

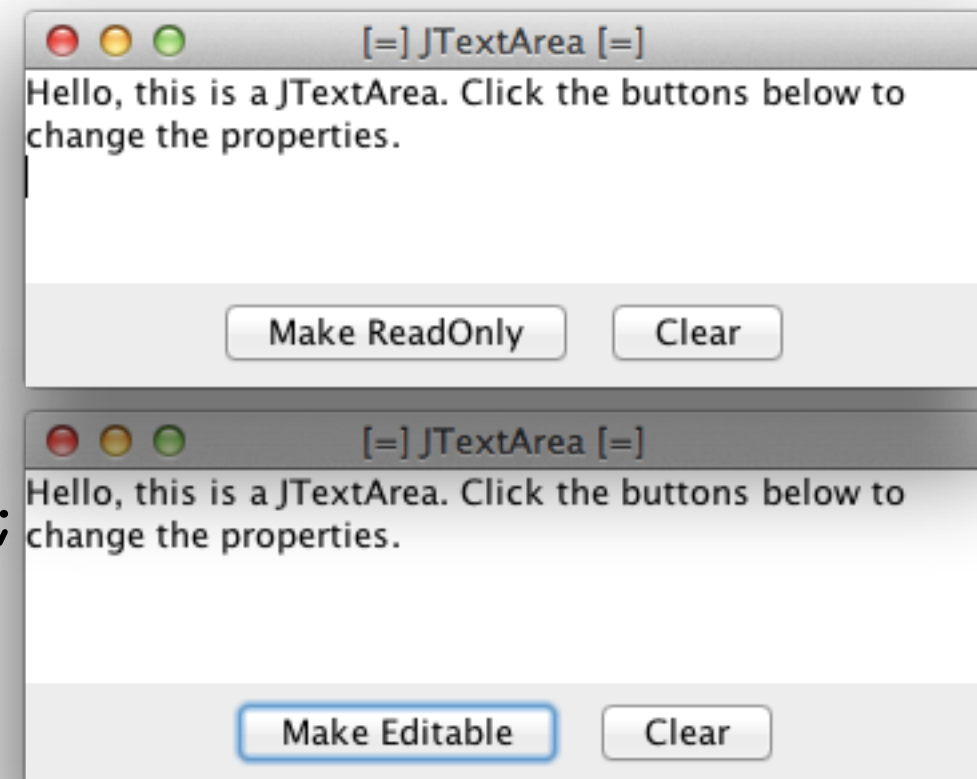
# JTextArea

```
public class TextAreaExample extends JFrame implements ActionListener {
```

```
    JTextArea textArea;  
    JButton readOnlyButton, clearButton;
```

```
    ...  
    private void initGUI() {  
        ...  
        textArea = new JTextArea(5, 30);  
        textArea.setEditable(true);  
        textArea.setLineWrap(true);  
        textArea.setWrapStyleWord(true);  
