

# PrimeNG Migration: Version 13 → Version 14

## Overview

PrimeNG 14 is an incremental release focused on compatibility with Angular 14 and performance improvements. It includes updates to virtualization components and minor refinements, but no breaking changes to CSS class prefixes or core APIs.

## 1. Compatibility and Dependency Updates

- Angular 14 support: Ensure peer dependencies for @angular/core, @angular/cli are ^14.x. - PrimeIcons should remain at >=4.1.0. PrimeFlex version should align with PrimeNG documentation (>=3.x).

## 2. Virtual Scrolling Enhancements

PrimeNG 14 introduces an updated VirtualScroller for faster rendering of large lists in components like DataTable, Dropdown, and MultiSelect. The API remains the same but internal performance is improved. No template changes are required. If you use [virtualScroll] or [virtualRowHeight], simply upgrade the package and rebuild to benefit from optimizations.

## 3. New and Enhanced Components

- Added minor features to existing components (e.g., new event hooks in Carousel and Galleria). - Introduced new components such as the TreeSelect for combined tree and dropdown selection. - Use TreeSelectModule and <p-treeSelect> tag.

## 4. No CSS or Structural API Breaks

There are no changes to CSS class prefixes (p- remains) or DOM structure for existing components. Verify that any custom CSS still targets the correct selectors, but expect no regressions.

## 5. Migration Steps for v14

1. Update package.json: primeng@^14.0.0. 2. Run npm install to update dependencies. 3. Rebuild the application and fix any peer dependency warnings. 4. Run unit and E2E tests to confirm behavior. 5. Optionally test new TreeSelect component and virtual scroll performance.

## 6. Verification & QA

- Focus on large data components (DataTable, Dropdown) to confirm improved scroll performance. - Test TreeSelect usage in forms for both single and multiple selection modes. - Run cross-browser tests to ensure virtualization works across supported browsers.