

# PrimeNG Migration: Version 11 → Version 12

## Overview

PrimeNG 12 is primarily a compatibility release for Angular 12, with one major incremental change in version 12.1 affecting the DataTable component's scrolling and column features. This guide covers migrating from PrimeNG v11.x to v12.x, detailing both v12.0 and v12.1 changes.

## 1. PrimeNG v12.0.0 (Compatibility Release)

- Angular 12 support: updated peer dependencies for @angular/core, @angular/cli, etc. - No breaking changes in core components compared to v11. All module imports, CSS classes, and APIs remain the same. - New minor components and bug fixes were introduced, but none require migration work.

## 2. PrimeNG v12.1.0 (DataTable Scrolling Overhaul)

Version 12.1 introduces a rewritten DataTable (p-table) scrolling mechanism using CSS Sticky. This enhances performance and simplifies the DOM, but requires changes to templates and styles.

### 2.1 Breaking Changes in p-table (DataTable)

- **Removal of support:** Templates using inside will no longer function. Remove elements from your table templates. - **Frozen Columns:** The frozenColumns input property is removed. Use the pFrozenColumn directive on tags to mark columns as frozen. - **Template Renaming:** The frozenRows template slot is renamed to frozenBody. Update declarations accordingly. - **scrollDirection:** A new scrollDirection input replaces older boolean flags for vertical or horizontal scrolling. Use values "vertical", "horizontal", or "both".

### 2.2 Example Template Migration

*Before (v11):*

```
<p-table [value]="data" [scrollable]="true" [scrollHeight]="400px"> <colgroup> <col style="width:200px" /> <col style="width:200px" /> </colgroup> <p-column field="name" header="Name" frozenColumns></p-column> <p-column field="age" header="Age"></p-column> </p-table>
```

*After (v12.1):*

```
<p-table [value]="data" scrollable="true" scrollHeight="400px" scrollDirection="both"> <p-column pFrozenColumn field="name" header="Name" style="width:200px"></p-column> <p-column field="age" header="Age" style="width:200px"></p-column> </p-table>
```

## 3. Removal of FullCalendar Component

The p-fullCalendar component included in PrimeNG v9–v11 is deprecated and removed in v12.1.0. To maintain calendar functionality, integrate the official FullCalendar Angular wrapper: - Install: npm install @fullcalendar/angular @fullcalendar/daygrid - Import FullCalendarModule from '@fullcalendar/angular'. - Update templates to use instead of .

## 4. Styling and Class Names

There are no new class prefix changes in v12. All p- classes from v10 remain. However, verify any custom styles targeting table scroll wrappers, as the internal DOM structure changed.

## **5. Verification & QA**

- Run regression on all tables with scrolling and frozen columns. - Update unit/E2E tests for changed template slots and inputs. - Visual regression to catch style differences in table headers, footers, and scroll bars. - Cross-browser testing for sticky positioning support (modern browsers only).

## **6. Step-by-Step Migration Plan for v12**

1. Update PrimeNG package: `npm install primeng@^12.1.0 primeicons@^4.1.0`. 2. Remove usage from templates. 3. Replace frozenColumns inputs with pFrozenColumn directives. 4. Rename frozenRows templates to frozenBody. 5. Update scroll inputs: use scrollDirection instead of boolean props. 6. Migrate FullCalendar usages to `@fullcalendar/angular`. 7. Test and verify all table variants. 8. QA and deploy updated UI.