



InstantSearch.js V2



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Software engineer

#AlgoliaSearchParty

About me

- > Software engineer at Algolia
- > One of the first 2 dev on instantsearch.js
- > Lead of InstantSearch.js

InstantSearch



InstantSearch

by Algolia

SEARCHSTONE

Search cards

1189 results in 11ms Search by algolia

Mana

Rarity

Format

Restrict to Standard

Set

- Un'Goro 135
- Gadgetzan 132
- Karazhan 45
- Old Gods 129
- The Grand Tournament 132
- League of Explorers 45
- Blackrock Mountain 31
- Goblins vs Gnomes 123
- Naxxramas 30
- Expert 239
- Basic 133
- Hall of Fame 10

Type

- Minion 823

0 Innervate

Gain 2 Mana Crystals this turn only.

CORE

0 Moonfire

Deal 1 damage.

CORE

0 Forbidden Flame

Spend all your Mana. Deal that much damage to a minion.

OG

0 Freezing Potion

Freeze an enemy.

GANGS

0 Murloc Tinyfin

Murloc Tinyfin

MARVEL

Search for any character, power, secret identity

1,727 results found in 1ms Search powered by Algolia

TEAMS

- ☐ X-Men 110
- ☐ Avengers 91
- ☐ Defenders 89
- ☐ Thunderbolts 86
- ☐ Masters of Evil 80
- ☐ S.H.I.E.L.D. 64
- ☐ Brotherhood of Mutants 69
- ☐ X-Mansion 51
- ☐ New Warriors 46
- ☐ X-Force 45

+ Show more

POWERS

- ☐ Superhuman strength 452
- ☐ Durability 268
- ☐ Flight 200
- ☐ Speed 178
- ☐ Stamina 172
- ☐ Agility 167
- ☐ Reflexes 137
- ☐ Endurance 121
- ☐ Telepathy 86
- ☐ Teleportation 73

+ Show more

SPECIES



SPIDER-MAN

Bitten by a radioactive spider, high school student Peter Parker gained the speed, strength and powers of a spider. Adopting the name Spider-Man, Peter hoped to start a career using his new abilities. Taught that with great power comes great responsibility, Spider-Man has vowed to use his powers to help people.



WOLVERINE

Born with super-human senses and the power to heal from almost any wound, Wolverine was captured by a secret Canadian organization and given an unbreakable skeleton and claws. Treated like an animal, it took years for him to control himself. Now, he's a premiere member of both the X-Men and the Avengers.



HULK

Caught in a gamma bomb explosion while trying to save the life of a teenager, Dr. Bruce Banner was transformed into the incredibly powerful creature called the Hulk. An all too often misunderstood hero, the angrier the Hulk gets, the stronger the Hulk gets.



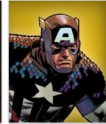
DAREDEVIL

Abandoned by his mother, Matt Murdock was raised by his father, boxer "Batting Jack" Murdock,



IRON MAN

Wounded, captured and forced to build a weapon by his enemies, billionaire industrialist Tony Stark instead created an advanced suit of armor to save his life and escape captivity. Now with a new outlook on life, Tony uses his money and intelligence to make the world a safer, better place as Iron Man.



CAPTAIN AMERICA

Vowing to serve his country any way he could, young Steve Rogers took the super soldier serum to become America's one-man army. Fighting for the red, white and blue for over 60 years, Captain America is the living, breathing symbol of freedom and liberty.



THOR

As the Norse God of thunder and lightning, Thor wields one of the greatest weapons ever made, the enchanted hammer Mjolnir. While others have described Thor as an over-muscular, callous imbecile, he's quite smart and compassionate. He's self-assured, and he would never, ever stop fighting for a worthwhile cause.



HUMAN TORCH

The Human Torch is a fictional superhero appearing in American comic books published by

Started in 2015



InstantSearch
for JavaScript

Well received!

