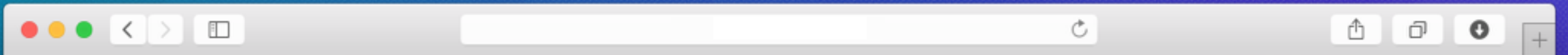




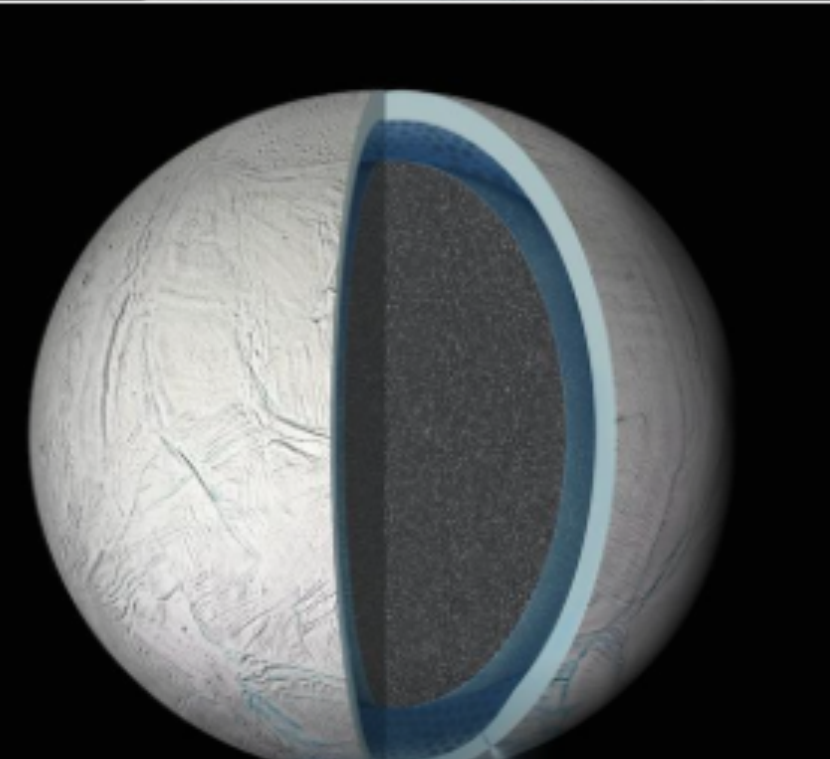




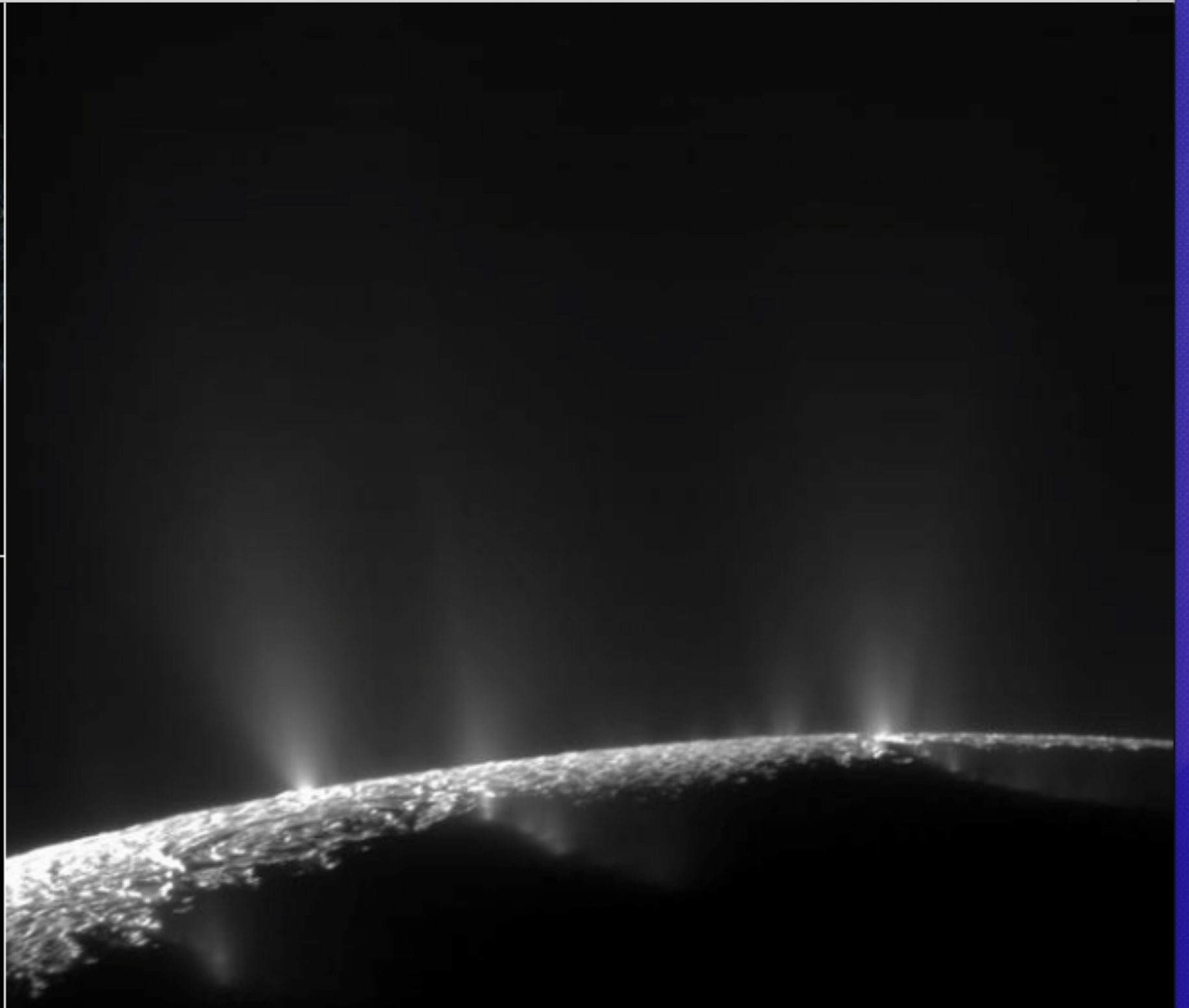




CassiniSaturn @CassiniSaturn
A global ocean lies beneath the icy crust of Satu...



CassiniSaturn @CassiniSaturn



CassiniSaturn @CassiniSaturn
A global ocean lies beneath the icy crust of Saturn's moon Enceladus. go.nasa.gov/1eXHpR


```
var newsContainer = document.querySelector("#news");

twtr.widgets.createCollectionGrid("501449552810225664", newsContainer)

    .then(function (w) {
        fadeIn(newsContainer);
    });
```



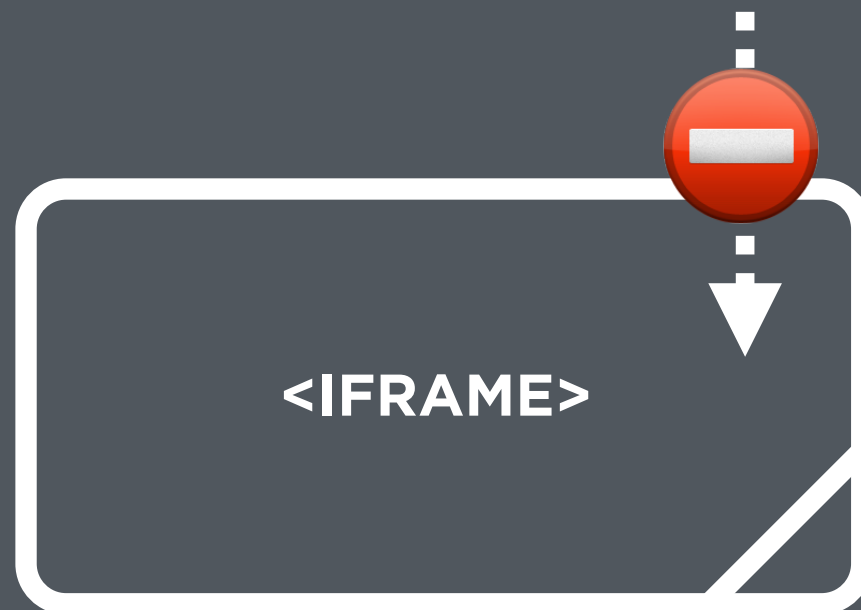
```
var newsContainer = document.querySelector("#news");
```

```
twtr.widgets.createCollectionGrid("501449552810225664", newsContainer)
```



```
.then(function (w) {  
  fadeIn(newsContainer);  
});
```