        mainPanel.add(textArea, BorderLayout.CENTER);  
        ...  
    }
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```
    public void actionPerformed(ActionEvent e) {  
        if ( e.getSource() == clearButton ) {  
            textArea.setText("");  
        } else if ( e.getSource() == readOnlyButton ) {  
            boolean editable = textArea.isEditable();  
            textArea.setEditable(!editable);  
            if (editable)  
                readOnlyButton.setText("Make Editable");  
            else  
                readOnlyButton.setText("Make Read Only");  
        }  
    }  
}
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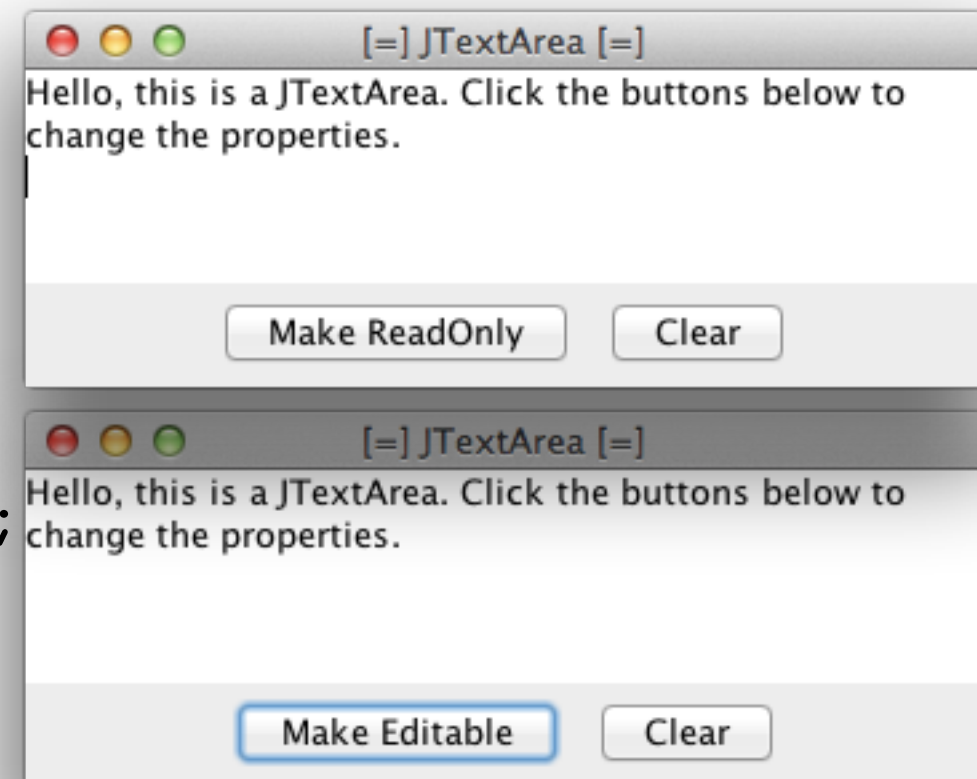
see: [examples.swing.misc.TextAreaExample](#)

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see: [examples.swing.misc.TextAreaExample](#)

