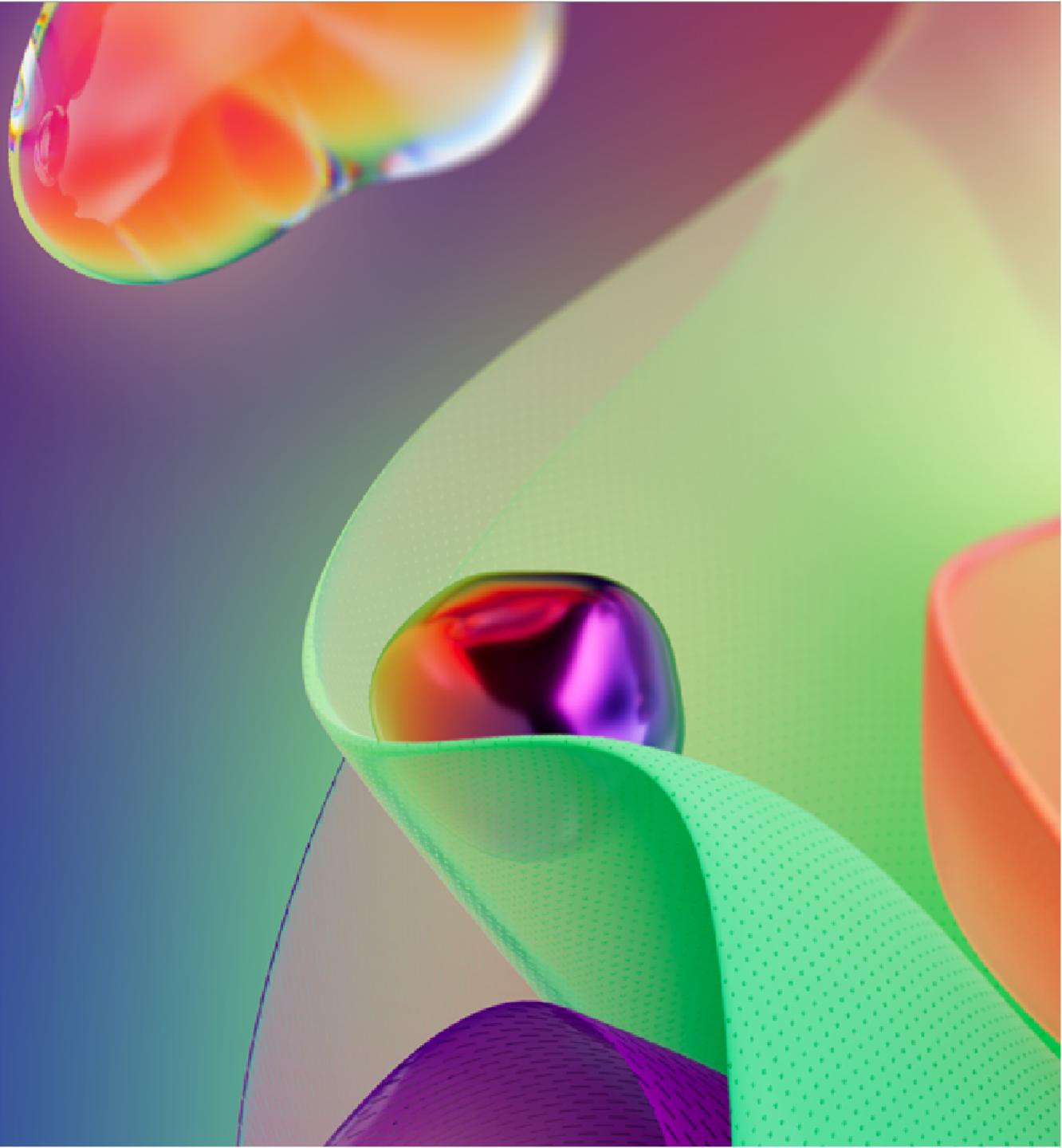


PWA in Sidebar

利用创新趋势提升用户体验

宋青见

2023年6月19日



主讲人简介

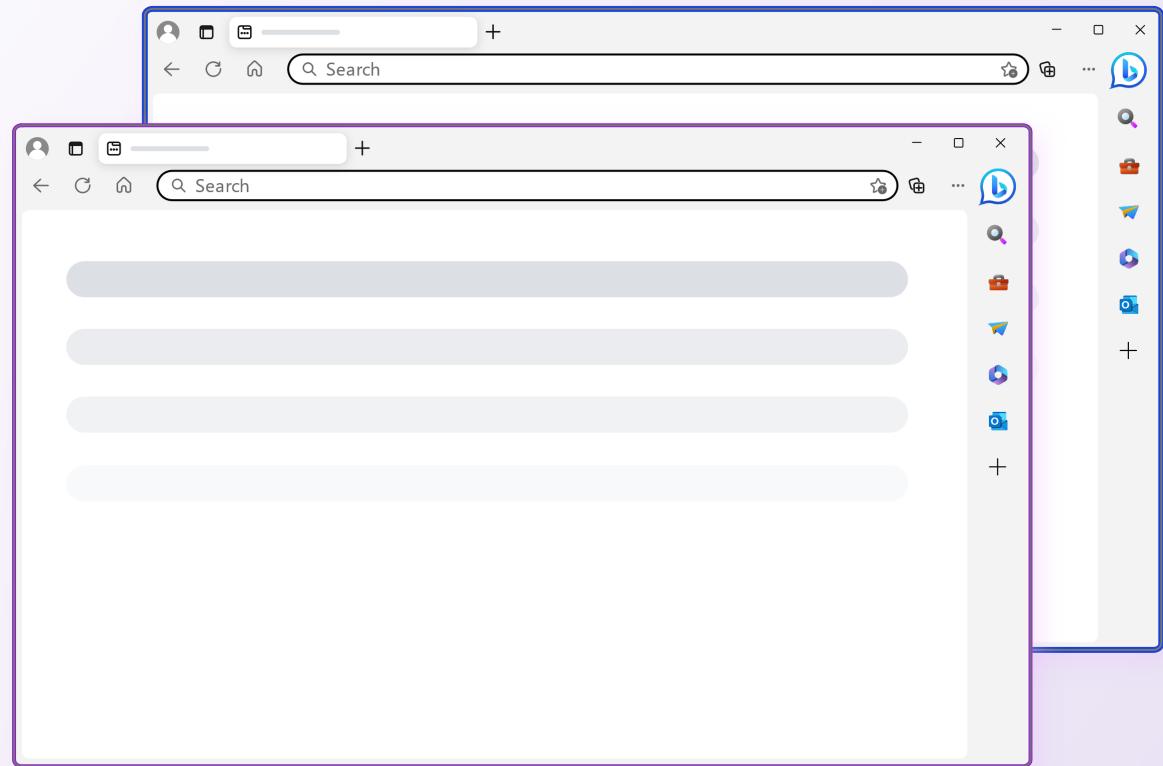


宋青见

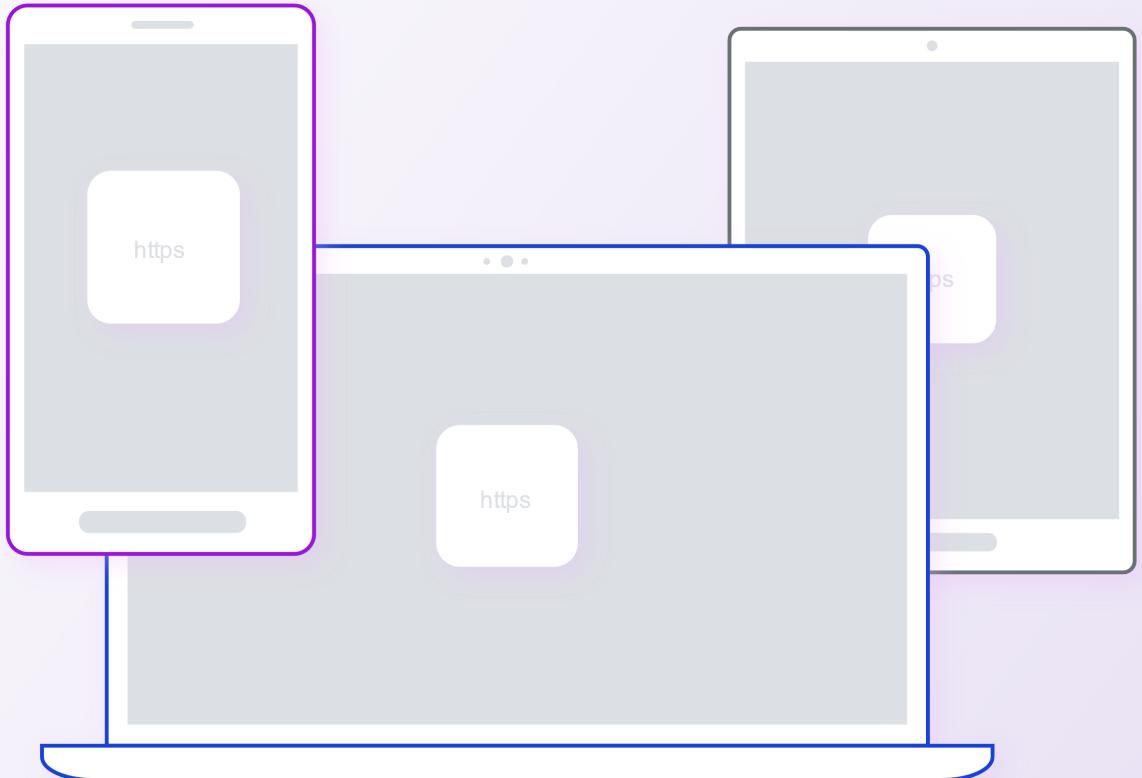
Microsoft Edge 浏览器·Web平台及开发者体验

首席产品经理

“基于**Web**标准，一次创建，
多浏览器，跨平台均可使用”



“使您的**Web**应用适应各种不同的设备和上下文
通过进行简单的编码增强”



SUPER SHOPPING NOW!

CLOTHING FURNITURE APPLIANCES TECH HOME GOODS GARDEN OUTDOORS GROCERY

Availability

In stock (451)

Categories

Backpacking Tents (97)
 Camping Tents (85)
 Shelters (64)
 Roof-Top Tents (17)
 Hammock Tents (8)
 Shower Tents (5)
 Bivy Sacks (4)
 Tent Accessories (198)

The Family Retreat The Adventurer The Luxury Lodge

\$499.00 \$329.00 \$99.00

★★★★★ (468) ★★★★★ (46) ★★★★★ (13)

Compare Compare Compare

Sleeping Capacity

1-Person (35)
 2-Person (63)
 3-Person (32)

