

# Hello World e4 Application – Part 5

## Selection Propagation between Parts

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This section teaches how to propagate selection from 1 Part to another Part.

1. Earlier in 3x this was achieved using registering Selection Provider and Selection Listener
2. Now it is achieved using @Inject annotation
3. Select the view that is going to act as SelectionProvider
4. In that view at class level declare @Inject ESelectionService selectionService as shown below

```
@Inject  
ESelectionService selectionService;
```

5. Then implement selectionChangeListener on the available Jface Viewer as shown below

```
treeViewer.addSelectionChangedListener(new ISelectionChangedListener() {  
  
    @Override  
    public void selectionChanged(SelectionChangedEvent event) {  
        selectionService.setSelection(event.getSelection());  
    }  
});
```

6. Now the view which needs to behave like a Selection Listener and @Inject setSelection method

```
@Inject  
public void setSelection(@Named(IServiceConstants.ACTIVE_SELECTION) @Optional ISelection selection) {  
    if(selection instanceof IStructuredSelection) {  
        IStructuredSelection sSelection = (IStructuredSelection)selection;  
        System.out.println(sSelection.getFirstElement());  
    }  
}
```

7. Run your code and selection from 1 Part should be broadcast ed to another view.