

@mui/codemod

Codemod scripts for MUI

npm v5.10.3 downloads 27k/month

This repository contains a collection of codemod scripts based for use with [jscodeshift](#) that help update MUI APIs.

Setup & run

```
npx @mui/codemod <codemod> <paths...>
```

Applies a `@mui/codemod` to the specified paths

Positionals:

codemod	The name of the codemod	[string]
paths	Paths forwarded to `jscodeshift`	[string]

Options:

--version	Show version number	[boolean]
--help	Show help	[boolean]
--dry	dry run (no changes are made to files)	[boolean] [default: false]
--parser	which parser for jscodeshift to use.	[string] [default: 'tsx']
--print	print transformed files to stdout, useful for development	[boolean] [default: false]
--jscodeshift		[string] [default: false]

Examples:

```
npx @mui/codemod v4.0.0/theme-spacing-api src
npx @mui/codemod v5.0.0/component-rename-prop src --
--component=Grid --from=prop --to=newProp
npx @mui/codemod v5.0.0/preset-safe src --parser=flow
```

jscodeshift options

To pass more options directly to jscodeshift, use `--jscodeshift="..."`. For example:

```
npx @mui/codemod --jscodeshift="--run-in-band --verbose=2"
```

See all available options [here](#).

Recast Options

Options to [recast](#)'s printer can be provided through jscodeshift's `printOptions` command line argument

```
npx @mui/codemod <transform> <path> --jscodeshift="--  
printOptions='{\"quote\": \"double\"}'"
```

Included scripts

v5.0.0

date-pickers-moved-to-x

Rename the imports of date and time pickers from `@mui/lab` to `@mui/x-date-pickers` and `@mui/x-date-pickers-pro`.

```
npx @mui/codemod v5.0.0/date-pickers-moved-to-x <path>
```

preset-safe

A combination of all important transformers for migrating v4 to v5. ⚠️ This codemod should be run only once.

```
npx @mui/codemod v5.0.0/preset-safe <path|folder>
```

The list includes these transformers

- [adapter-v4](#)
- [autocomplete-rename-closeicon](#)
- [autocomplete-rename-option](#)
- [avatar-circle-circular](#)
- [badge-overlap-value](#)
- [box-borderradius-values](#)
- [box-rename-css](#)
- [box-rename-gap](#)
- [button-color-prop](#)
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- [theme-breakpoints](#)
- [theme-breakpoints-width](#)
- [theme-options](#)
- [theme-palette-mode](#)
- [theme-provider](#)
- [theme-spacing](#)
- [theme-typography-round](#)
- [transitions](#)
- [use-autocomplete](#)
- [use-transitionprops](#)
- [with-mobile-dialog](#)
- [with-width](#)
- [mui-replace](#)

adapter-v4

Imports and inserts `adaptV4Theme` into `createTheme` (or `createMuiTheme`)

```
+import { adaptV4Theme } from '@material-ui/core/styles';

- createTheme({ palette: { ... } })
+ createTheme(adaptV4Theme({ palette: { ... } }))
```

```
npx @mui/codemod v5.0.0/adapter-v4 <path>
```

You can find more details about this breaking change in [the migration guide](#).

autocomplete-rename-closeicon

Renames `Autocomplete`'s `closeIcon` prop to `clearIcon` .

```
-<Autocomplete closeIcon={defaultClearIcon} />
+<Autocomplete clearIcon={defaultClearIcon} />
```

```
npx @mui/codemod v5.0.0/autocomplete-rename-closeicon <path>
```

You can find more details about this breaking change in [the migration guide](#).

autocomplete-rename-option

Renames Autocomplete's `getOptionSelected` to `isOptionEqualToValue`.

```
<Autocomplete
-  getOptionSelected={ (option, value) => option.title === value.title}
+  isOptionEqualToValue={ (option, value) => option.title === value.title}
/>
```

```
npx @mui/codemod v5.0.0/autocomplete-rename-option <path>
```