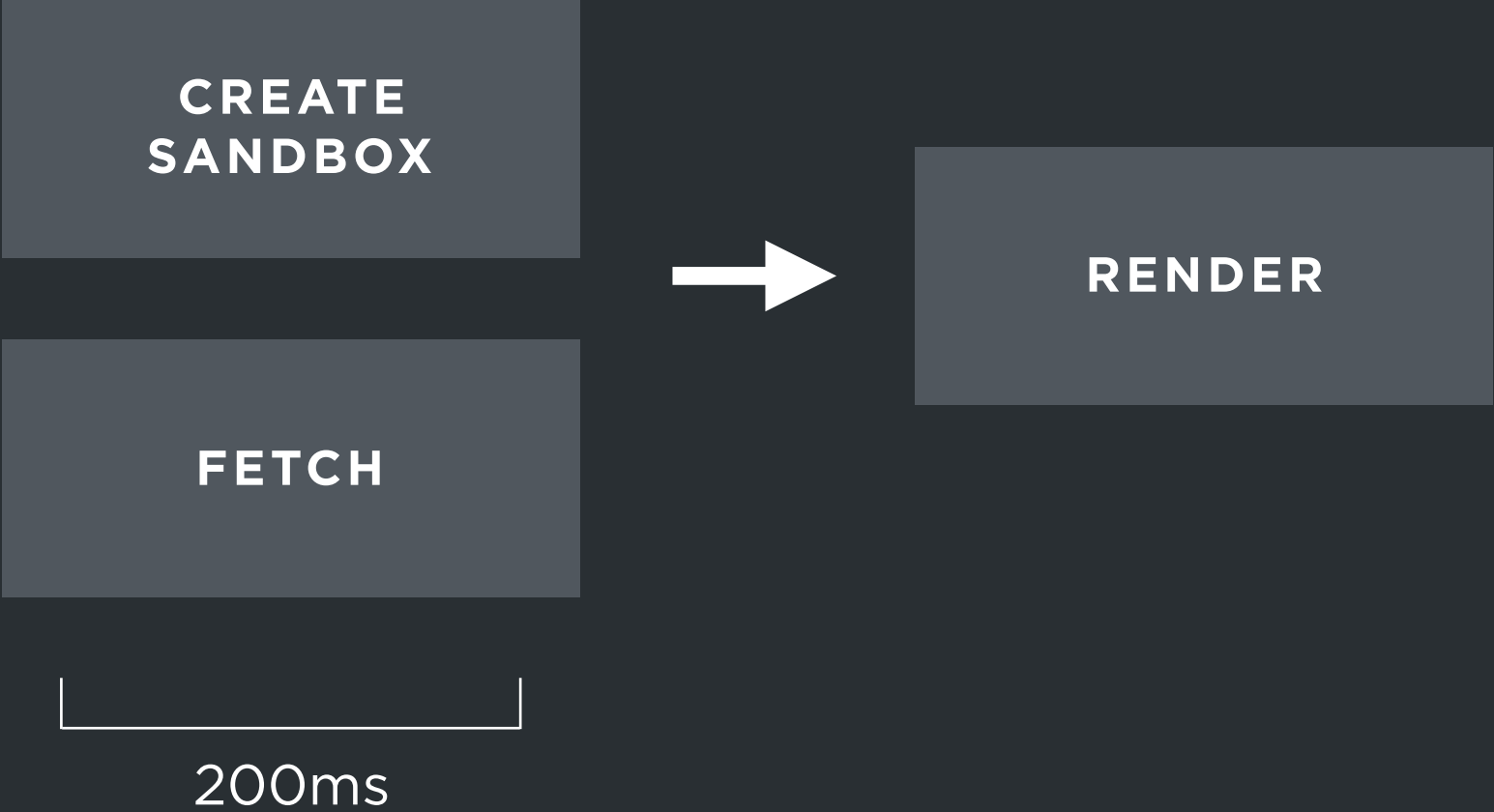

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamc.



Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.







Promise.all(

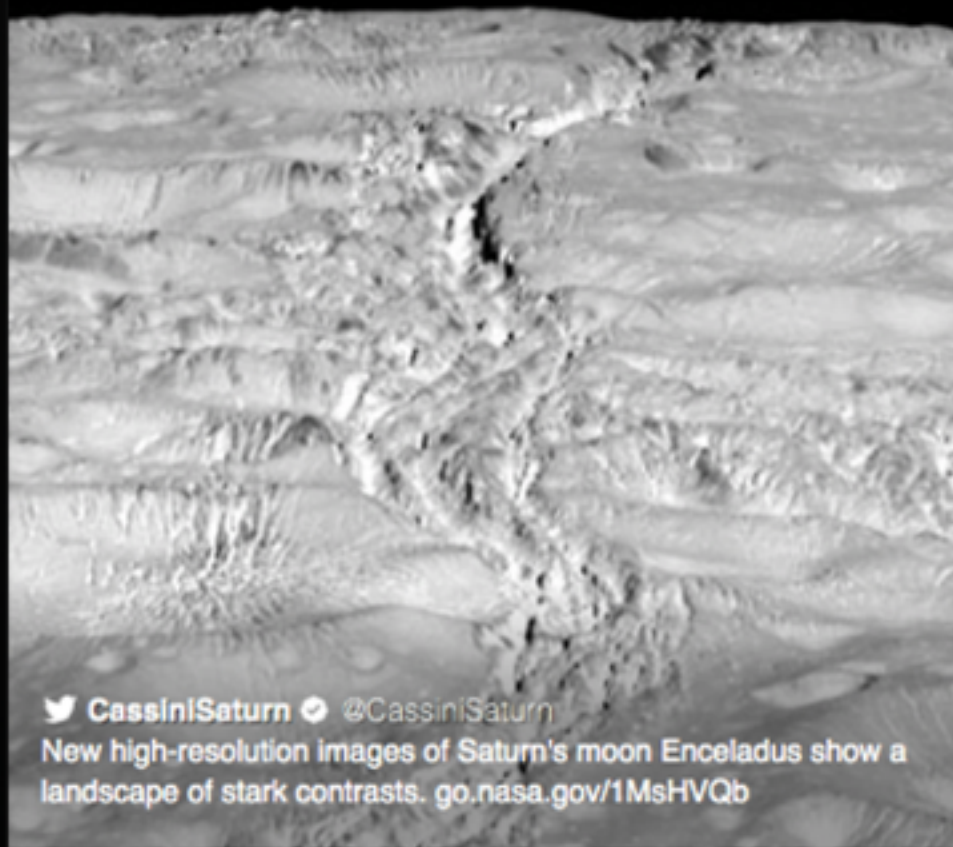
CREATE
SANDBOX

FETCH

)

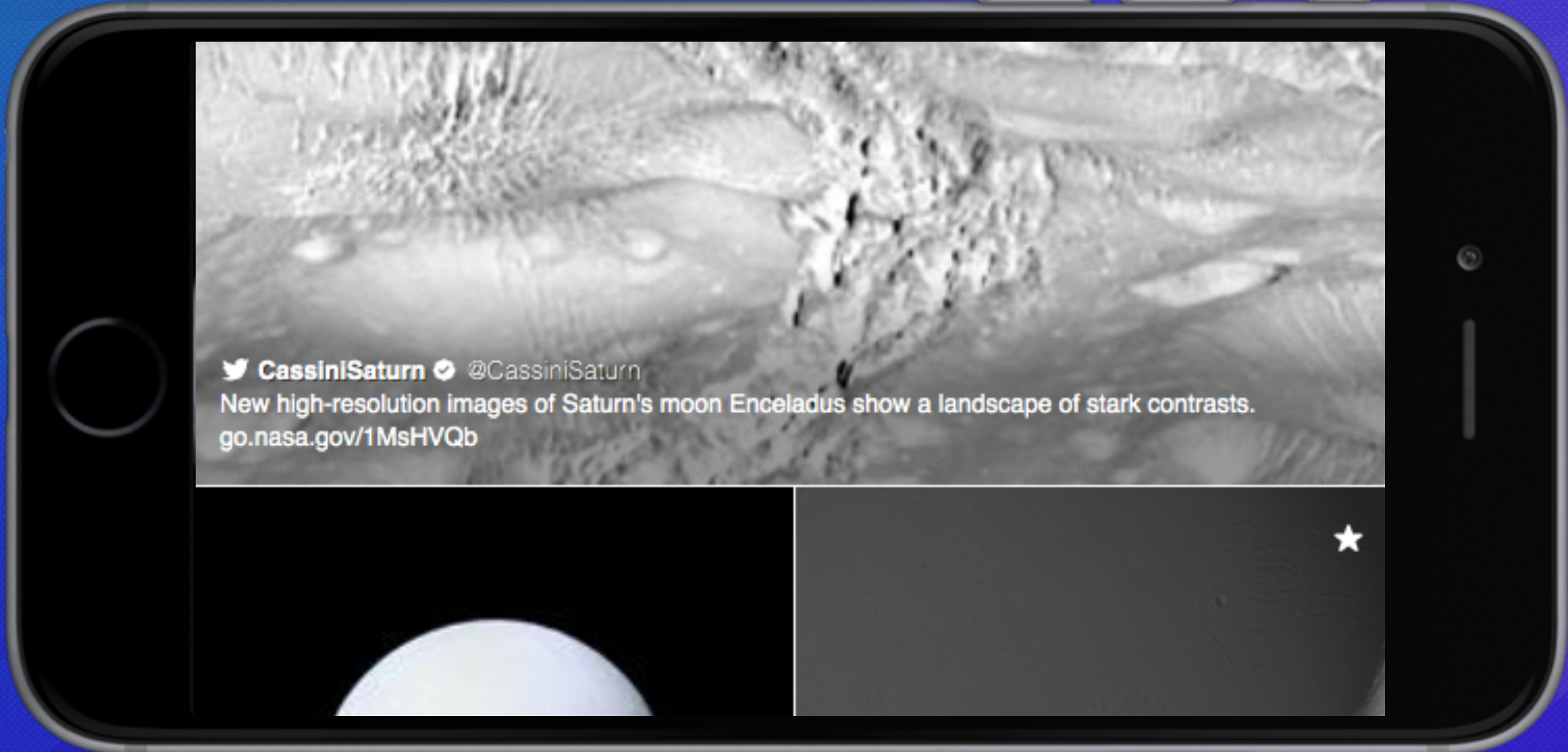



RENDER



🐦 CassiniSaturn 📍 @CassiniSaturn
New high-resolution images of Saturn's moon Enceladus show a landscape of stark contrasts. go.nasa.gov/1MsHVQb





