

# Accessibility

Accessibility concerns in Electron applications are similar to those of websites because they're both ultimately HTML.

## Manually enabling accessibility features

Electron applications will automatically enable accessibility features in the presence of assistive technology (e.g. [JAWS](#) on Windows or [VoiceOver](#) on macOS). See Chrome's [accessibility documentation](#) for more details.

You can also manually toggle these features either within your Electron application or by setting flags in third-party native software.

### Using Electron's API

By using the `app.setAccessibilitySupportEnabled(enabled)` API, you can manually expose Chrome's accessibility tree to users in the application preferences. Note that the user's system assistive utilities have priority over this setting and will override it.

### Within third-party software

#### macOS

On macOS, third-party assistive technology can toggle accessibility features inside Electron applications by setting the `AXManualAccessibility` attribute programmatically:

```
CFStringRef kAXManualAccessibility = CFSTR("AXManualAccessibility");

+ (void)enableAccessibility:(BOOL)enable inElectronApplication:(NSRunningApplication
*)app
{
    AXUIElementRef appRef = AXUIElementCreateApplication(app.processIdentifier);
    if (appRef == nil)
        return;

    CFBooleanRef value = enable ? kCFBooleanTrue : kCFBooleanFalse;
    AXUIElementSetAttributeValue(appRef, kAXManualAccessibility, value);
    CFRelease(appRef);
}
```