You can find more details about this breaking change in [the migration guide](#).

avatar-circle-circular

Updates the Avatar's `variant` value and `classes` key from 'circle' to 'circular'.

```
-<Avatar variant="circle" />
-<Avatar classes={{ circle: 'className' }} />
+<Avatar variant="circular" />
+<Avatar classes={{ circular: 'className' }} />
```

```
npx @mui/codemod v5.0.0/avatar-circle-circular <path>
```

You can find more details about this breaking change in [the migration guide](#).

badge-overlap-value

Renames the badge's props.

```
-<Badge overlap="circle">
-<Badge overlap="rectangle">
+<Badge overlap="circular">
+<Badge overlap="rectangular">
<Badge classes={{
-  anchorOriginTopRightRectangle: 'className',
-  anchorOriginBottomRightRectangle: 'className',
-  anchorOriginTopLeftRectangle: 'className',
-  anchorOriginBottomLeftRectangle: 'className',
-  anchorOriginTopRightCircle: 'className',
-  anchorOriginBottomRightCircle: 'className',
-  anchorOriginTopLeftCircle: 'className',
+  anchorOriginTopRightRectangular: 'className',
+  anchorOriginBottomRightRectangular: 'className',
+  anchorOriginTopLeftRectangular: 'className',
+  anchorOriginBottomLeftRectangular: 'className',
+  anchorOriginTopRightCircular: 'className',
+  anchorOriginBottomRightCircular: 'className',
```

```
+ anchorOriginTopLeftCircular: 'className',  
}}>
```

```
npx @mui/codemod v5.0.0/badge-overlap-value <path>
```

You can find more details about this breaking change in [the migration guide](#).

box-borderradius-values

Updates the Box API from separate system props to `sx`.

```
-<Box borderRadius="borderRadius">  
-<Box borderRadius={16}>  
+<Box borderRadius={1}>  
+<Box borderRadius="16px">
```

```
npx @mui/codemod v5.0.0/box-borderradius-values <path>
```

You can find more details about this breaking change in [the migration guide](#).

box-rename-css

Renames the Box `css` prop to `sx`.

```
-<Box css={{ m: 2 }}>  
+<Box sx={{ m: 2 }}>
```

```
npx @mui/codemod v5.0.0/box-rename-css <path>
```

You can find more details about this breaking change in [the migration guide](#).

box-rename-gap

Renames the Box `grid*Gap` props.

```
-<Box gridGap={2}>Item 3</Box>  
-<Box gridColumnGap={3}>Item 4</Box>  
-<Box gridRowGap={4}>Item 5</Box>  
+<Box gap={2}>Item 3</Box>  
+<Box columnGap={3}>Item 4</Box>  
+<Box rowGap={4}>Item 5</Box>
```

```
npx @mui/codemod v5.0.0/box-rename-gap <path>
```

You can find more details about this breaking change in [the migration guide](#).

button-color-prop

Removes the outdated `color` prop values.

```
-<Button color="default">  
+<Button>
```

```
npx @mui/codemod v5.0.0/button-color-prop <path>
```

You can find more details about this breaking change in [the migration guide](#).

chip-variant-prop

Removes the Chip `variant` prop if the value is `"default"` .

```
-<Chip variant="default">  
+<Chip>
```

```
npx @mui/codemod v5.0.0/chip-variant-prop <path>
```

You can find more details about this breaking change in [the migration guide](#).

circularprogress-variant

Renames the CircularProgress `static` variant to `determinate` .

```
-<CircularProgress variant="static" classes={{ static: 'className' }} />  
+<CircularProgress variant="determinate" classes={{ determinate: 'className' }} />
```

```
npx @mui/codemod v5.0.0/circularprogress-variant <path>
```

You can find more details about this breaking change in [the migration guide](#).