 **CassiniSaturn**  @CassiniSaturn
New high-resolution images of Saturn's moon Enceladus show a landscape of stark contrasts.
go.nasa.gov/1MshVQb


```
twtr.events.bind("resize", function () {  
  
});
```



```
twtr.events.bind("resize", function () {
```



```
});
```



```
twtr.events.bind("resize", function () {
```



```
});
```

```
<a class="MediaCard-mediaAsset NaturalImage"
  href="http://twitter.com/thunderlounging/status/502934636402450433">
  
</a>
```



```
<img data-srcset="https://pbs.twimg.com/123/small.jpg 340w,  
https://pbs.twimg.com/123/medium.jpg 600w,  
https://pbs.twimg.com/123/large.jpg 900w">
```

400PT

×

2.0

=

800PX

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400PX

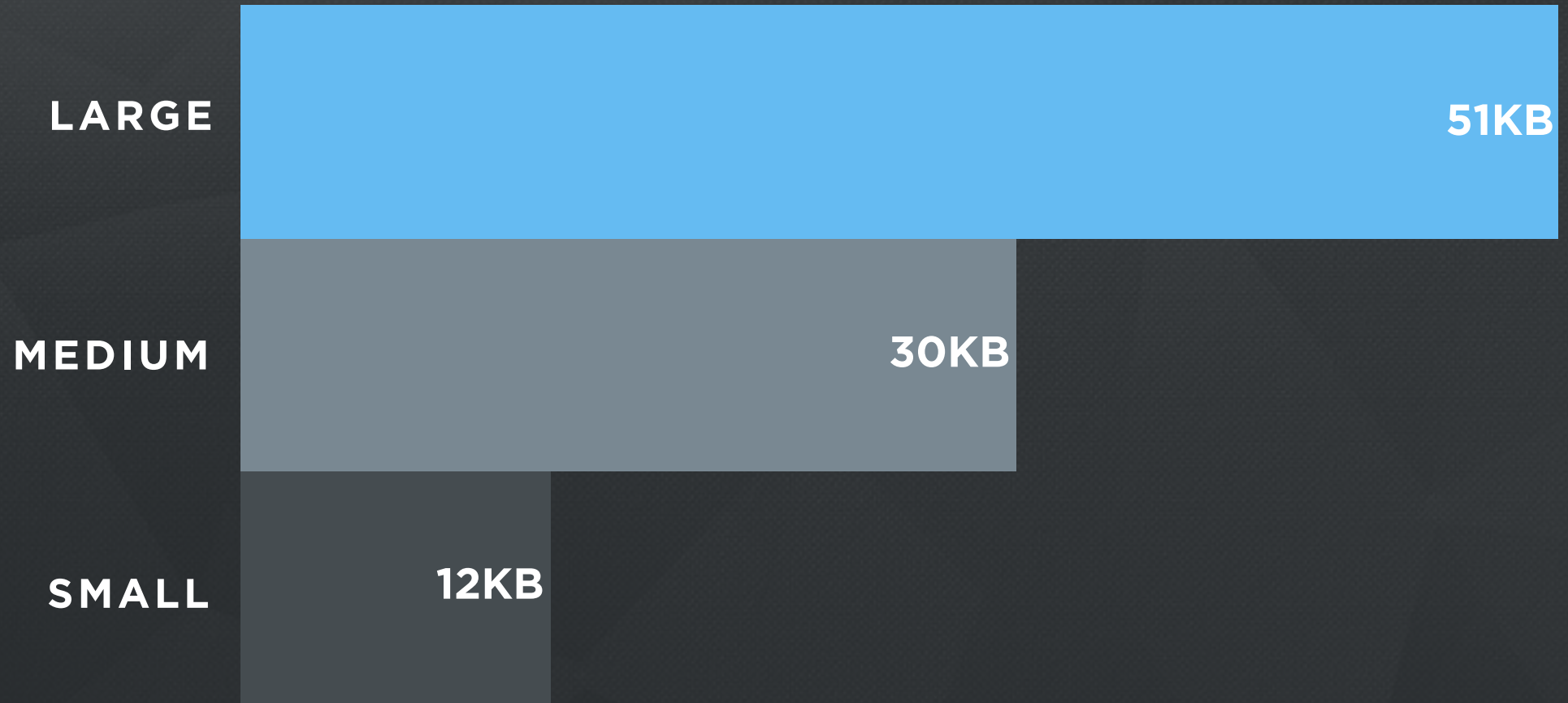
×

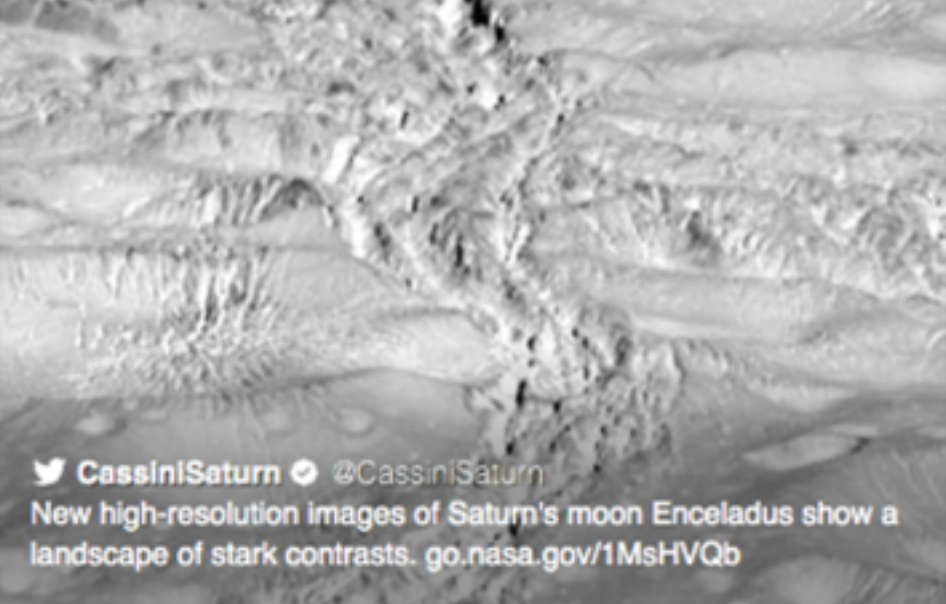
2.0

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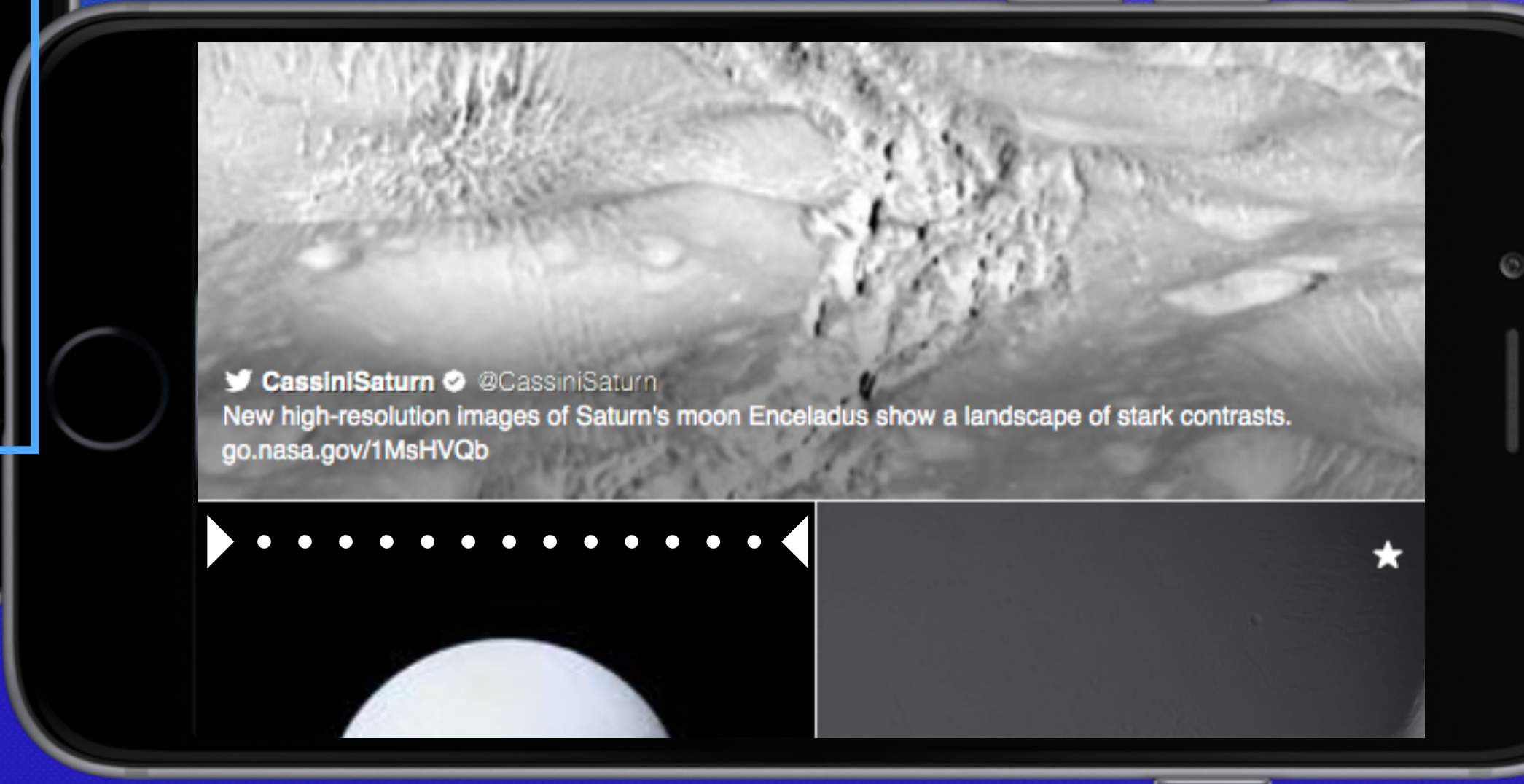
800PX

