



# MINIAPP MANIFEST

TPAC – 28 Oct 2021

W3C MiniApp WG

# MiniApp Manifest

Describe a **MiniApp** with information for systems and marketplaces (icons, descriptions, versioning...), also with runtime configuration (themes, colors, orientation...)

- Spec: <https://www.w3.org/TR/miniapp-manifest/>
- Repo: <https://github.com/w3c/miniapp-manifest>
- Status: **FPWD**

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## MiniApp Manifest

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**Participate:**  
GitHub w3c/miniapp-manifest  
File an issue  
Commit history  
Pull requests

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### Abstract

This specification is a registry of supplementary members for the Web Application Manifest and the Web App Manifest. Application Information specifications that provide additional metadata to an application manifest to describe MiniApps. This JSON-based manifest file enables developers to set up basic information of a MiniApp, like identification, human-readable description, versioning data, and styling information. The MiniApp manifest also configures the routing of the pages and widgets that are part of a MiniApp.

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# MiniApp Manifest: Metadata and Configuration

Extension of the **Web Application Manifest** →

## Describe a MiniApp

- > Unique identifier, name, description, icons...
- > Versioning information, platform, ...

## Configuration of a MiniApp:

- > Display configuration (background color, theme, full-screen, orientation, navigation bar...)
- > Pages configuration and routing of the app
- > Widgets configuration
- > Permissions requested (name + reason)

### § 1.7 Processing the manifest

The MiniApp manifest, as **an extension of the Application manifest**, provides a sup processed at the [extension point](#) of the [processing a manifest](#) algorithm defined in user agent starts by processing the [Application manifest](#)'s members and, at the ex processing the MiniApp manifest members using the following algorithm.

```
{
  "dir": "ltr",
  "lang": "en-US",
  "app_id": "org.example.miniapp",
  "name": "MiniApp Demo",
  "short_name": "MiniApp",
  "version": {
    "name": "1.0.1",
    "code": 11
  },
  "description": "A Simple MiniApp Demo",
  "icons": [
    {
      "label": "Red lightning",
      "src": "common/icons/icon.png",
      "sizes": "48x48"
    }
  ],
  "platform_version": {
    "min_code": 1,
    "release_type": "Beta1",
    "target_code": 2
  },
  "pages": [
```

# MiniApp Manifest: Next steps

**Internationalization** (currently MiniApps apply localization during building process)

- > We need to distribute manifest in different languages: marketplaces will choose the right language
- > To align with the **Web App Manifest solution** (WICG's proposal: <https://github.com/WICG/manifest-incubations/blob/gh-pages/translations-explainer.md>)

```
{
  "name": "Good dog",
  "description": "An app for dogs",
  "icons": [],
  "screenshots": [],
  "lang": "en",
  "translations": {
    "fr": {
      "name": "Bon chien",
      "description": "Une application pour chiens",
      "icons": [],
      "screenshots": []
    }
  }
}
```

Alternative:

```
{
  "name": "Good dog",
  "description": "An app for dogs",
  "icons": [],
  "screenshots": [],
  "lang": "en",
  "translations": {
    "fr": "manifest.fr.json"
  }
}
```

More **details on routing** (e.g., indicate where the localization (i18n) resources are)

**Vendor-dependent attributes** (*alipay\_key\_feature*, *quickapp\_cool\_feature*...) repository for extensions

**Accessibility features** within the manifest

# Thank you.

Get involved! <https://github.com/w3c/miniapp-manifest>