collapse-rename-collapsedheight

Renames Collapse's `collapsedHeight` prop to `collapsedSize` .

```
-<Collapse collapsedHeight={40} />  
-<Collapse classes={{ container: 'collapse' }} />  
+<Collapse collapsedSize={40} />  
+<Collapse classes={{ root: 'collapse' }} />
```

```
npx @mui/codemod v5.0.0/collapse-rename-collapsedheight <path>
```

You can find more details about this breaking change in [the migration guide](#).

component-rename-prop

A generic codemod to rename any component prop.

```
-<Component prop="value" />
-<Component prop />
+<Component newProp="value" />
+<Component newProp />
```

```
npx @mui/codemod v5.0.0/component-rename-prop <path> -- --component=Grid --from=prop
--to=newProp
```

core-styles-import

Renames private import from `core/styles/*` to `core/styles`

```
-import { darken, lighten } from '@material-ui/core/styles/colorManipulator';
+import { darken, lighten } from '@material-ui/core/styles';
```

```
npx @mui/codemod v5.0.0/core-styles-import <path>
```

create-theme

Renames the function `createMuiTheme` to `createTheme`

```
-import { createMuiTheme } from '@material-ui/core/styles';
+import { createTheme } from '@material-ui/core/styles';
```

```
npx @mui/codemod v5.0.0/create-theme <path>
```

dialog-props

Remove `disableBackdropClick` prop from `<Dialog>`

```
-<Dialog disableBackdropClick />
+<Dialog />
```

```
npx @mui/codemod v5.0.0/dialog-props <path>
```

You can find more details about this breaking change in [the migration guide](#).

dialog-title-props

Remove `disableTypography` prop from `<DialogTitle>`

```
-<DialogTitle disableTypography />
+<DialogTitle />
```

```
npx @mui/codemod v5.0.0/dialog-title-props <path>
```

You can find more details about this breaking change in [the migration guide](#).

emotion-prepend-cache

Adds `prepend: true` to emotion `createCache`

```
const cache = emotionCreateCache({
  key: 'css',
  + prepend: true,
});
```

```
npx @mui/codemod v5.0.0/create-theme <path>
```

expansion-panel-component

Renames `ExpansionPanel*` to `Accordion*`

```
npx @mui/codemod v5.0.0/expansion-panel-component <path>
```

You can find more details about this breaking change in [the migration guide](#).

fab-variant

```
-<Fab variant="round" />
+<Fab variant="circular" />
```

```
npx @mui/codemod v5.0.0/fab-variant <path>
```

You can find more details about this breaking change in [the migration guide](#).

fade-rename-alpha

Renames the `fade` style utility import and calls to `alpha` .

```
-import { fade, lighten } from '@material-ui/core/styles';
+import { alpha, lighten } from '@material-ui/core/styles';

-const foo = fade('#aaa');
+const foo = alpha('#aaa');
```

```
npx @mui/codemod v5.0.0/fade-rename-alpha <path>
```

You can find more details about this breaking change in [the migration guide](#).

grid-justify-justifycontent

Renames `Grid`'s `justify` prop to `justifyContent` .


```
-<Grid justify="left">Item</Grid>
+<Grid item justifyContent="left">Item</Grid>
```

```
npx @mui/codemod v5.0.0/grid-justify-justifycontent <path>
```

You can find more details about this breaking change in [the migration guide](#).

grid-list-component

Renames `GridList*` to `ImageList*`

```
npx @mui/codemod v5.0.0/grid-list-component <path>
```

You can find more details about this breaking change in [the migration guide](#).

icon-button-size

Adds `size="large"` if `size` is not defined to get the same appearance as v4.

```
-<IconButton size="medium" />
-<IconButton />
+<IconButton size="medium" />
+<IconButton size="large" />
```

```
npx @mui/codemod v5.0.0/icon-button-size <path>
```

You can find more details about this breaking change in [the migration guide](#).