1700+

live implementations

633

upvotes on Product Hunt

1600+

GitHub stars

42

contributors

2200+

commits

111

releases

Family is growing



InstantSearch
for React



InstantSearch
for JavaScript



InstantSearch
for Android



InstantSearch
for Swift



InstantSearch
for Vue

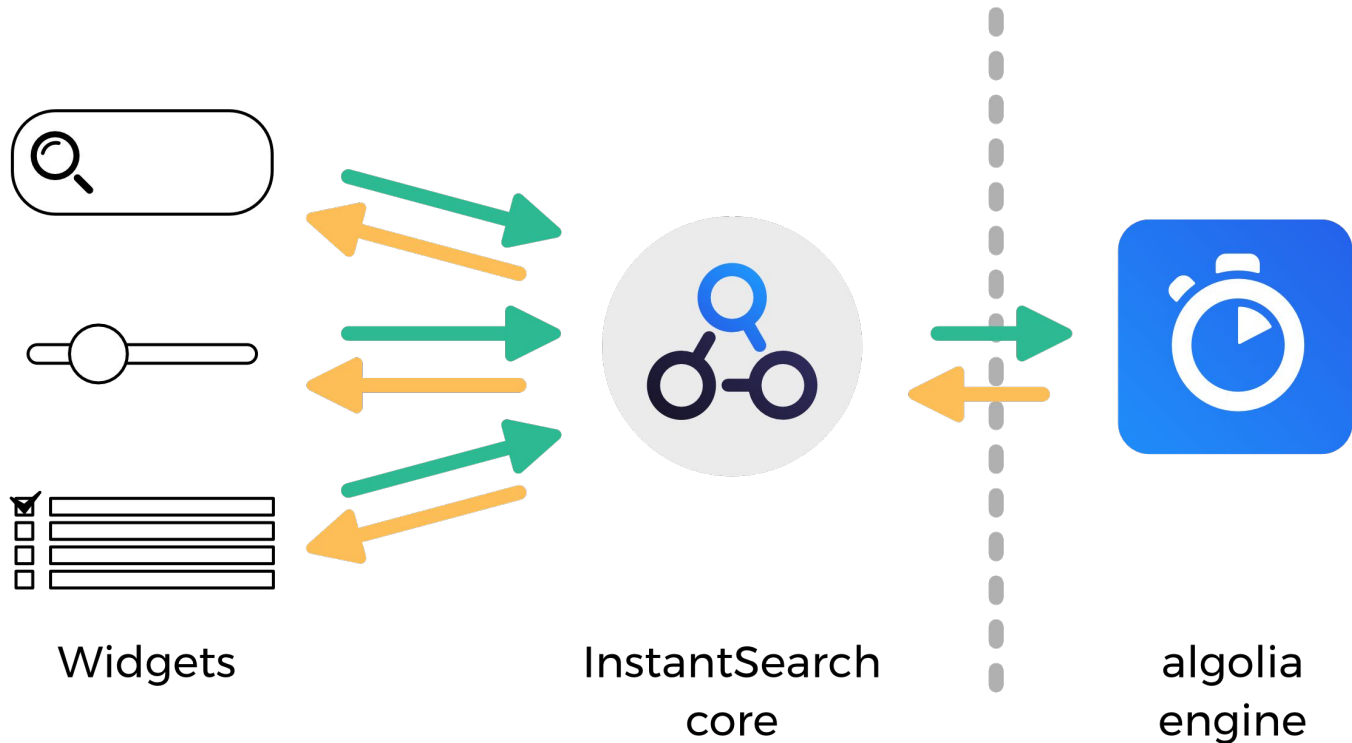
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Search is its **own domain**
of expertise

Why InstantSearch

- > Translate the concepts of search into UI
- > Package the UX best practices

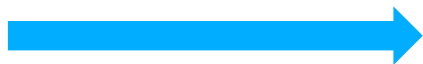
Key concepts



Milliseconds Matter

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searchBox

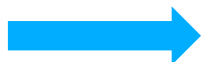


menu

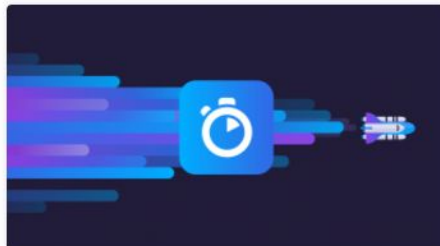


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hits



Testing for Failure in a 99.999% Reliability World



Redefining Incredible; redefining Search



InstantSearch.js v2

We've learned a lot...