78°F Sunny

|Search

4/26/23 9:28 AM

利用创新趋势、提升用户体验

Developer Opportunity



新的用户和流量

浏览器第二界面，
方便多任务场景。



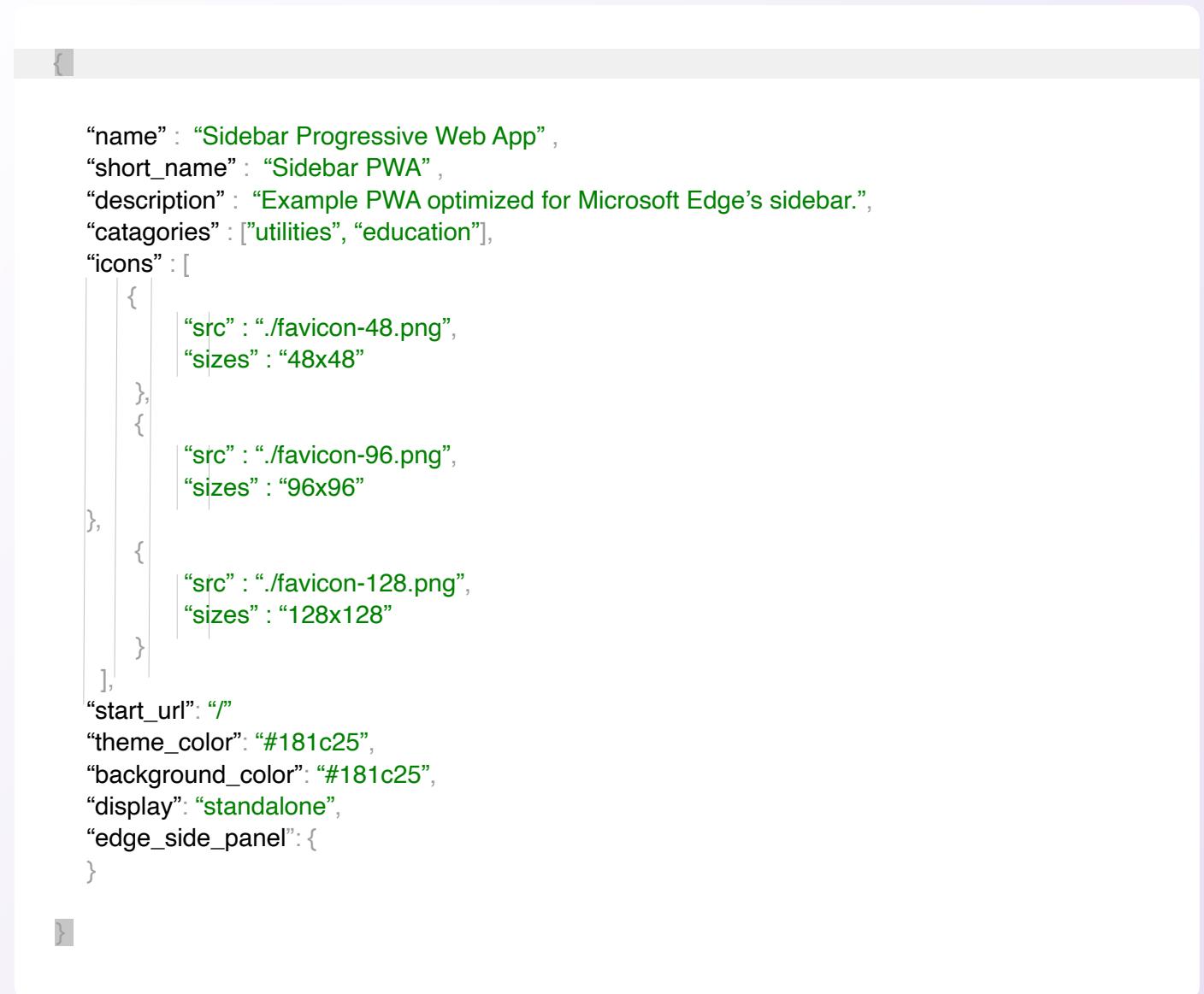
... 以最小的代价

Web app manifest 的简单改变；
移动页面设计可以重返桌面.

How to Build a Sidebar App

1. Configure your site's web app manifest

You do not have to make your PWA installable or replace your existing native client.



```
{  
  "name": "Sidebar Progressive Web App",  
  "short_name": "Sidebar PWA",  
  "description": "Example PWA optimized for Microsoft Edge's sidebar.",  
  "categories": ["utilities", "education"],  
  "icons": [  
    {  
      "src": "./favicon-48.png",  
      "sizes": "48x48"  
    },  
    {  
      "src": "./favicon-96.png",  
      "sizes": "96x96"  
    },  
    {  
      "src": "./favicon-128.png",  
      "sizes": "128x128"  
    }  
  ],  
  "start_url": "/",  
  "theme_color": "#181c25",  
  "background_color": "#181c25",  
  "display": "standalone",  
  "edge_side_panel": {}  
}
```