jss-to-styled

Replace JSS styling with `makeStyles` or `withStyles` to `styled` API.

```
import Typography from '@material-ui/core/Typography';
-import makeStyles from '@material-ui/styles/makeStyles';
+import { styled } from '@material-ui/core/styles';

-const useStyles = makeStyles((theme) => ({
-  root: {
-    display: 'flex',
-    alignItems: 'center',
-    backgroundColor: theme.palette.primary.main
-  },
-  cta: {
-    borderRadius: theme.shape.radius
-  },
-  content: {
-    color: theme.palette.common.white,
-    fontSize: 16,
-    lineHeight: 1.7
```

```

- },
- )))
+const PREFIX = 'MyCard';
+const classes = {
+  root: `${PREFIX}-root`,
+  cta: `${PREFIX}-cta`,
+  content: `${PREFIX}-content`,
+}
+const Root = styled('div')((theme) => ({
+  [`&.${classes.root}`]: {
+    display: 'flex',
+    alignItems: 'center',
+    backgroundColor: theme.palette.primary.main
+  },
+  [`&.${classes.cta}`]: {
+    borderRadius: theme.shape.radius
+  },
+  [`&.${classes.content}`]: {
+    color: theme.palette.common.white,
+    fontSize: 16,
+    lineHeight: 1.7
+  },
+}),
+)))

export const MyCard = () => {
  const classes = useStyles();
  return (
-   <div className={classes.root}>
+   <Root className={classes.root}>
      <Typography className={classes.content}>...</Typography>
      <Button className={classes.cta}>Go</Button>
+   </Root>
-   </div>
  )
}

```

```
npx @mui/codemod v5.0.0/jss-to-styled <path>
```

You can find more details about this breaking change in [the migration guide](#).

Note: This approach converts the first element in the return statement into styled component but also increases CSS specificity to override nested children. This codemod should be adopted after handling all breaking changes, [check out the migration documentation](#)

link-underline-hover

Apply `underline="hover"` to `<Link />` that does not define `underline` prop (to get the same behavior as in v4).

```

-<Link />
+<Link underline="hover" />

```

```
npx @mui/codemod v5.0.0/icon-button-size <path>
```

You can find more details about this breaking change in [the migration guide](#).

material-ui-styles

Moves JSS imports to `@material-ui/styles`

```
-import {  
-  createGenerateClassName,  
-  createStyles,  
-  jssPreset,  
-  makeStyles,  
-  ServerStyleSheets,  
-  useThemeVariants,  
-  withStyles,  
-  withTheme,  
-  ThemeProvider,  
-  styled,  
-  getStylesCreator,  
-  mergeClasses,  
-} from '@material-ui/core/styles';  
+import { ThemeProvider, styled } from '@material-ui/core/styles';  
+import createGenerateClassName from '@material-ui/styles/createGenerateClassName';  
+import createStyles from '@material-ui/styles/createStyles';  
+import jssPreset from '@material-ui/styles/jssPreset';  
+import makeStyles from '@material-ui/styles/makeStyles';  
+import ServerStyleSheets from '@material-ui/styles/ServerStyleSheets';  
+import useThemeVariants from '@material-ui/styles/useThemeVariants';  
+import withStyles from '@material-ui/styles/withStyles';  
+import withTheme from '@material-ui/styles/withTheme';  
+import getStylesCreator from '@material-ui/styles/getStylesCreator';  
import mergeClasses from '@material-ui/styles/mergeClasses';
```

```
npx @mui/codemod v5.0.0/material-ui-styles <path>
```

material-ui-types

Renames `Omit` import from `@material-ui/types` to `DistributiveOmit`

```
-import { Omit } from '@material-ui/types';  
+import { DistributiveOmit } from '@material-ui/types';
```

```
npx @mui/codemod v5.0.0/material-ui-types <path>
```

You can find more details about this breaking change in [the migration guide](#).