- > from your feedback
- > from our experience with the other libraries
- > from our internal usage

Key learnings

- > The customisation is too limited
- > The learning curve is steep beyond the basics
- > Some API choices are blocking us

New features

- > A new API for customization: the connectors
- > New documentation
- > Overall improvements

Connector - example 1 / 3

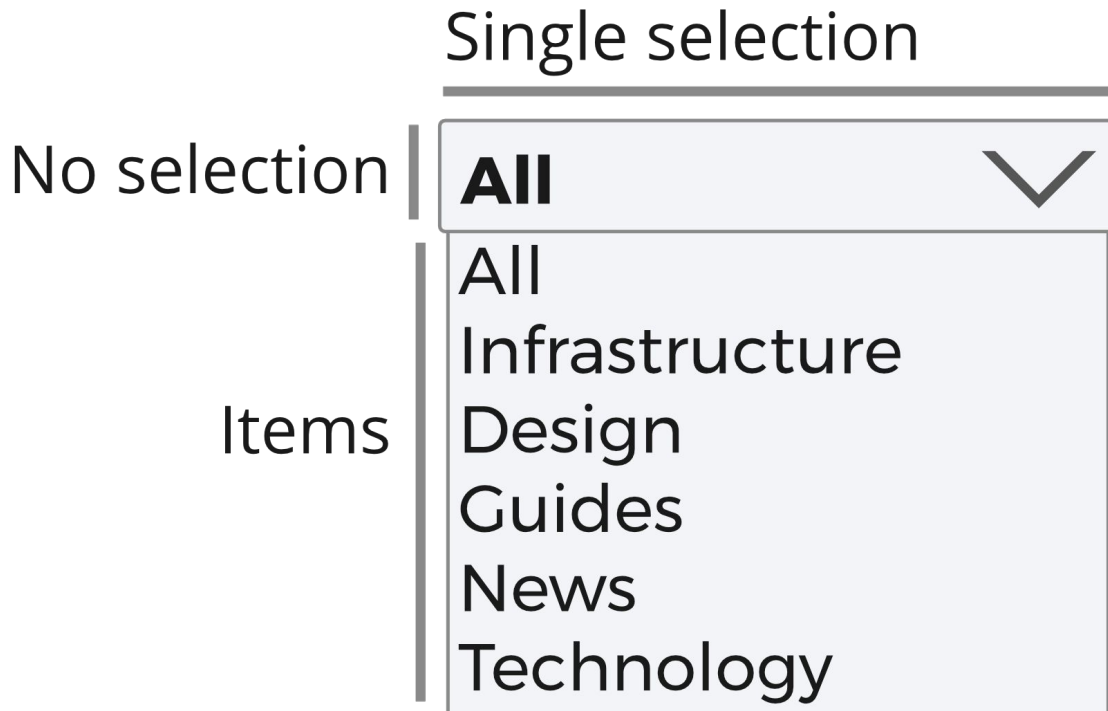
Milliseconds Matter

The Official Algolia Blog



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Customers 5

Connector - example 2 / 3



Connector - example 3 / 3

> The markup is different

```
<div>item 1</div>  
<div>item 2</div>  
<div>item 3</div>  
<div>item 4</div>
```

```
<select>  
  <option>item 1</option>  
  <option>item 2</option>  
  <option>item 3</option>  
  <option>item 4</option>  
</select>
```