Image Transfer Size





CassiniSaturn @CassiniSaturn
New high-resolution images of Saturn's moon Enceladus show a landscape of stark contrasts. go.nasa.gov/1MsHVQb



CassiniSaturn @CassiniSaturn
New high-resolution images of Saturn's moon Enceladus show a landscape of stark contrasts. go.nasa.gov/1MsHVQb

11:52 A.M. | Rowhani Declared Winner of Iran's Presidential Election

Iran's interior ministry just declared Hassan Rowhani, a moderate cleric supported by the reformists, the outright winner of the presidential election with a majority of the votes, according to journalists and bloggers in Tehran, including my colleague Thomas Erdbrink, Abas Aslani, the director of Iran's Fars News Agency and Jason Rezaian of The Washington Post.

Thomas Erdbrink @ThomasErdbrink

Follow

State tv reports Rowhani victorious, wins in first round. Crowd on Vali e asr street goes wild

8:54 AM - 15 Jun 2013

74 13

Abas Aslani @abainfo

Follow

#iranelection Rouhani got 50.71 percent of votes

8:52 AM - 15 Jun 2013

6 2

Jason Rezaian @jrezaian

Follow

@HassanRouhani just announced as president on live tv.

#iranelection #iran

8:50 AM - 15 Jun 2013

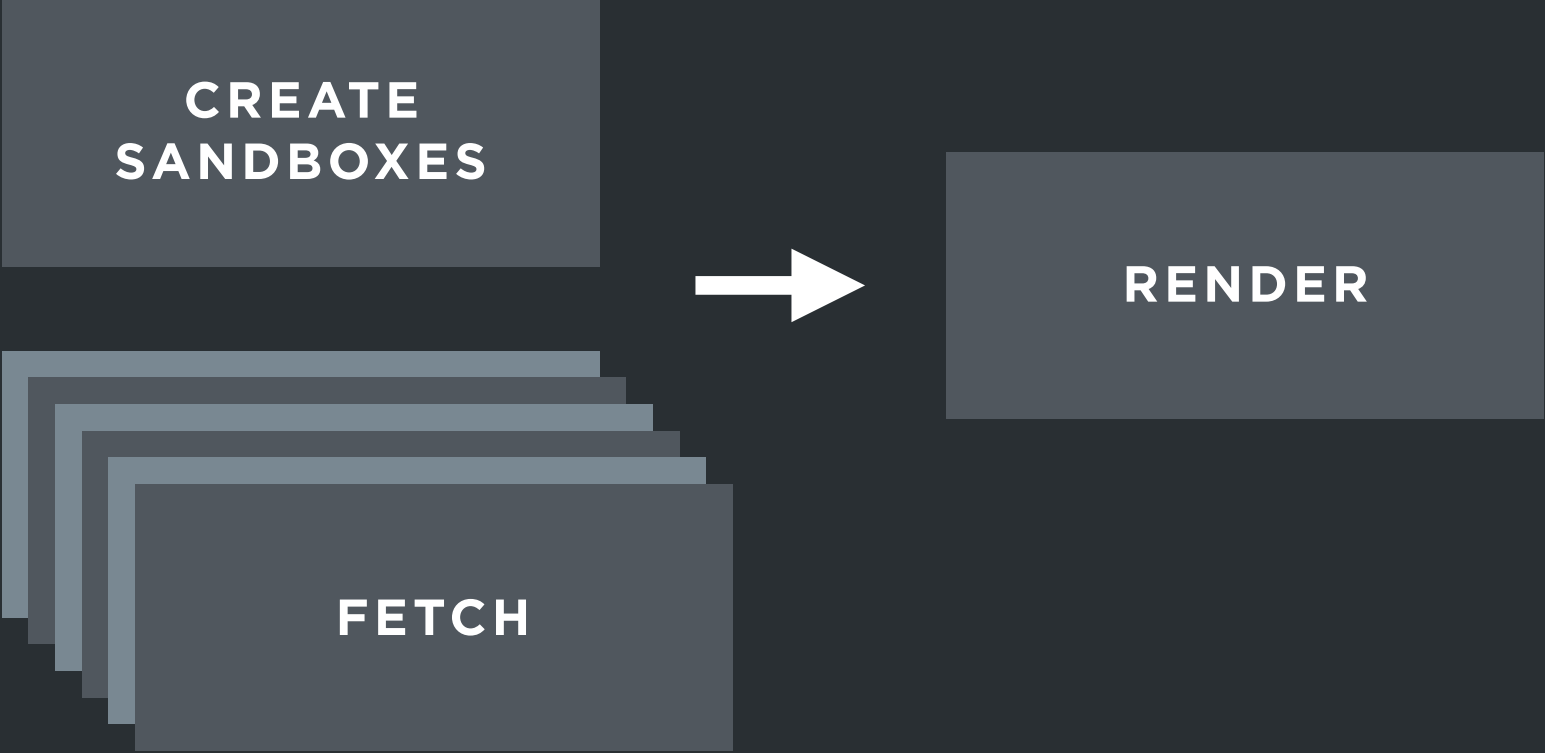


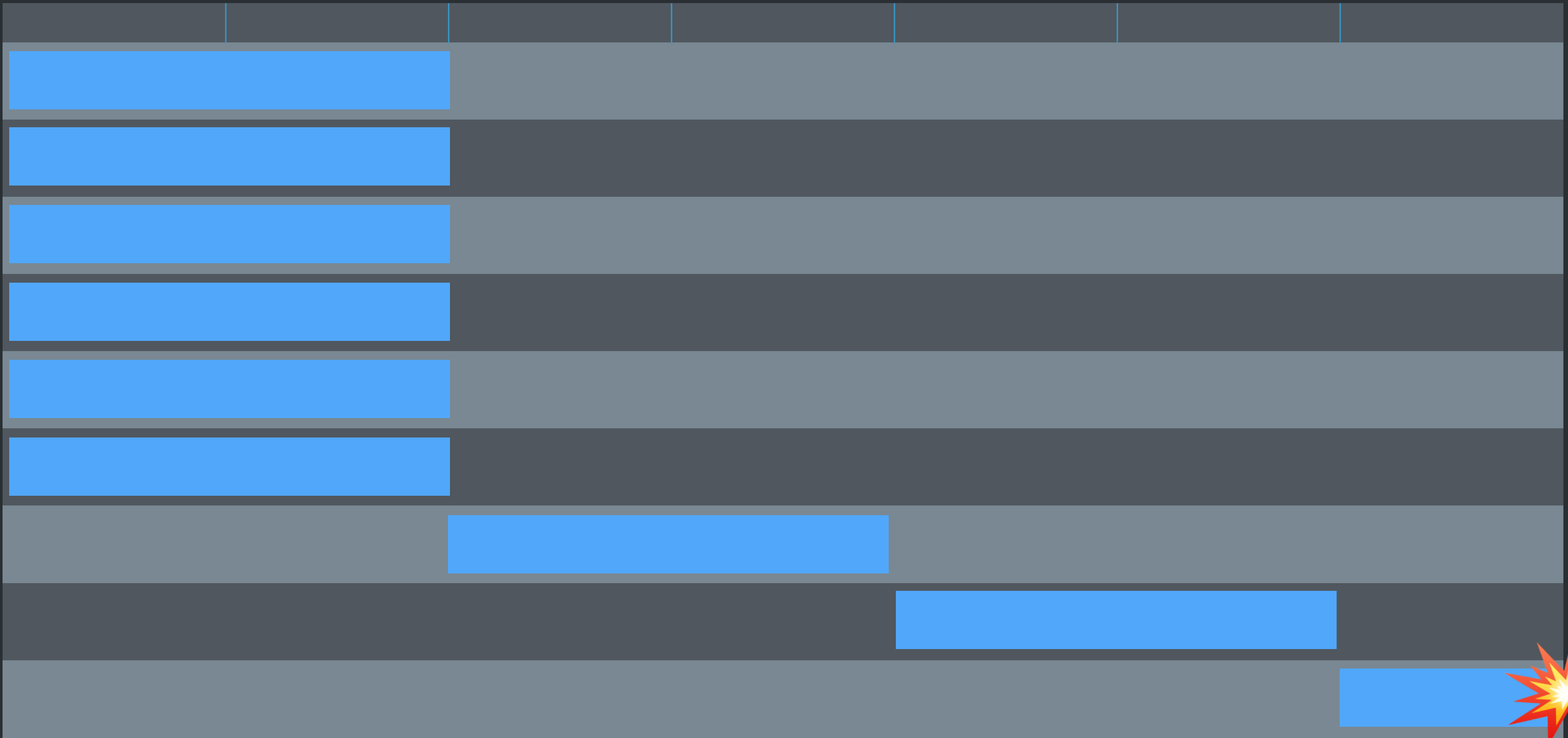
**CREATE
SANDBOXES**

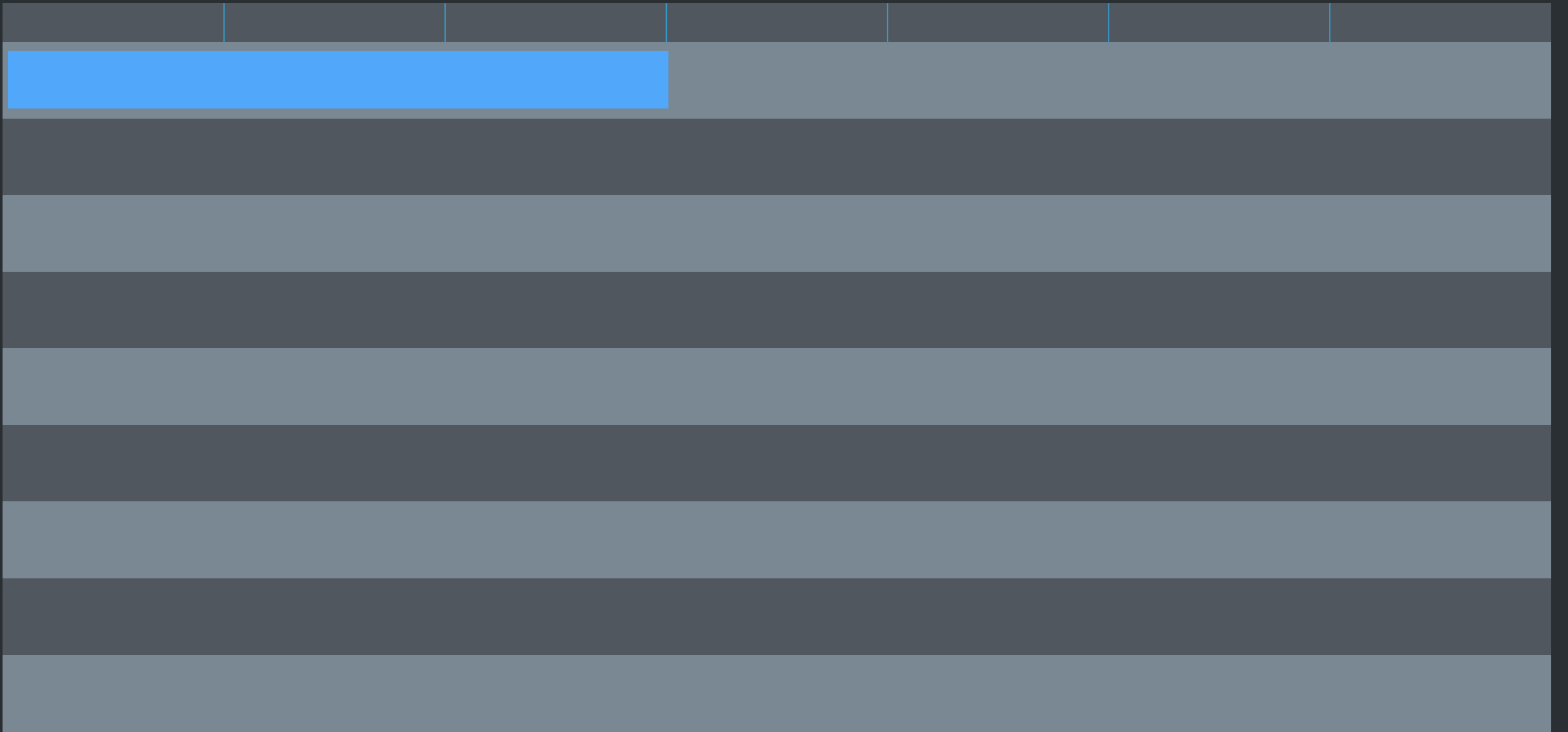
FETCH



RENDER







Tweet Transfer Size - Gzipped

**20 INDIVIDUAL
REQUESTS**

46.66KB

BATCHED

14.329KB

11:52 A.M. | Rowhani Declared Winner of Iran's Presidential Election

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Thomas Erdbrink @ThomasErdbrink

Follow

State tv reports Rowhani victorious, wins in first round. Crowd on Vali e asr street goes wild

8:54 AM - 15 Jun 2013

74 13



Abas Aslani @abasinfo

Follow

#iranelection Rouhani got 50.71 percent of votes

8:52 AM - 15 Jun 2013

6 2



Jason Rezaian @jrezaian

Follow

@HassanRouhani just announced as president on live tv.

#iranelection #iran

8:50 AM - 15 Jun 2013



```
> document.querySelectorAll(".twitter-tweet").length  
< 168
```



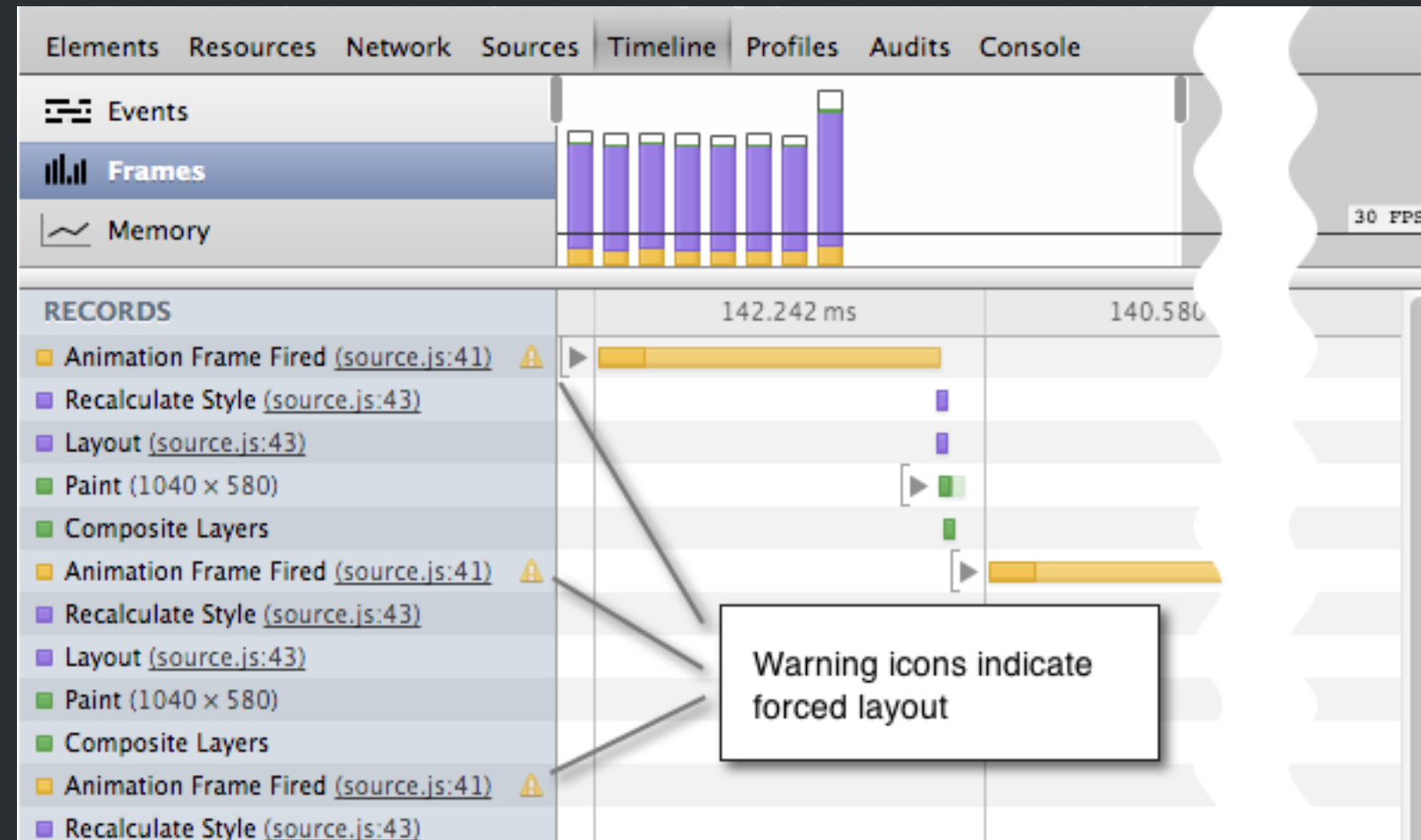
```
> document.querySelectorAll( ".twitter-tweet" ).length  
< 168  
> window.navigator.areYouOK( )  
< [😬, 😞, 😫]
```