modal-props

Removes `disableBackdropClick` and `onEscapeKeyDown` from `<Modal>`

```
<Modal
- disableBackdropClick
- onEscapeKeyDown={handleEscapeKeyDown}
/>
```

```
npx @mui/codemod v5.0.0/modal-props <path>
```

You can find more details about this breaking change in [the migration guide](#).

moved-lab-modules

Updates all imports for `@material-ui/lab` components that have moved to `@material-ui/core`.

```
-import Skeleton from '@material-ui/lab/Skeleton';
+import Skeleton from '@material-ui/core/Skeleton';
```

or

```
-import { SpeedDial } from '@material-ui/lab';
+import { SpeedDial } from '@material-ui/core';
```

```
npx @mui/codemod v5.0.0/moved-lab-modules <path>
```

You can find more details about this breaking change in the migration guide.

- [Alert](#)
- [Autocomplete](#)
- [AvatarGroup](#)
- [Pagination](#)
- [Skeleton](#)
- [SpeedDial](#)
- [ToggleButton](#)

pagination-round-circular

Renames `Pagination*`'s `shape` values from 'round' to 'circular'.

```
-<Pagination shape="round" />
-<PaginationItem shape="round" />
+<Pagination shape="circular" />
+<PaginationItem shape="circular" />
```

```
npx @mui/codemod v5.0.0/pagination-round-circular <path>
```

You can find more details about this breaking change in [the migration guide](#).

optimal-imports

Fix private import paths.

```
-import red from '@material-ui/core/colors/red';
-import createTheme from '@material-ui/core/styles/createTheme';
+import { red } from '@material-ui/core/colors';
+import { createTheme } from '@material-ui/core/styles';
```

```
npx @mui/codemod v5.0.0/optimal-imports <path>
```

root-ref

Removes `RootRef` from the codebase.

```
npx @mui/codemod v5.0.0/root-ref <path>
```

You can find more details about this breaking change in [the migration guide](#).

skeleton-variant

```
-<Skeleton variant="circle" />
-<Skeleton variant="rect" />
+<Skeleton variant="circular" />
+<Skeleton variant="rectangular" />
```

```
npx @mui/codemod v5.0.0/skeleton-variant <path>
```

You can find more details about this breaking change in [the migration guide](#).

styled-engine-provider

Applies `StyledEngineProvider` to the files that contains `ThemeProvider`.

```
npx @mui/codemod v5.0.0/styled-engine-provider <path>
```

You can find more details about this breaking change in [the migration guide](#).

table-props

Renames props in `Table*` components.

```
-<>
- <TablePagination onChangeRowsPerPage={() => {}} onChangePage={() => {}} />
- <TablePagination classes={{ input: 'foo' }} />
- <Table padding="default" />
- <TableCell padding="default" />
-</>
+<>
```

```
+ <TablePagination onRowsPerPageChange={() => {}} onPageChange={() => {}} />
+ <TablePagination classes={{ select: 'foo' }} />
+ <Table padding="normal" />
+ <TableCell padding="normal" />
+</>
```

```
npx @mui/codemod v5.0.0/table-props <path>
```

You can find more details about this breaking change in [the migration guide](#).

tabs-scroll-buttons

Renames the `Tabs` 's `scrollButtons` prop values.

```
-<Tabs scrollButtons="on" />
-<Tabs scrollButtons="desktop" />
-<Tabs scrollButtons="off" />
+<Tabs scrollButtons allowScrollButtonsMobile />
+<Tabs scrollButtons />
+<Tabs scrollButtons={false} />
```

```
npx @mui/codemod v5.0.0/tabs-scroll-buttons <path>
```

You can find more details about this breaking change in [the migration guide](#).

textarea-minmax-rows

Renames `TextField` 's rows props.

```
-<TextField rowsMin={3} rowsMax={6} />
-<TextareaAutosize rows={2} />
-<TextareaAutosize rowsMin={3} rowsMax={6} />
+<TextField minRows={3} maxRows={6} />
+<TextareaAutosize minRows={2} />
+<TextareaAutosize minRows={3} maxRows={6} />
```

```
npx @mui/codemod v5.0.0/textarea-minmax-rows <path>
```

You can find more details about this breaking change in the migration guide.

