



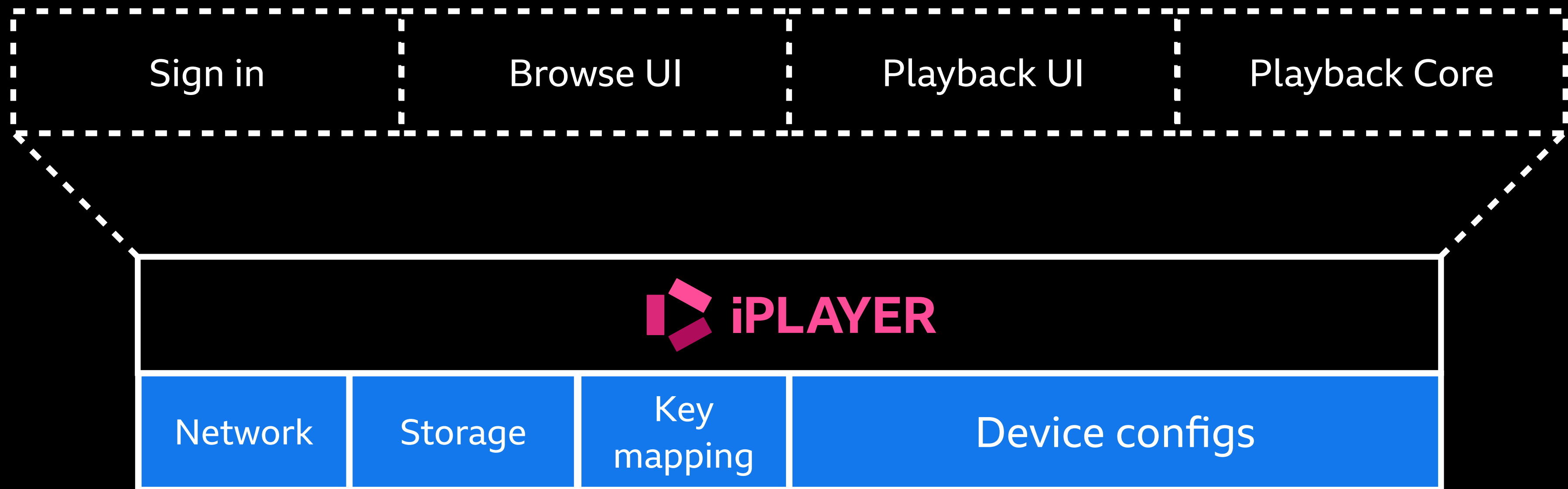
TV Development

Jordan Holt



How it's built

One codebase, many configurations





Target ES5.1

Runtime polyfilled

BBC iPlayer

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🔍 sandbox:8081/tap/iplayer?minified=false#tv/home

🔍 Search

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Doctor Who


The Power of the Doctor. Her final battle. Her deadliest enemies. Anything could happen...


🎬

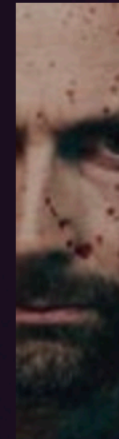
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[illegible]

How it's tested

Device compatibility experiments

TV Browser Support: API - Element

Technology > API > Element

Search

Show results for devices that: <div><div><input checked="" type="checkbox"/> Pass</div><div><input checked="" type="checkbox"/> Partial</div><div><input checked="" type="checkbox"/> Fail</div><div><input checked="" type="checkbox"/> Unknown</div></div>	firetv amazon	firetv_2015 amazon	firetv_2017 amazon	firetv_2019 amazon	firetv_2020_fvp amazon	firetv_cube_2019 amazon	firetv_farfield_2018 amazon	firetv_farfield_2019 amazon	firetv_hengrove_2018 amazon	firetv_stick amazon	firetv_stick_2016 amazon	firetv_stick_2020 amazon	firetv_stick_4k_2018 amazon	streamer_firetv_2017 amazon	streamer_firetv_2018 amazon	streamer_firetv_sp_2019 amazon	streamer_firetv_st_2019 amazon	tv_2018_fvp avtex	beoplay_v1_tv_2012 bang and olufsen
<div>Element</div> <div>Passes: 0 Partial: 0 Fail: 0 Unknowns: 338</div>	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
<div>classList</div> <div>Passes: 1 Partial: 0 Fail: 0 Unknowns: 337</div> <div>► Notes</div>	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?	?
<div>getAttribute</div> <div>Passes: 276 Partial: 0 Fail: 0 Unknowns: 62</div>	pass	pass	?	pass	?	pass	pass	?	pass	pass	pass	?	pass	pass	pass	pass	?	pass	pass
<div>getBoundingClientRect</div> <div>Passes: 276 Partial: 0 Fail: 0 Unknowns: 62</div>	pass	pass	?	pass	?	pass	pass	?	pass	pass	pass	?	pass	pass	pass	pass	?	pass	pass
<div>matches</div> <div>Passes: 150 Partial: 0 Fail: 126 Unknowns: 62</div> <div>► Notes</div>	<div>1 2</div> pass	<div>1 2</div> pass	?	<div>1 2</div> pass	?	<div>1 2</div> pass	<div>1 2</div> pass	?	<div>1 2</div> pass	<div>1 2</div> pass	<div>1 2</div> pass	?	<div>1 2</div> pass	<div>1 2</div> pass	<div>1 2</div> pass	<div>1 2</div> pass	?	<div>1 2</div> pass	<div>1 3</div> fail
<div>querySelector</div>	<div>1</div>	<div>1</div>		<div>1</div>	<div>1</div>	<div>1</div>	<div>1</div>			<div>1</div>	<div>1</div>		<div>1</div>	<div>1</div>	<div>1</div>	<div>1</div>			<div>1</div>