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    },  
    {  
      "src": "./favicon-96.png",  
      "sizes": "96x96"  
    },  
    {  
      "src": "./favicon-128.png",  
      "sizes": "128x128"  
    }  
  "start_url": "/",  
  "theme_color": "#181c25",  
  "background_color": "#181c25",  
  "display": "browser",  
  "edge_side_panel": {  
  }  
}
```

How to Build a Sidebar App

2. Add the edge_side_panel member to your manifest

This signals intent for sidebar promotion.

Edge will also use:

- name
- short_name
- description
- icons
- categories

```
{  
  "name": "Sidebar Progressive Web App",  
  "short_name": "Sidebar PWA",  
  "description": "Example PWA optimized for Microsoft Edge's sidebar.",  
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      "sizes": "128x128"  
    }  
  ],  
  "start_url": "/",  
  "theme_color": "#181c25",  
  "background_color": "#181c25",  
  "display": "browser",  
  "edge_side_panel": {  
  }  
}
```

How to Build a Sidebar App

3. Support a minimum width of 376px and implement a responsive user interface

You can override the default width via the `preferred_width` property

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  "categories": ["utilities", "education"],  
  "icons": [  
    {  
      "src": "./favicon-48.png",  
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    },  
    {  
      "src": "./favicon-96.png",  
      "sizes": "96x96"  
    },  
    {  
      "src": "./favicon-128.png",  
      "sizes": "128x128"  
    }  
  ],  
  "start_url": "/",  
  "theme_color": "#181c25",  
  "background_color": "#181c25",  
  "display": "browser",  
  "edge_side_panel": {  
    "preferred_width": 460  
  }  
}
```

How to Build a Sidebar App

4. Sidebar apps receive a desktop user-agent. check the client hint for the Edge Side Panel brand

You can serve a tailored UI variant for the sidebar.

https

Sec-CH-UA: "Microsoft Edge" ; v="112", "Edge Side Panel" ;v="1", "Placeholder;Browser Brand";v="99"

JavaScript

```
const brands = navigator.userAgentData.brands;
const sidebarBrandInfo = brands.find(b =>b.brand === "Edge Side Panel");
if (sidebarBrandInfo) {
    console.log(sidebarBrandInfo); // {brand: "Edge Side Panel",version "1"}
} else {
    console.log("App is not running in the Microsoft Edge sidebar");
}
```

New tab 爱奇艺-在线视频网站-海量正版高

https://www.iqiyi.com/?vfm=f_588_wrb&fv=ac30238882b84c8c

Work

20° 汪汪队立大功 首月特惠 游戏 客户端 看过 登录

VIP 公诉 首播·迪丽热巴佟大为跨国追踪
30以下男人不建议玩
熟年
页游微变版! 超级爽服
来活了兄弟
萌探探探案3
老传奇新打金, 刀刀爆
中国说唱2023
异能世界 跨越时空
我是学校唯一的人类

公诉

即将上线 鞠婧祎郭俊辰三界情缘

立即预约

猜你喜欢 张楠: 想尝试演狂飙里的大嫂

05-29期 人生之路 37集全 新猫和老鼠 第4季 26集全

中国说唱巅峰对决2023 ... 人生之路 陈晓李沁重返80年代

2V2吞并赛来袭 新猫和老鼠 第4季 现代版全新猫鼠4

热点关注 神舟十六号发射升空

广告 重炮出击 强势重炮免费送

点击下载, 立即开战!

https://www.iqiyi.com/v_19uttgp2wdo.html?jumpType=1&vfrm=pcw_ho...

触达更多用户

个性化推荐

The web app manifest is used to create product listings

The screenshot shows a Microsoft Edge browser window with a personalized sidebar. The main content area displays a product listing for a tent. At the top, there are two categories: 'OUTDOORS' and 'GROCERY'. Below these are two large thumbnail images of tents: one red and black, and one orange and grey. The title 'The Luxury Lodge' is displayed above the price '\$99.00'. A star rating of 4.5 stars from 13 reviews is shown, along with a 'Buy now' button. Below the main product are two smaller thumbnail images of the same tent models.

Customize sidebar

Search for apps, sites, and extensions...

Recently used

Discover more

Super Shopping Now... + Add current page

For you By Microsoft Social Productivity

Instagram Turn your dreams of becoming a pop...