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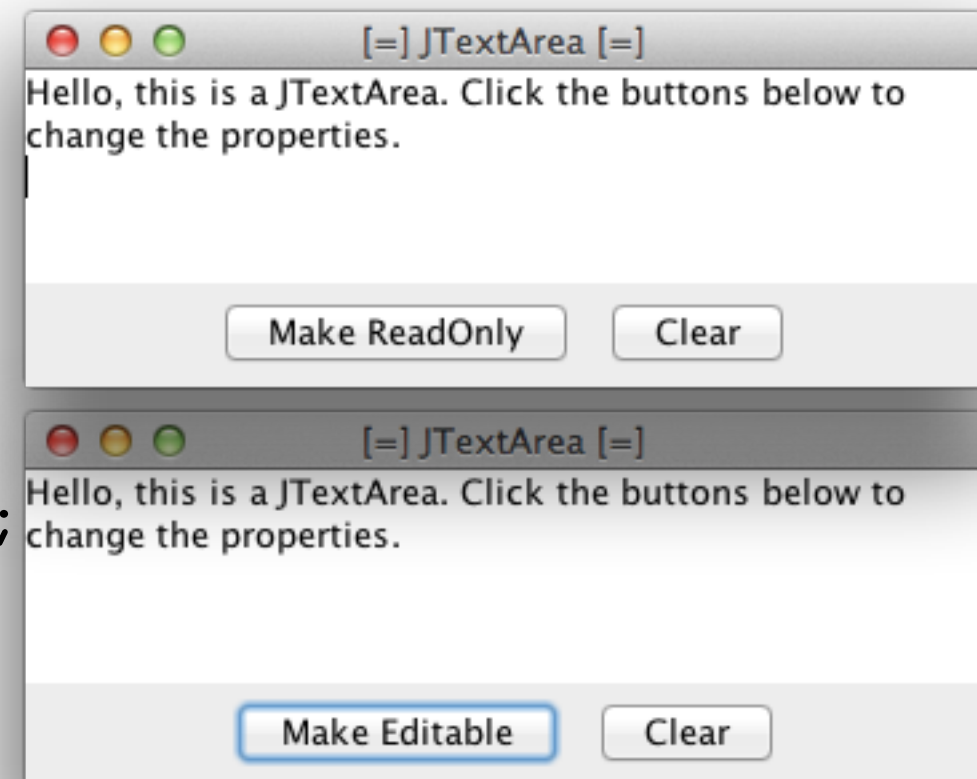
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see: [examples.swing.misc.TextAreaExample](#)

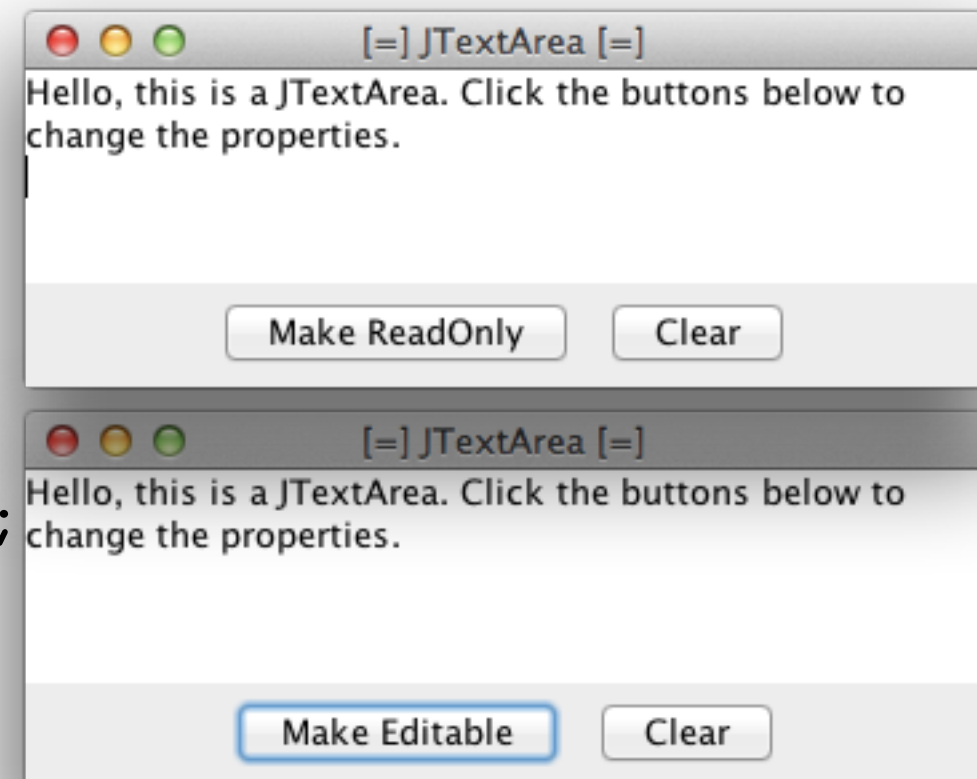
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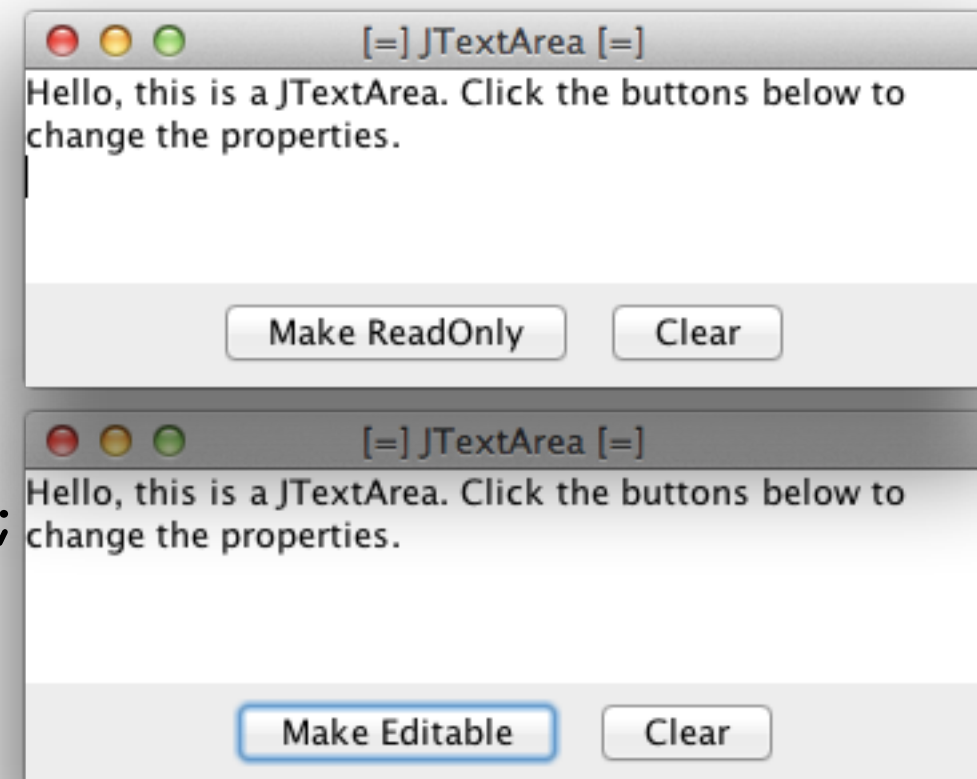
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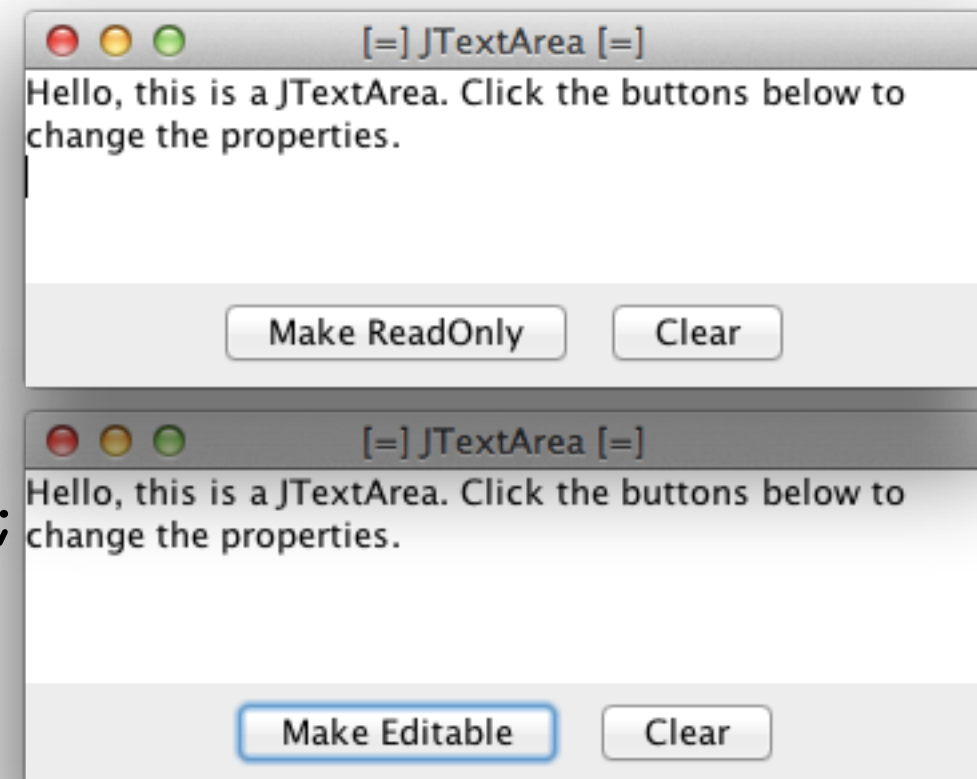
