

# AdvTextField

The AdvTextField `struct` represents a custom text field view in SwiftUI. It provides various features such as secure text entry, label customization, placeholder text, undo and clear buttons, focus management, and formatting options. This component is available starting from macOS 14.0 and iOS 17.0.

## Example Code

```
public init(value: Binding<T> = Binding.constant(T()),
            subType: SubDataType = .none,
            label: String = "",
            help: String = "",
            image: ImageType = .none,
            labelPosition: LabelPosition = .topLeading,
            placeholder: String = "",
            options: IFormaterOptions? = nil,
            showUndoImage: Bool = true,
            showClearImage: Bool = true,
            hasFocus: Bool = false,
            showFrame: Bool = true,
            colorMode: ColorModeEnum = .light,
            defaultWidth: CGFloat = 300,
            doValidate: Bool = true)
```

## Parameters:

- `value`: A binding to the data value represented by the text field.
- `subType`: The subtype of the text field, such as secure text entry.
- `label`: The label text displayed above the text field.
- `help`: Additional information or guidance related to the text field.
- `image`: The image type associated with the text field.
- `labelPosition`: The position of the label relative to the text field.
- `placeholder`: The placeholder text displayed when the text field is empty.
- `options`: Additional formatting options for the text field.
- `showUndoImage`: A boolean flag indicating whether to show the undo button.
- `showClearImage`: A boolean flag indicating whether to show the clear button.
- `hasFocus`: A boolean flag indicating whether the text field should have focus initially.
- `showFrame`: A boolean flag indicating whether to display a frame around the text field.
- `colorMode`: The color mode for the text field, either light or dark.
- `defaultWidth`: The default width of the text field.
- `doValidate`: A boolean flag indicating whether to perform validation on the text field.

## Example Usage

```
AdvTextField(value: $text, label: "Username",  
             placeholder: "Enter your username",  
             showUndoImage: true, showClearImage: true)
```

```
let textField = AdvTextField(value: $text, label: "Username",  
                             placeholder: "Enter your username",  
                             showUndoImage: true, showClearImage: true)
```