...and a lot of manual testing!

How it's delivered

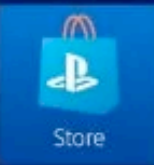
Discover

All Apps

My Videos

Settings

TV & Video



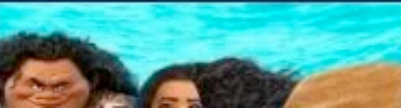
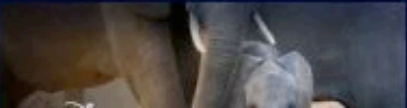
Featured

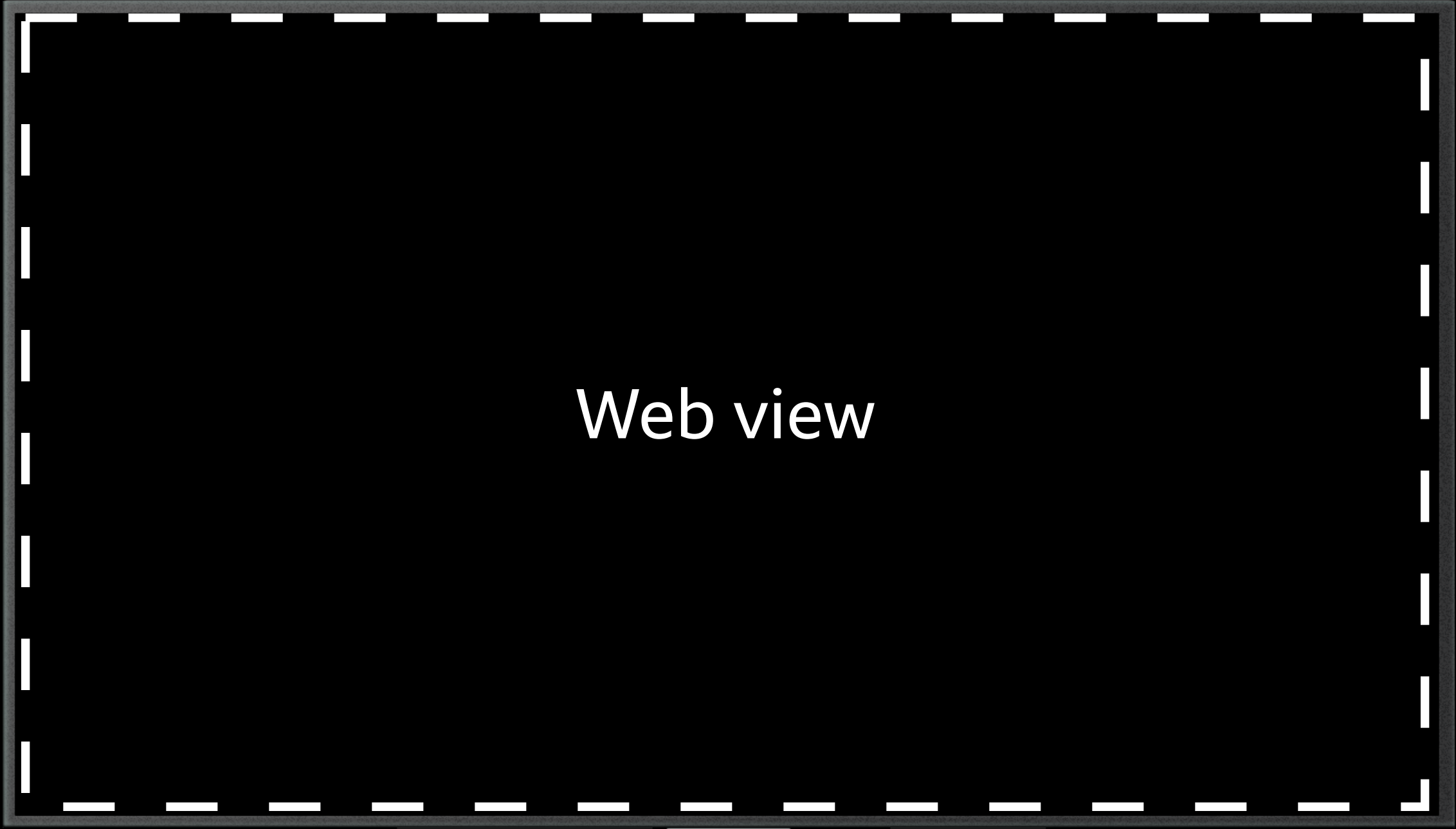


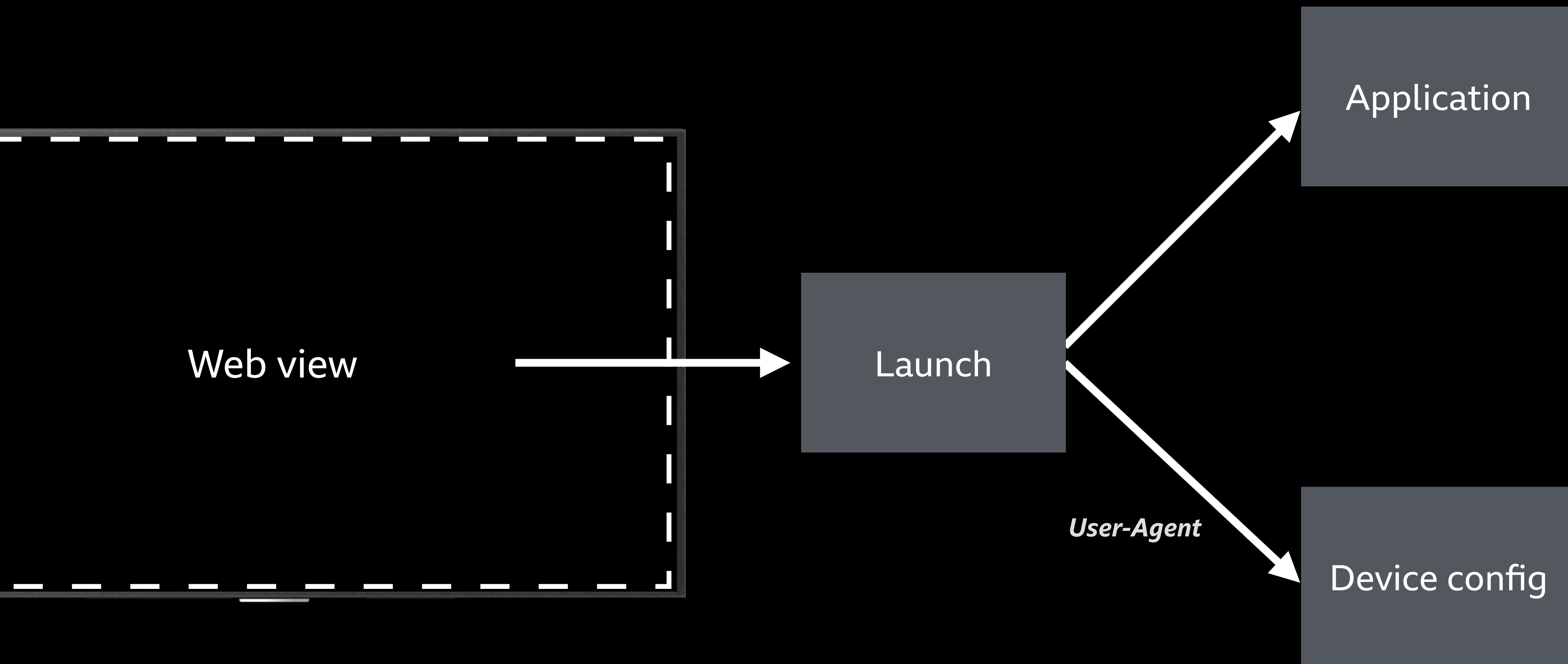
Netflix: Recommendations for you



Disney+









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His Dark Materials
Star-studded adaptation of Philip Pullman's fantasy trilogy.



Newsnight
Comprehensive coverage of the day's important national and international news stories



Top Gear
The team push their cars and themselves to the limits in the world's biggest motoring show



House of Lords
Coverage of business in the House of Lords



EastEnders 2010
Welcome to Walford, E20, in 2010.



EastEnders
Welcome to Walford, E20.



Opportunity areas for standardisation

Spatial navigation

Device performance

Remote debugging

Application manifests

System messaging



Thanks