Facebook Connect with friends, family...

Drop Send files across your mobile and desk...

Fabrikam Manufacturing quaty industrial parts.

Alpine Ski House Come join us for fresh powder and fam...

Super Shopping Now Site: supershoppingnow.com

9:28 AM 10/6/2021

12:23 AM 4/18/2023

触达更多用户

浏览器内的工具提示

A screenshot of a Facebook sidebar interface. At the top, there's a blue button with white text that says "Try Facebook in the sidebar". Below it are several icons: a grid icon, a message icon, a notification bell with a red "2" badge, and a user profile picture of an owl. On the far right, there's a vertical column of small, colorful icons representing various features like search, messages, and groups.

The main area shows a "Groups - Suggested for you" section. It features a thumbnail image of a garden with raised beds filled with green plants. Below the thumbnail, the text "Raised Bed Gardening" and "308K members • 10+ posts a day" is displayed, along with a "Join group" button.

On the left side of the main area, there's a tool tip for a video post. It includes a video thumbnail showing several potted plants on a windowsill, a title field with "/video" and a "Feeling/activity" field containing a smiley face icon, and a text input field with placeholder text: "re short on time or have a green thumb. They conditions. Plus, they come in a wide variety of succulent that is perfect for your home or". At the bottom of this tool tip is a "... See more" link.

At the very bottom of the screen, there's a taskbar with several pinned application icons: Microsoft Edge, Mail, File Explorer, Task View, and a browser icon. The system tray on the right shows the date and time as "9:28 AM 10/6/2021" along with standard icons for battery, signal, and volume.



下一步的计划

More PWA capabilities for sidebar apps

shortcuts

start_url

richer push notifications ... and more.

The screenshot shows a Microsoft Edge browser window with a sidebar on the right containing various app icons. The main content area displays a product listing for outdoor gear, specifically tents. At the top, there are three categories: GARDEN, OUTDOORS, and GROCERY. Below these are two products:

- The Adventurer**: A grey and orange tent. It is listed at \$329.00 and has a rating of 4.5 stars from 46 reviews. A "Buy now" button is present.
- The Luxury Lodge**: An orange and tan tent. It is listed at \$99.00 and has a rating of 4.5 stars from 13 reviews. A "Buy now" button is present.

At the bottom of the screen, there are two more tent images: a dark blue one on the left and an orange one on the right.

下一步的计划

Standardize the side_panel member

You can contribute to the public explainer

Side Panel

Authors:

- Adolf Daniel
- Hoch Hochkeppel
- Min Ren
- Sohum Chatterjee

Status of this Document

This document is a starting point for engaging the community and standards bodies in developing collaborative solutions fit for the Web. As the solutions to problems described in this document progress along the standards-track, we will retain this document as an archive and use this section to keep the community up-to-date with the most current standards venue and content location of future work and discussions.

- This document status: *Active*
- Expected venue: [W3C Web Applications Working Group | w3c/manifest](#)
- Current version: this document

Introduction

Modern browsers have a side panel that can be used to display additional information about the current page or provides a way to browse side-by-side. This proposal aims to standardize the side panel and its API. The new side panel API will allow developers to declare support for the side panel and to control their web content in the side panel.

Motivation

The side panel is a new feature in Microsoft Edge that allows the user to view and browse side-by-side. The side panel is a new way for the user to interact with developers to control the appearance of their web content in the side panel. To their web content in the side panel.

aka.ms/sidebarexplainer

如何开始?



文档和示例

Checkout docs & samples at
aka.ms/sidebardocs

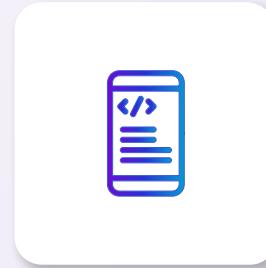
Learn more about PWAs at
aka.ms/pwa



标准化说明

Public Explainer

Provide feedback at aka.ms/sidebarexplainer



开始构建

Available publicly in
Edge Insider

Build your sidebar app today!