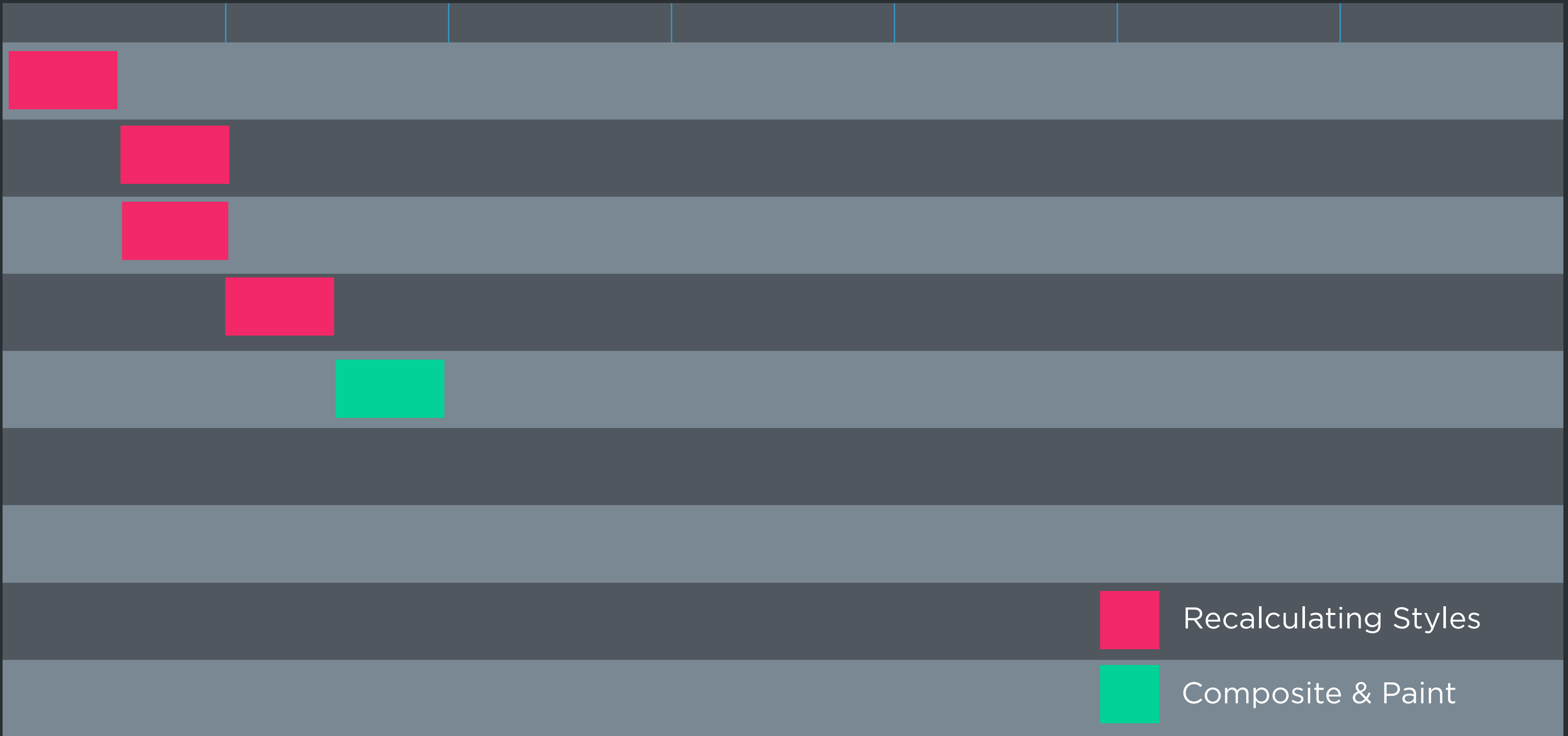
**CREATE
SANDBOXES**

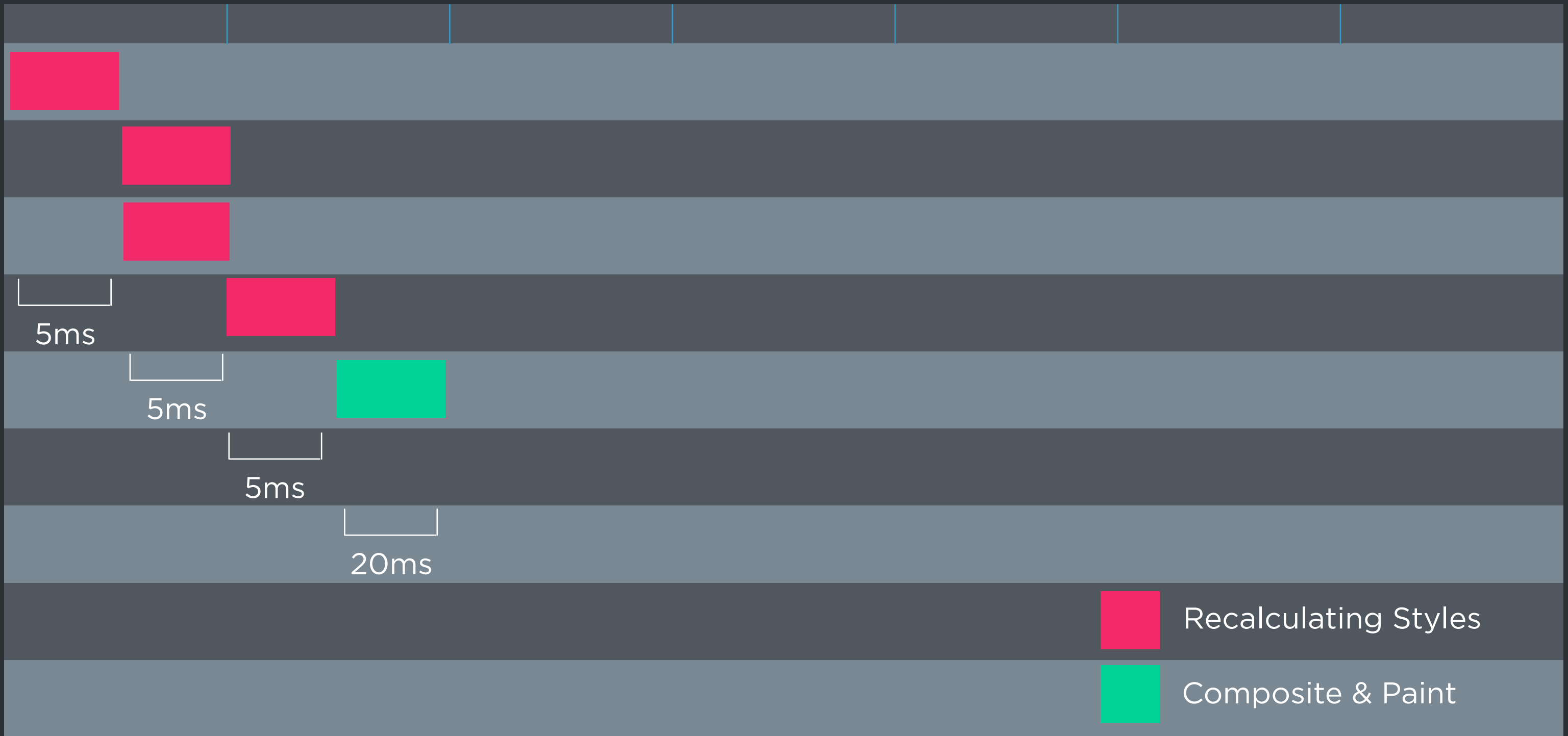
FETCH

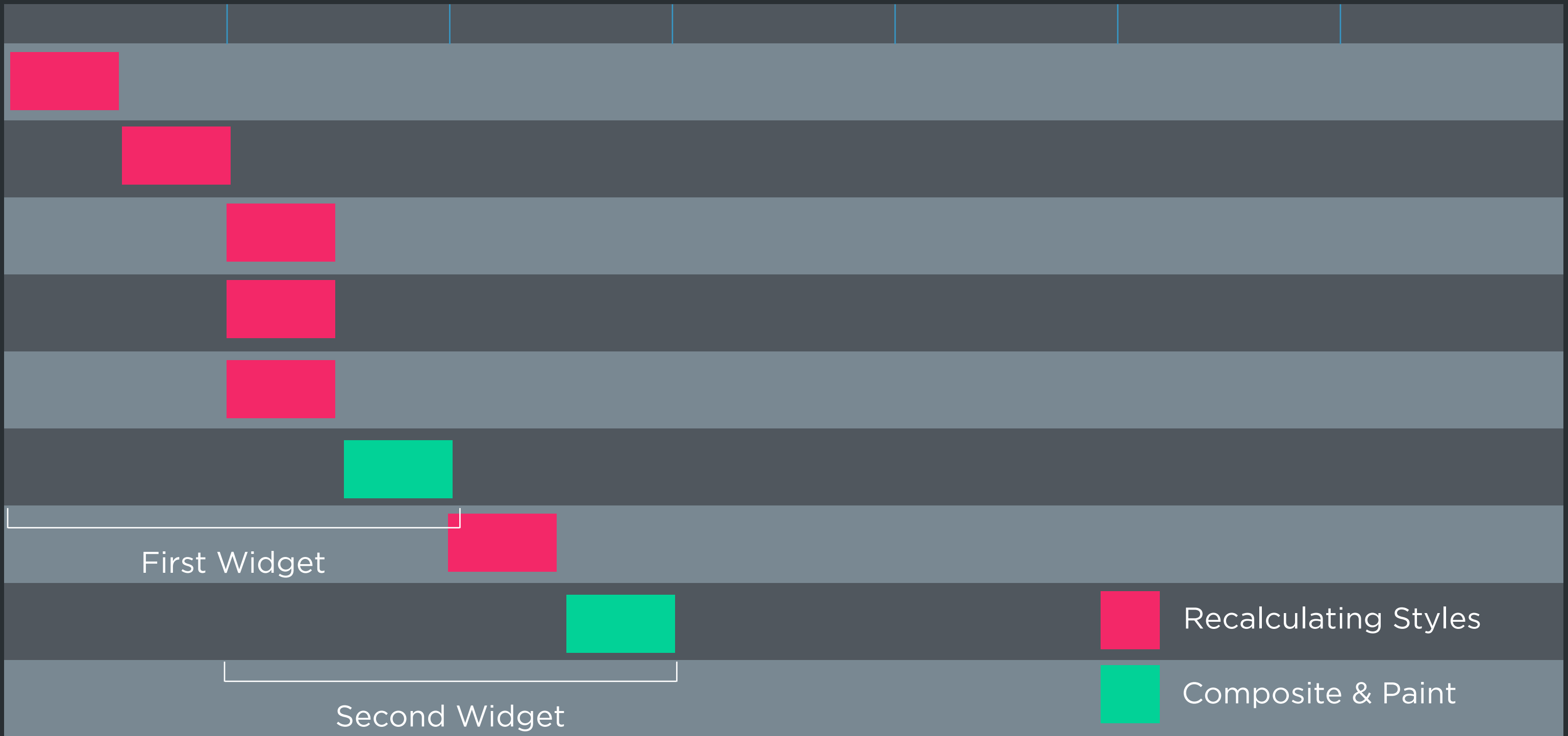


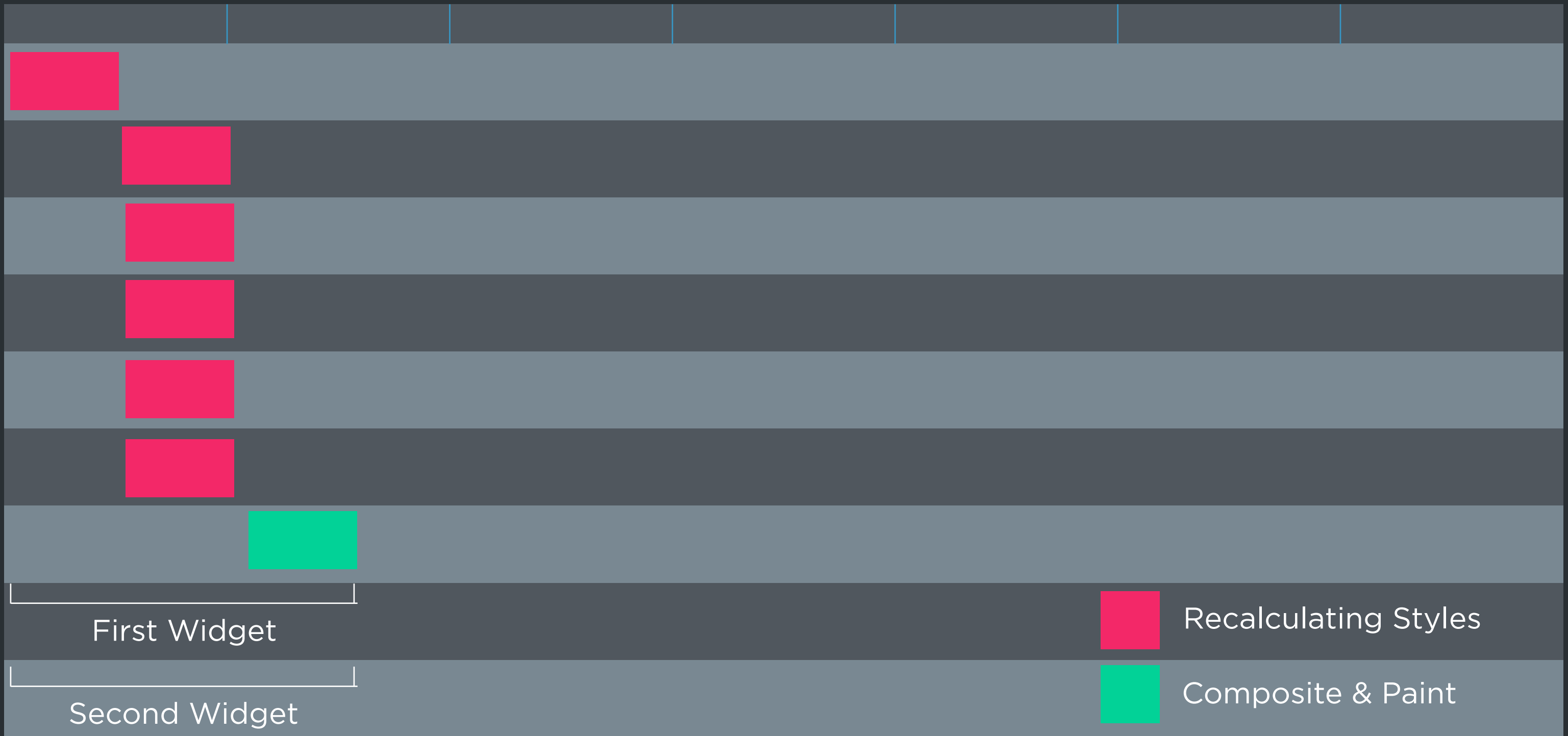
RENDER











```
firstWidget.height = firstWidget.content.offsetHeight;  
secondWidget.height = secondWidget.content.offsetHeight;  
thirdWidget.height = thirdWidget.content.offsetHeight;  
fourthWidget.height = fourthWidget.content.offsetHeight;
```




```
firstWidget.height = firstWidget.content.offsetHeight;  
secondWidget.height = secondWidget.content.offsetHeight;  
thirdWidget.height = thirdWidget.content.offsetHeight;  
fourthWidget.height = fourthWidget.content.offsetHeight;
```

```
var firstHeight = firstWidget.content.offsetHeight;  
var secondHeight = secondWidget.content.offsetHeight;  
var thirdHeight = thirdWidget.content.offsetHeight;  
var fourthHeight = fourthWidget.content.offsetHeight;
```

```
firstWidget.height = firstHeight;  