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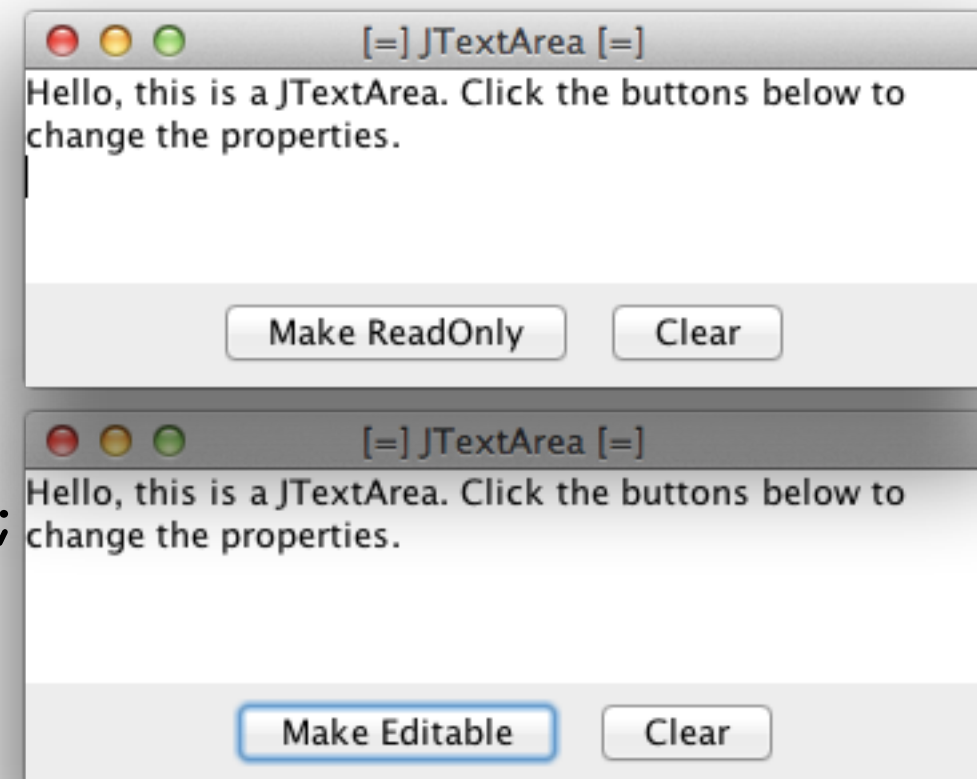
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see: [examples.swing.misc.TextAreaExample](#)

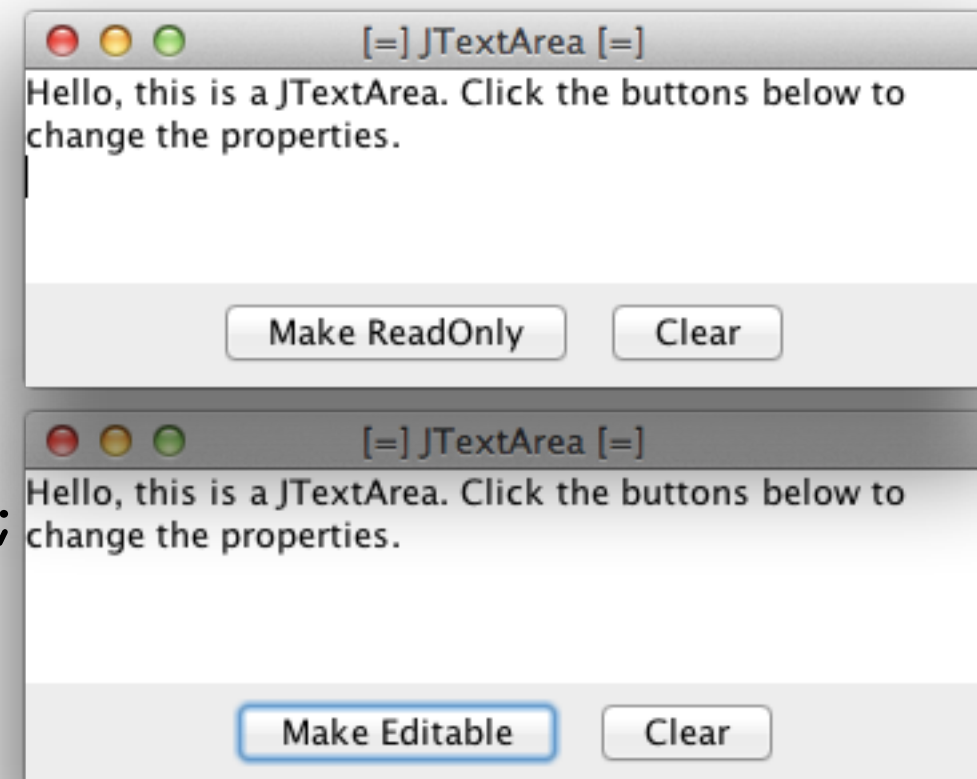
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see: [examples.swing.misc.TextAreaExample](#)



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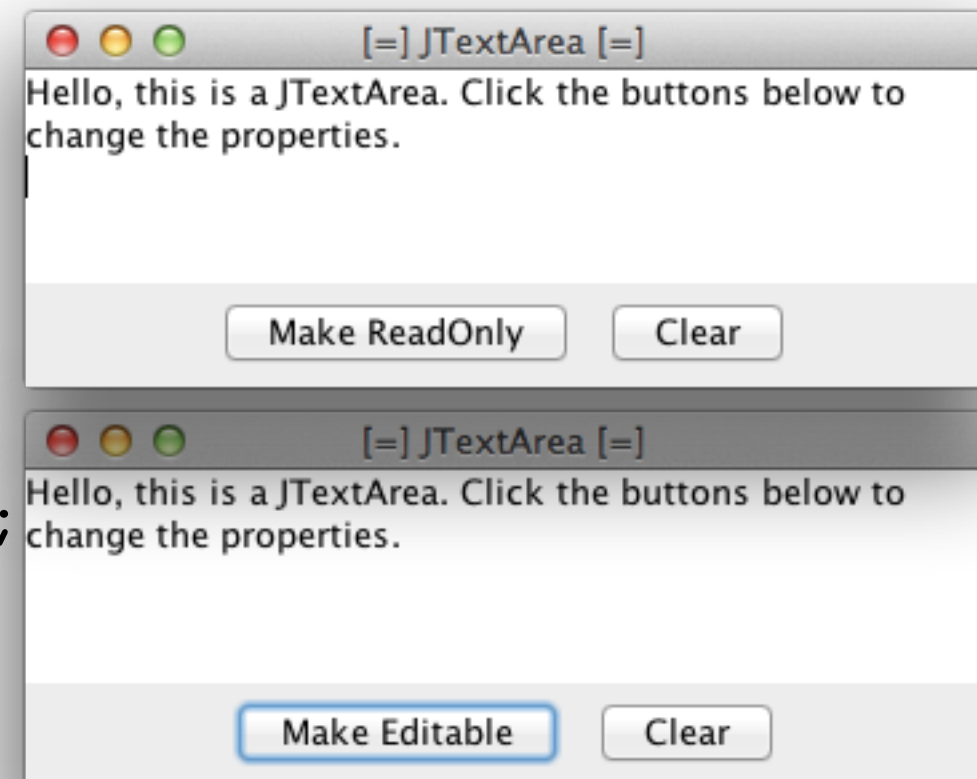