- [TextareaAutosize](#)
- [TextField](#)

theme-augment

Adds `DefaultTheme` module augmentation to typescript projects.

```
npx @mui/codemod v5.0.0/theme-augment <path>
```

You can find more details about this breaking change in [the migration guide](#).

theme-breakpoints

Updates breakpoint values to match new logic. ⚠ This mod is not idempotent, it should be run only once.

```
-theme.breakpoints.down('sm')
-theme.breakpoints.between('sm', 'md')
+theme.breakpoints.down('md')
+theme.breakpoints.between('sm', 'lg')
```

```
npx @mui/codemod v5.0.0/theme-breakpoints <path>
```

You can find more details about this breaking change in [the migration guide](#).

theme-breakpoints-width

Renames `theme.breakpoints.width('md')` to `theme.breakpoints.values.md`.

```
npx @mui/codemod v5.0.0/theme-breakpoints-width <path>
```

You can find more details about this breaking change in [the migration guide](#).

theme-options

```
-import { ThemeOptions } from '@material-ui/core';
+import { DeprecatedThemeOptions } from '@material-ui/core';
```

```
npx @mui/codemod v5.0.0/theme-options <path>
```

theme-palette-mode

Renames `type` to `mode`.

```
- { palette: { type: 'dark' } }
+ { palette: { mode: 'dark' } }
-theme.palette.type === 'dark'
+theme.palette.mode === 'dark'
```

```
npx @mui/codemod v5.0.0/theme-palette-mode <path>
```

You can find more details about this breaking change in [the migration guide](#).

theme-provider

Renames `MuiThemeProvider` to `ThemeProvider`.

```
npx @mui/codemod v5.0.0/theme-provider <path>
```

You can find more details about this breaking change in [the migration guide](#).

theme-spacing

Removes the 'px' suffix from some template strings.

```
-`${theme.spacing(2)}px`  
-`${theme.spacing(2)}px ${theme.spacing(4)}px`  
+`${theme.spacing(2)}`  
+`${theme.spacing(2)} ${theme.spacing(4)}`
```

```
npx @mui/codemod v5.0.0/theme-spacing <path>
```

You can find more details about this breaking change in [the migration guide](#).

theme-typography-round

Renames `theme.typography.round($number)` to `Math.round($number * 1e5) / 1e5`.

```
-`${theme.typography.round($number)}`  
+`${Math.round($number * 1e5) / 1e5}`
```

```
npx @mui/codemod v5.0.0/theme-typography-round <path>
```

You can find more details about this breaking change in [the migration guide](#).

top-level-imports

Converts all `@mui/material` submodule imports to the root module:

```
-import List from '@mui/material/List';  
-import Grid from '@mui/material/Grid';  
+import { List, Grid } from '@mui/material';
```

```
npx @mui/codemod v5.0.0/top-level-imports <path>
```

Head to <https://mui.com/guides/minimizing-bundle-size/> to understand when it's useful.

transitions

Renames import `transitions` to `createTransitions`

```
npx @mui/codemod v5.0.0/transitions <path>
```

use-autocomplete

Renames `useAutocomplete` related import from lab to core


```
-import useAutocomplete from '@material-ui/lab/useAutocomplete';
+import useAutocomplete from '@material-ui/core/useAutocomplete';
```

```
npx @mui/codemod v5.0.0/use-autocomplete <path>
```

use-transitionprops

Updates Dialog, Menu, Popover, and Snackbar to use the `TransitionProps` prop to replace the `onEnter*` and `onExit*` props.

```
<Dialog
-  onEnter={onEnter}
-  onEntered={onEntered}
-  onEntering={onEntering}
-  onExit={onExit}
-  onExited={onExited}
-  onExiting={onExiting}
+  TransitionProps={{
+    onEnter,
+    onEntered,
+    onEntering,
+    onExit,
+    onExited,
+    onExiting,
+  }}
/>
```

```
npx @mui/codemod v5.0.0/use-transitionprops <path>
```

You can find more details about this breaking change in [the migration guide](#).

variant-prop

Don't run this codemod if you already set `variant` to `outlined` or `filled` in theme default props.

