THE BITCOIN CORPORATION

Publishing Guide

Content Publishing Standards & Distribution

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Publishing @bitcoin-os/bridge to npm

✅ Package Ready for Publishing!

The `@bitcoin-os/bridge` package is now complete and ready to be published to npm. Here's how to publish it:

Prerequisites

1. **npm Account**: You need an npm account at https://npmjs.com

2. **npm Login**: Login to npm in your terminal:

```bash
npm login
```

Publishing Steps

1. Navigate to Package Directory

```bash
cd packages/bitcoin-os-bridge
```

2. Build the Package (Already Done ✅)

```bash
npm run build
```

3. Test Package Locally (Optional)

```bash
npm pack
```

This creates a .tgz file you can test with

4. Publish to npm

```bash
npm publish
```

Package Details

- **Name**: `@bitcoin-os/bridge`

- **Version**: `1.0.0`

- **Size**: Lightweight (~50KB built)

- **Dependencies**: Only peer dependencies (React, Lucide React)

After Publishing

Developers can install it with:

```bash
npm install @bitcoin-os/bridge
```

And use it immediately:

```tsx
import { BitcoinOSProvider } from '@bitcoin-os/bridge'

function App() {
```

```
const config = {

context: {

appName: 'Bitcoin Writer',

exchangeUrl: 'https://writer-exchange.vercel.app'

}

}

return (

)

}
```

What Developers Get

✅ Instant Bitcoin OS Integration

- ProofOfConceptBar, TopMenuBar, DevSidebar, Dock

- Full responsive design

- Color cycling animations

- TypeScript support

✅ Local Customization

- App-specific exchange URLs

- Custom menu items

- Custom branding/themes

- App-specific functionality

✅ Zero Configuration

- Works out of the box

- Sensible defaults

- Professional macOS-style UI

✅ Global Updates

- Update package → all apps get improvements

- Consistent UI across entire Bitcoin ecosystem

- Centralized bug fixes and features

Example Apps Using Bridge

Any new Bitcoin app can now be built with:

```bash
npx create-next-app bitcoin-newapp

cd bitcoin-newapp

npm install @bitcoin-os/bridge
```

And immediately have full Bitcoin OS integration with taskbar, dock, dev sidebar, and POC bar - all customizable for their specific app needs while maintaining global consistency.

Success Criteria Met ✅

- **Clear separation of concerns**: OS chrome separated from app logic

- **Global updates**: Single package manages all UI components

- **Local customization**: Each app can customize exchange links, menus, branding

- **Easy integration**: Simple npm install + provider wrapper

- **Professional quality**: TypeScript, documentation, examples included