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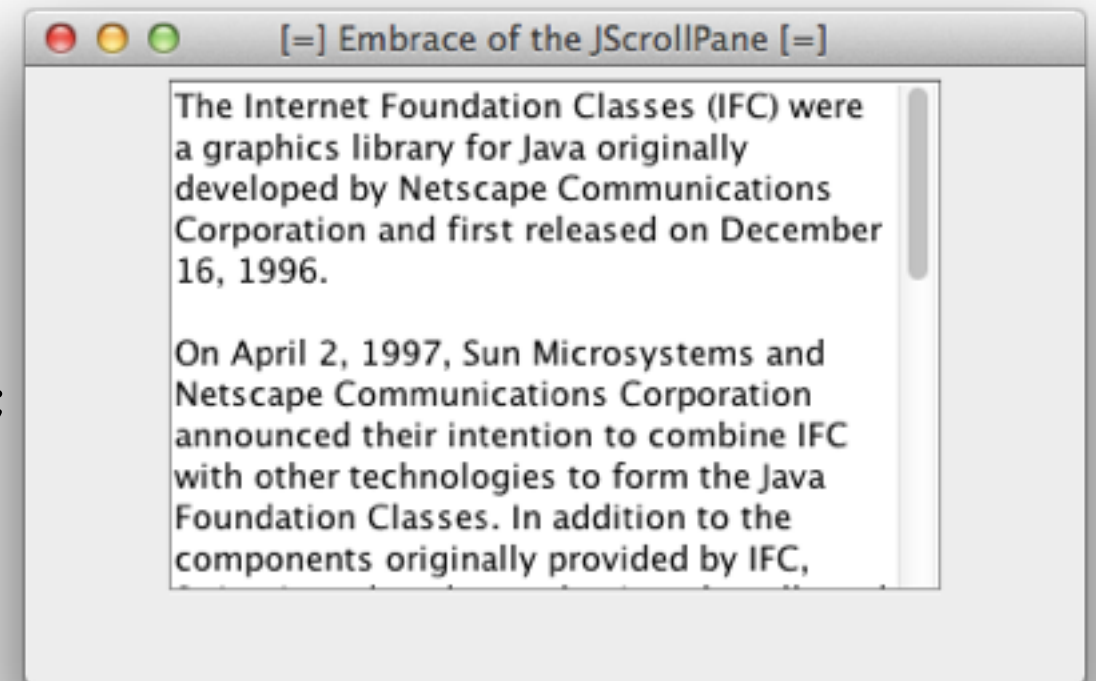
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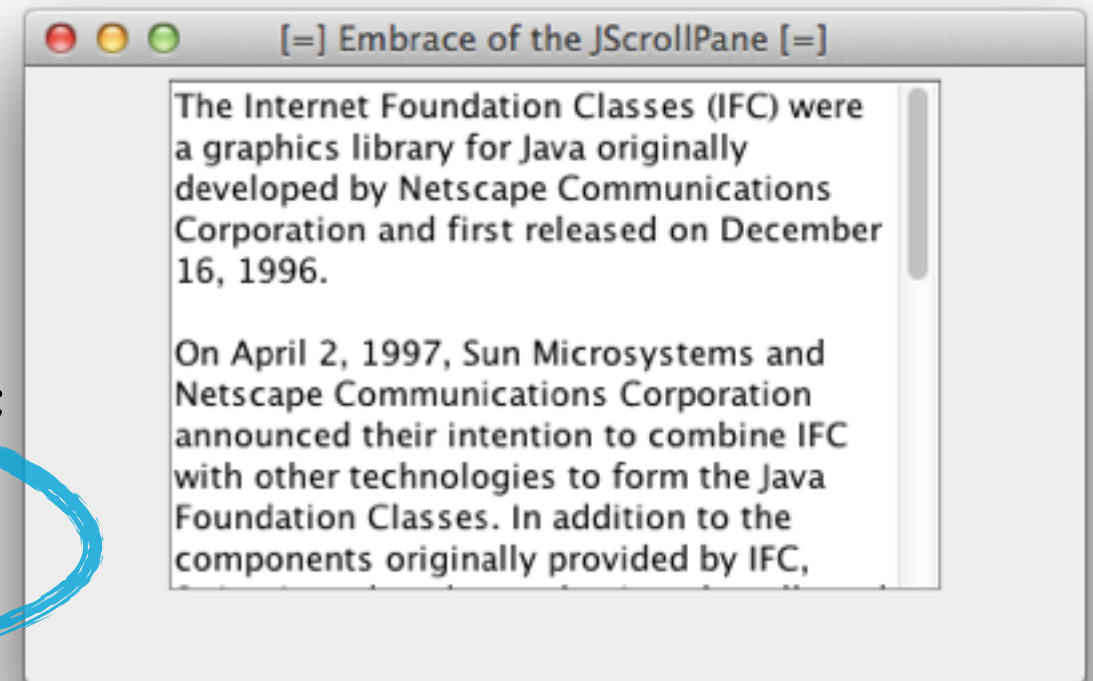
# JScrollPane

```
private void initGUI () {  
    ...  
    String story = "The ....";  
  
    JTextArea storyArea = new JTextArea(story);  
    storyArea.setEditable(false);  
    storyArea.setLineWrap(true);  