secondWidget.height = secondHeight;  
thirdWidget.height = thirdHeight;  
fourthWidget.height = fourthHeight;
```



```
var firstHeight =  firstWidget.content.offsetHeight;  
var secondHeight = secondWidget.content.offsetHeight;  
var thirdHeight = thirdWidget.content.offsetHeight;  
var fourthHeight = fourthWidget.content.offsetHeight;
```

```
firstWidget.height = firstHeight;  
secondWidget.height = secondHeight;  
thirdWidget.height = thirdHeight;  
fourthWidget.height = fourthHeight;
```

**CREATE
SANDBOXES**

FETCH



RENDER

**CREATE
SANDBOXES**

FETCH



**CREATE
SANDBOXES**

FETCH



fastdom.js

Controlling Rendering


```
<meta name="twitter:widgets:autoload" content="off">
```



```
<meta name="twitter:widgets:autoload" content="#social-buttons,#footer">
```

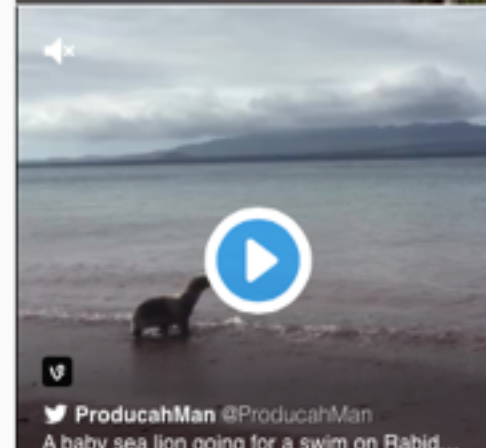
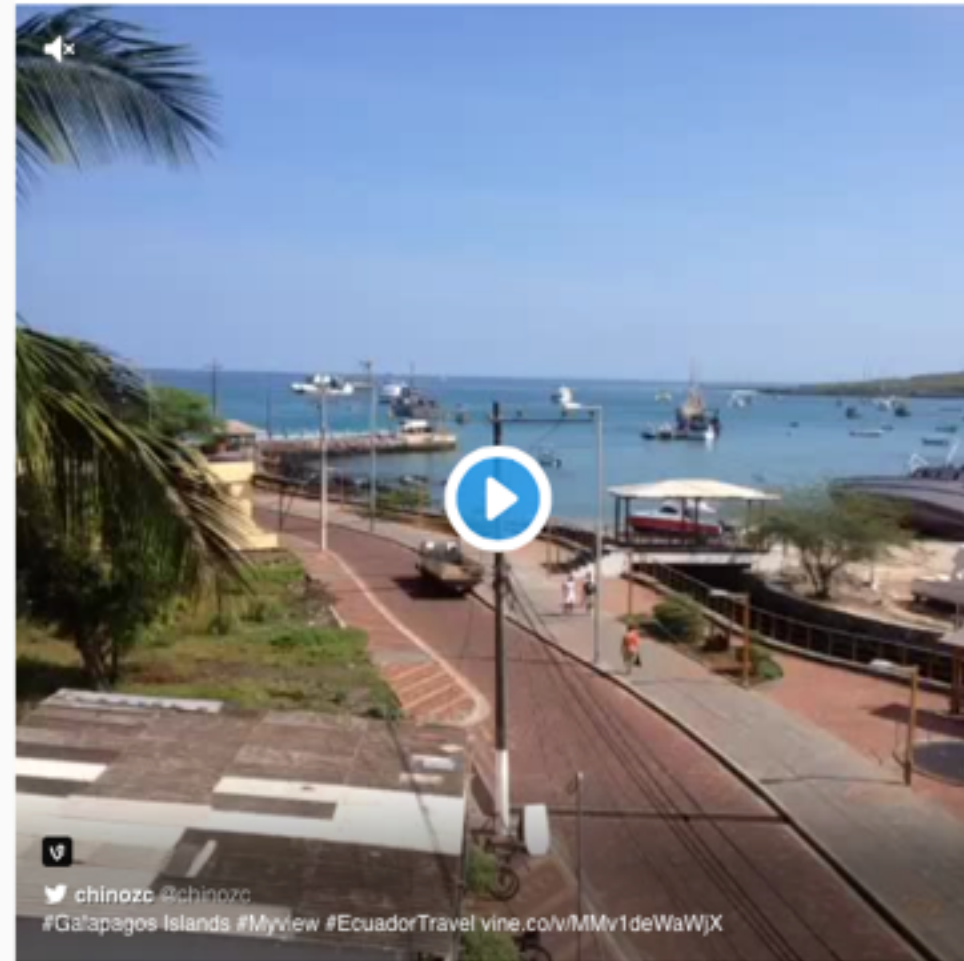
```
var updates = document.querySelectorAll(".live-blog-update")  
twtr.widgets.load(updates);
```