Adds the TextField, Select, and FormControl's `variant="standard"` prop when `variant` is undefined. The diff should look like this:

```
-<TextField value="Standard" />
+<TextField value="Standard" variant="standard" />
```

```
-<Select value="Standard" />
+<Select value="Standard" variant="standard" />
```

```
-<FormControl value="Standard" />
+<FormControl value="Standard" variant="standard" />
```

```
npx @mui/codemod v5.0.0/variant-prop <path>
```

with-mobile-dialog

Removes imported `withMobileDialog`, and inserts hardcoded version to prevent application crash.

```
- import withMobileDialog from '@material-ui/core/withMobileDialog';  
+ // FIXME checkout https://mui.com/guides/migration-v4/#dialog  
+ const withMobileDialog = () => (WrappedComponent) => (props) => <WrappedComponent  
  {...props} width="lg" fullScreen={false} />;
```

```
npx @mui/codemod v5.0.0/with-mobile-dialog <path>
```

You can find more details about this breaking change in [the migration guide](#).

with-width

Removes `withWidth` import, and inserts hardcoded version to prevent application crash.

```
- import withWidth from '@material-ui/core/withWidth';  
+ // FIXME checkout https://mui.com/components/use-media-query/#migrating-from-  
  withwidth  
+ const withWidth = () => (WrappedComponent) => (props) => <WrappedComponent  
  {...props} width="xs" />;
```

```
npx @mui/codemod v5.0.0/with-width <path>
```

You can find more details about this breaking change in [the migration guide](#).

mui-replace

Replace every occurrence of `material-ui` related package with the new package names (listed below) except these packages (`@material-ui/pickers`, `@material-ui/data-grid`, `@material-ui/x-grid` & `@material-ui/x-grid-data-generator`). [More details about why package names are changed](#)

Material Design components

```
-import Alert from '@material-ui/core/Alert';  
+import Alert from '@mui/material/Alert';
```

JSS styles package

```
-import { makeStyles } from '@material-ui/styles';  
+import { makeStyles } from '@mui/styles';
```

System package

```
-import { SxProps } from '@material-ui/system';  
+import { SxProps } from '@mui/system';
```

Utilities package

```
-import { deepmerge } from '@material-ui/utils';  
+import { deepmerge } from '@mui/utils';
```

Lab

```
-import Mansory from '@material-ui/lab/Mansory';  
+import Mansory from '@mui/lab/Mansory';
```

Dependencies

```
// package.json  
-"@material-ui/core": "next",  
-"@material-ui/icons": "next",  
-"@material-ui/lab": "next",  
-"@material-ui/unstyled": "next",  
-"@material-ui/styled-engine-sc": "next",  
+"@mui/material": "next",  
+"@mui/icons-material": "next",  
+"@mui/lab": "next",  
+"@mui/base": "next",  
+"@mui/styled-engine-sc": "next",
```

```
npx @mui/codemod v5.0.0/mui-replace <path>
```

You can find more details about this breaking change in [the migration guide](#).

v4.0.0

theme-spacing-api

Updates the `theme-spacing-api` from `theme.spacing.unit x` to `theme.spacing(x)`. The diff should look like this:

```
-const spacing = theme.spacing.unit;  
+const spacing = theme.spacing(1);
```

```
npx @mui/codemod v4.0.0/theme-spacing-api <path>
```