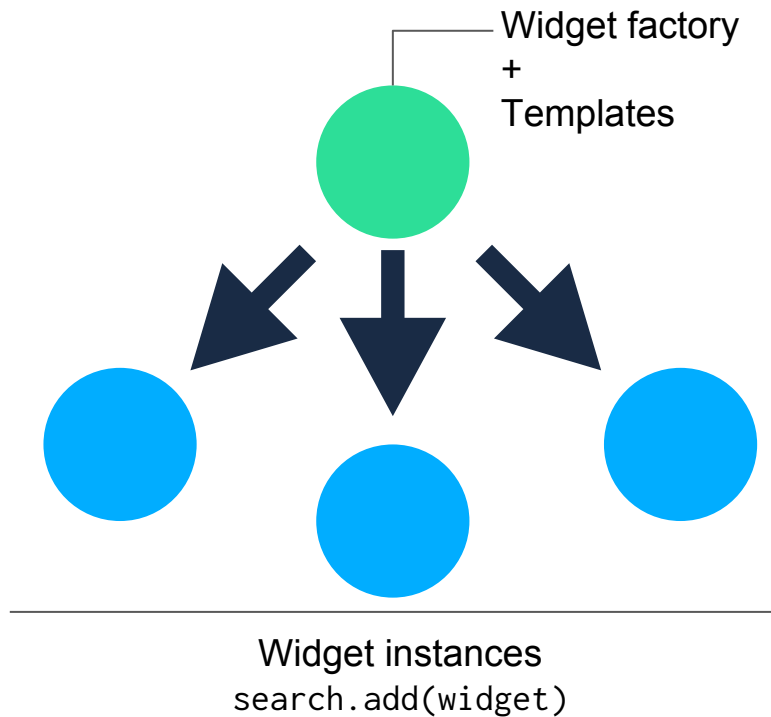
> Not doable in v1

> Can be done with the menu connector in v2

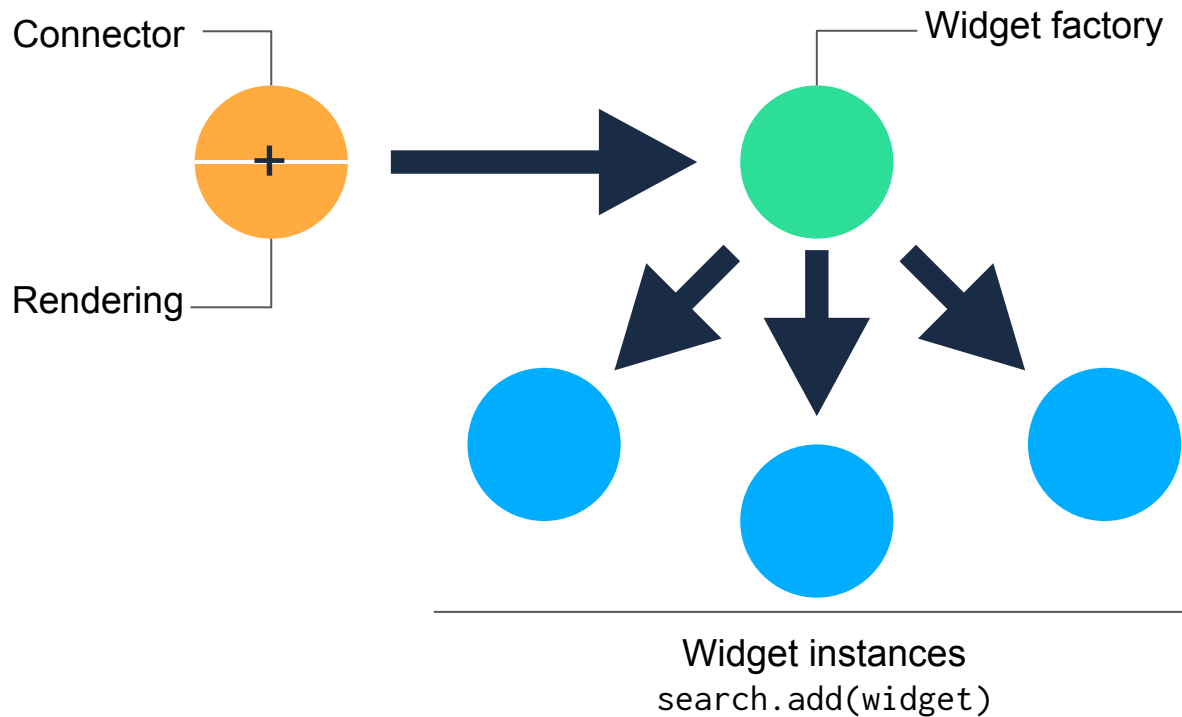
Connectors in a nutshell

- > Let the user customize the widgets completely
- > Separate behavior and rendering
- > This is a refactoring not a new set of options