Explore the Galapagos Islands

This #TravelTuesday, embrace the tropical vibes and diverse wildlife of the Pacific archipelago.

Tourist for a Day

- f 25
- t 119
- in 20
- 4



#ICantBreathe: Twitter Reactions to No Indictment Decision in Eric Garner Death

ARTICLE COMMENTS (1)

ERIC GARNER GRAND JURY DECISION NYPD PROTESTS STATEN ISLAND

Email Print Facebook Twitter

By ELANA ZAK

Eric Garner. #ICantBreathe. #BlackLivesMatter. #WeHearYou. These were some of the words and hashtags that started trending on Twitter TWTR +1.12% after a grand jury declined to indict a police officer in the death of Eric Garner.

Garner died in July after being restrained in an alleged police chokehold. The white officer, Daniel Pantaleo, was seen in a widely circulated video recording of the July 17 encounter with his arm wrapped around Mr. Garner's neck as Mr. Garner, an African American, cried "I can't breathe."

Below is a sample of what was tweeted.

"Eric Garner" started trending on Twitter worldwide after the [grand jury's decision](#) came in.

 **Antonio French** ✓
@AntonioFrench Follow

This must end. We cannot continue to have an entire group of Americans who can be killed without consequence or legal recourse. #EricGarner

11:44 AM - 3 Dec 2014

8,619 6,337

 **Shaun King** ✓
@ShaunKing Follow

Not hyperbole.

The ONLY way the murder of Eric Garner is justified is because he is not truly valued as fully human.

PREVIOUS
Poll: Should Horse-Drawn Carriages Be Banned?

NEXT
New York City Police Arrest At Least 83 People During Eric Garner Protests

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A blog of reporting and news from New York City. Metropolis is produced by Carrie Melago and Sarah Crichton with contributions from the Wall Street Journal staff. Send tips and comments to metropolis@wsj.com.




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Twitter Facebook Email Comment

2 Here's What Happened to Jim Webb's 'Enemy' in Vietnam 

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3 Bernie Sanders Makes Big Twitter Purchase United States Trends - Change

#DebateWithBernie
Promoted by Bernie Sanders
#DemDebate
@MADCameronDebateOnSnapchat
Tony Cruz
#HeartDemLuvato

Twitter Facebook Email Comment

4 Why Companies Have Stopped Outsourcing IT 

Twitter Facebook Email Comment

5 The Indian Engineers Who Sued Apple and Won 

Twitter Facebook Email Comment

Show 5 More



Everyone had to name the biggest national security threat:

 **Miriam Elder** 
@MiriamElder

 Follow

Biggest nat sec threat:
Chaffee — MidEast chaos
O'Malley — Iran
Clinton — nukes
Sanders — climate change
Webb — China/cyber
6:41 PM - 13 Oct 2015
  282  190

Posted at 6:44 p.m., Oct. 13



Here's what Bill Clinton is up to tonight:



 **Bill Clinton** 
@billclinton

 Follow

What happens in Vegas...is I watch @HillaryClinton prove she's the most qualified candidate for POTUS. #ImWithHer
6:11 PM - 13 Oct 2015

South Carolina Flooding

South Carolina is recovering from a historic flood event

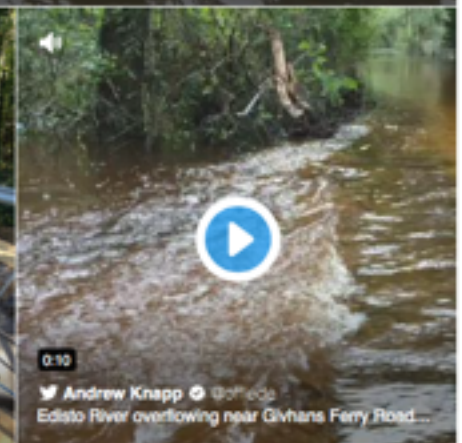
Mashable News



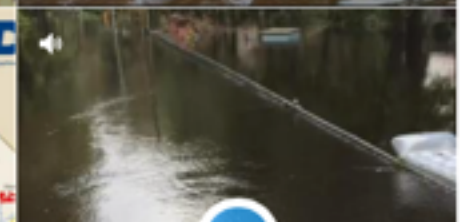
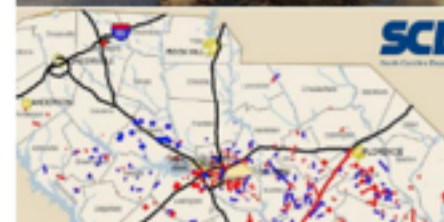
Capital Weather Gang @capitalweather The Carolinas got enough rain in the past 5 days to end the California drought waspo.st/1KYaYTL



Trooper David SCHP @SCHP_Troop1 This puts in perspective how big some of these re...



Andrew Knapp @ohedge Edisto River overflowing near Givhans Ferry Road...



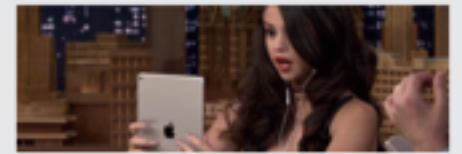
WATERCOOLER
Forget the force, check out the pressure on these 'Star Wars' showerheads

7K SHARES



BUSINESS
Netflix can't collect its money because everyone has new credit cards

2.1K SHARES



WATERCOOLER

www.theguardian.com/politics/blog/live/2015/oct/15/snp-conference-politics-live

the guardian

13h ago
Afternoon summary

13h ago
SNP MP says party has helped make Commons 'the gayest parliament in the world'

14h ago
Tommy Sheppard's 'top 10 most ridiculous aspects of the Palace of Westminster'

15h ago
SNP want to embarrass Labour by arranging early Commons vote on Trident, Robertson reveals

18h ago
MPs to vote on English votes for English laws (Evel) next Thursday

18h ago
SNP has 30-point lead over Labour, as YouGov finds Labour getting no Corbyn bounce

20h ago
Sturgeon promises 50,000 affordable homes if SNP win next year's election

17h ago 14:36
The Herald columnist **Iain Macwhirter** has praised Nicola Sturgeon's speech this morning.

Iain Macwhirter @iainmacwhirter Follow
Remarkable leadership from @nicolasturgeon effectively ruling out an early referendum. Will dismay many supporters. #snp15
4:44 AM - 15 Oct 2015
31 27

17h ago 14:33
To coincide with this afternoon's TTIP debate (see [2.22pm](#)), the SNP has announced that **Nicola Sturgeon** has written to David Cameron saying he should ensure the NHS is "explicitly exempt" from the TTIP treaty. If he does not get that guarantee, he should veto it, she says.

The SNP @theSNP Follow
.@NicolaSturgeon writes to David Cameron urging him to ensure "NHS is fully & explicitly exempt" from #TTIP & to veto it if it is not #SNP15
6:20 AM - 15 Oct 2015
78 35

17h ago 14:24
According to the Financial Times (subscription), **Heathrow airport is in talks with the SNP about improving its air links to Scotland in a bid to secure the support of the nationalist party's 55 MPs ahead of a potential Commons vote on the third runway.**

17h ago 14:22
In the conference now delegates are debating a resolution saying the SNP should demand assurances that public services, including the NHS, are exempt from TTIP (the transatlantic trade and investment partnership). STV's **Stephen Daisley** has this observation.

Stephen Daisley @JournoStephen Follow
In the main hall, a speaker is inveighing against "big business". Just off the main hall, McDonalds and INEOS have accredited stalls. #SNP15
6:09 AM - 15 Oct 2015
13 13

Keep the Web Fast

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- Grab a widget from publish.twitter.com
- Read our docs at dev.twitter.com
- Ask questions on the forums at twittercommunity.com



Thank You

@benward & @indianburger