    storyArea.setWrapStyleWord(true);  
  
    JScrollPane area =  
        new JScrollPane(storyArea,  
                        JScrollPane.VERTICAL_SCROLLBAR_AS_NEEDED,  
                        JScrollPane.HORIZONTAL_SCROLLBAR_AS_NEEDED);  
  
    area.setPreferredSize(new Dimension(300, 200));  
    mainPanel.add(area);  
  
}
```



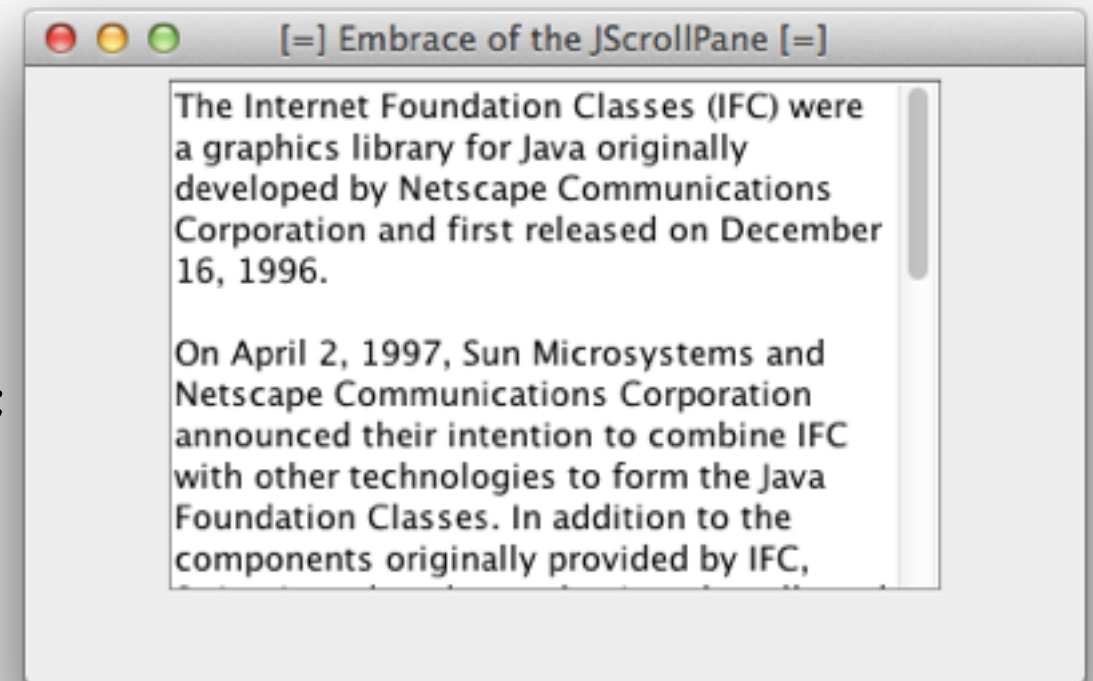
# JScrollPane

```
private void initGUI () {  
    ...  