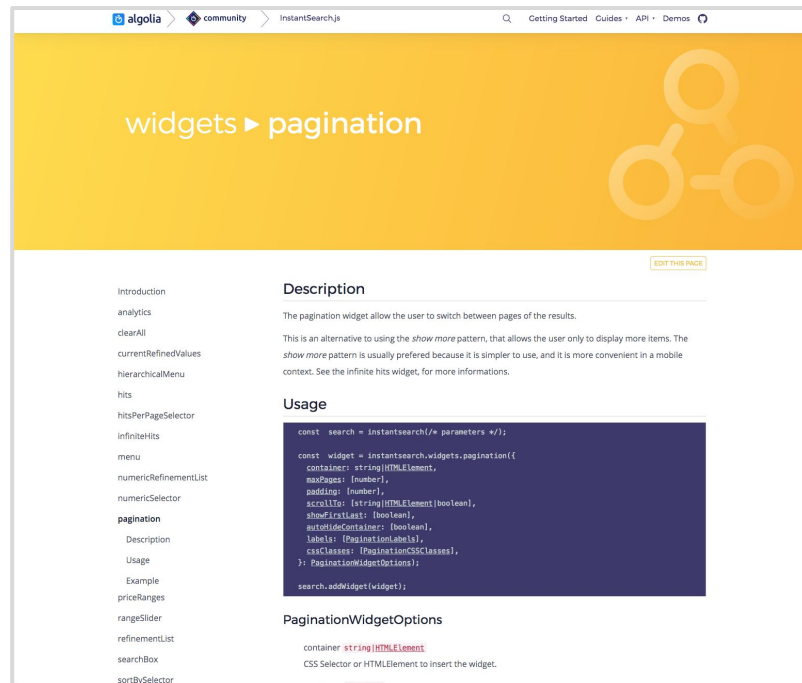
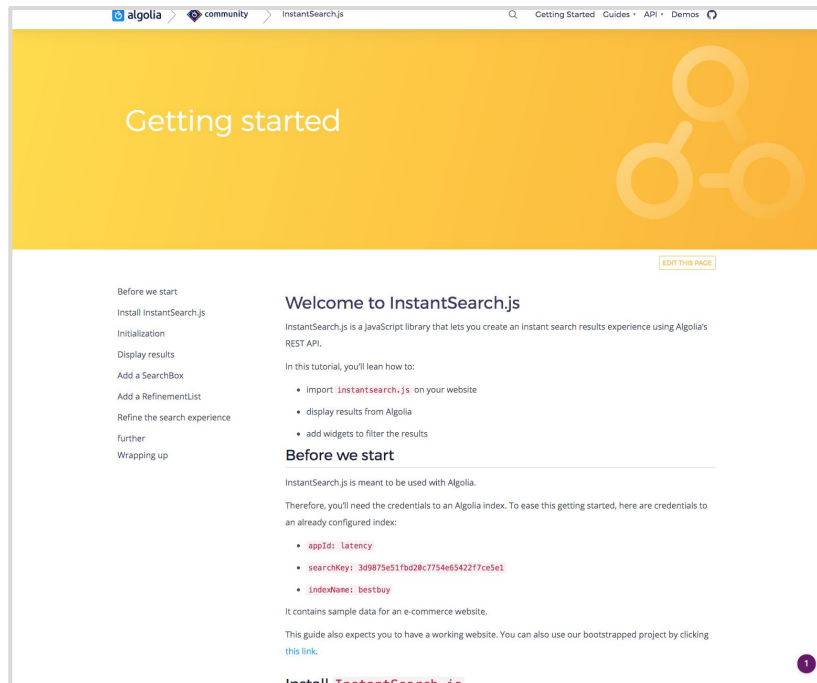
Without connectors



With connectors



New documentation



Improvements

- > Some breaking changes. [Guide: how to migrate](#)
- > New internal implementation of the slider widget
- > A proper default theme
- > New way to test widgets “à la story book”
- > Lighter build
- > Updated the searchFunction implementation

Summing up

- > Give you more power to customize widgets
- > Simplify the library to new users
- > Make the core more future proof

The (near) future

2.1

- > Stabilize the core (as started in v2)
- > Modernize the stacks (test, build...)
- > Add more guides and content to the documentation

Guidelines for the future

- > Bring more features from the engine into the UI
- > Do not be in your way
- > Provide consistency across InstantSearch projects

InstantSearch V2 is **available now**

The release candidate is live on NPM and jsDelivr:

- <https://community.algolia.com/instantsearch.js/v2>
- <https://yarnpkg.com/en/package/instantsearch.js>

Documentation is also available:

- <https://community.algolia.com/instantsearch.js/v2/>

Show us what you're doing with InstantSearch.js v2 **on the community forum** (<http://discourse.algolia.com>)



Thank you

Questions?



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