This codemod tries to perform a basic expression simplification which can be improved for expressions that use more than one operation.

```
-const spacing = theme.spacing.unit / 5;
+const spacing = theme.spacing(0.2);

// Limitation
-const spacing = theme.spacing.unit * 5 * 5;
+const spacing = theme.spacing(5) * 5;
```

optimal-imports

Converts all `@material-ui/core` imports more than 1 level deep to the optimal form for tree shaking:

```
-import withStyles from '@material-ui/core/styles/withStyles';
-import createTheme from '@material-ui/core/styles/createTheme';
+import { withStyles, createTheme } from '@material-ui/core/styles';
```

```
npx @mui/codemod v4.0.0/optimal-imports <path>
```

Head to <https://mui.com/guides/minimizing-bundle-size/> to understand when it's useful.

top-level-imports

Converts all `@material-ui/core` submodule imports to the root module:

```
-import List from '@material-ui/core/List';
-import { withStyles } from '@material-ui/core/styles';
+import { List, withStyles } from '@material-ui/core';
```

```
npx @mui/codemod v4.0.0/top-level-imports <path>
```

Head to <https://mui.com/guides/minimizing-bundle-size/> to understand when it's useful.

v1.0.0

import-path

Updates the `import-paths` for the new location of the components. MUI v1.0.0 flatten the import paths. The diff should look like this:

```
-import { MenuItem } from '@material-ui/core/Menu';
+import MenuItem from '@material-ui/core/MenuItem';
```

```
npx @mui/codemod v1.0.0/import-path <path>
```

Notice: if you are migrating from pre-v1.0, and your imports use `material-ui`, you will need to manually find and replace all references to `material-ui` in your code to `@material-ui/core`. E.g.:

```
-import Typography from 'material-ui/Typography';  
+import Typography from '@material-ui/core/Typography';
```

Subsequently, you can run the above `find ...` command to flatten your imports.

color-imports

Updates the `color-imports` for the new location of MUI color palettes. The diff should look like this:

```
-import { blue, teal500 } from 'material-ui/styles/colors';  
+import blue from '@material-ui/core/colors/blue';  
+import teal from '@material-ui/core/colors/teal';  
+const teal500 = teal['500'];
```

```
npx @mui/codemod v1.0.0/color-imports <path>
```

additional options

```
npx @mui/codemod v1.0.0/color-imports <path> -- --importPath='mui/styles/colors' --  
targetPath='mui/colors'
```

svg-icon-imports

Updates the `svg-icons` import paths from `material-ui/svg-icons/<category>/<icon-name>` to `@material-ui/icons/<IconName>`, to use the new `@material-ui/icons` package. The diff should look like this:

```
-import AccessAlarmIcon from 'material-ui/svg-icons/device/AccessAlarm';  
-import ThreeDRotation from 'material-ui/svg-icons/action/ThreeDRotation';  
+import AccessAlarmIcon from '@material-ui/icons/AccessAlarm';  
+import ThreeDRotation from '@material-ui/icons/ThreeDRotation';
```

```
npx @mui/codemod v1.0.0/svg-icon-imports <path>
```

menu-item-primary-text

Updates `MenuItem` with `primaryText` property making its value tag's child. The diff should look like this:

```
-<MenuItem primaryText="Profile" />  
-<MenuItem primaryText={"Profile" + "!"} />  
+<MenuItem>Profile</MenuItem>  
+<MenuItem>{"Profile" + "!"}</MenuItem>
```

```
npx @mui/codemod v1.0.0/menu-item-primary-text <path>
```

v0.15.0

`import-path`

Updates the `import-paths` for the new location of the components. MUI v0.15.0 is reorganizing the folder distribution of the project. The diff should look like this:

```
// From the source
-import FlatButton from 'material-ui/src/flat-button';
+import FlatButton from 'material-ui/src/FlatButton';

// From npm
-import RaisedButton from 'material-ui/lib/raised-button';
+import RaisedButton from 'material-ui/RaisedButton';
```

```
npx @mui/codemod v0.15.0/import-path <path>
```