    String story = "The ....";  
    JTextArea storyArea = new JTextArea(story);  
    storyArea.setEditable(false);  
    storyArea.setLineWrap(true);  
    storyArea.setWrapStyleWord(true);  
    JScrollPane area =  
        new JScrollPane(storyArea,  
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                        JScrollPane.HORIZONTAL_SCROLLBAR_AS_NEEDED);  
    area.setPreferredSize(new Dimension(300, 200));  
    mainPanel.add(area);  
}
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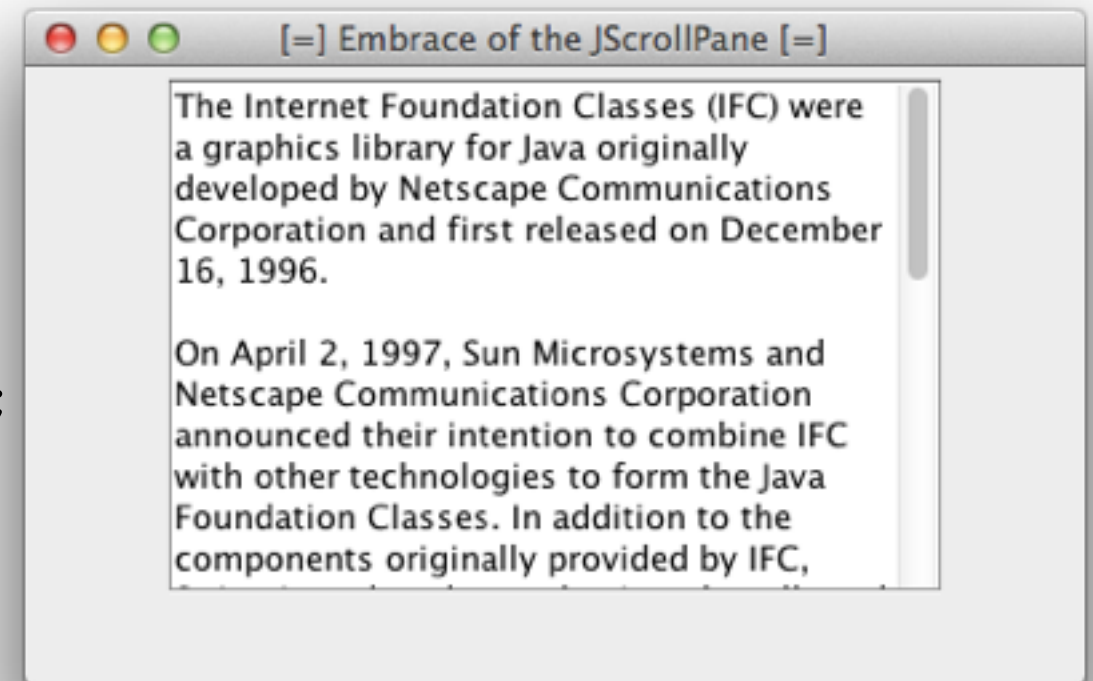
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JScrollPane.VERTICAL_SCROLLBAR_AS_NEEDED  
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JScrollPane.HORIZONTAL_SCROLLBAR_ALWAYS  
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see: [examples.swing.misc.ScrollPaneExample](#)