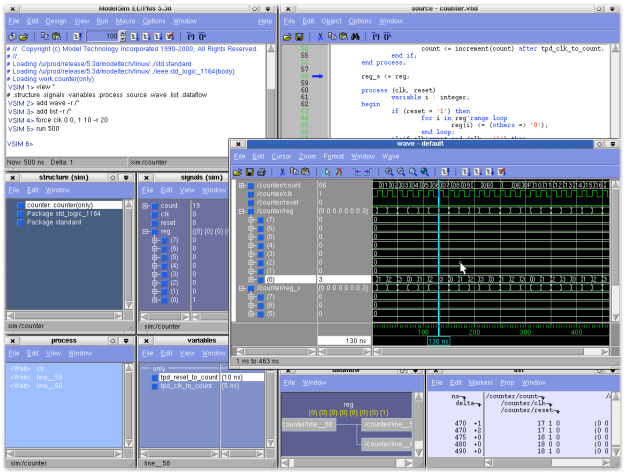
The MTI Panemanager Widget

A 2-D paned window
for a user configurable U/I

Brian Griffin

Mentor Graphics®

Too many independent windows



ModelSim 5.3d - February 2000

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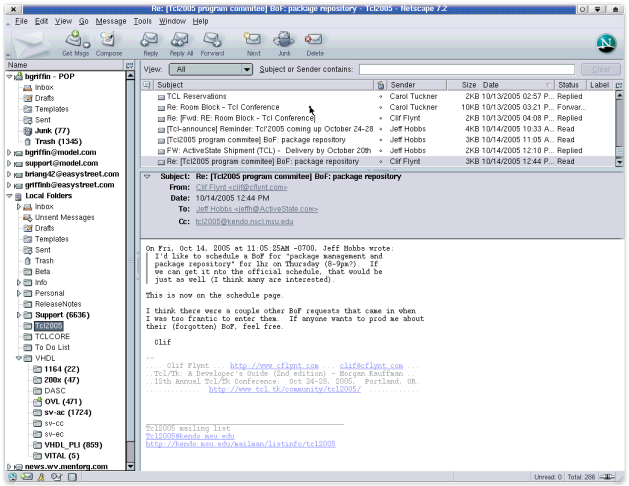
Common 3-pane view



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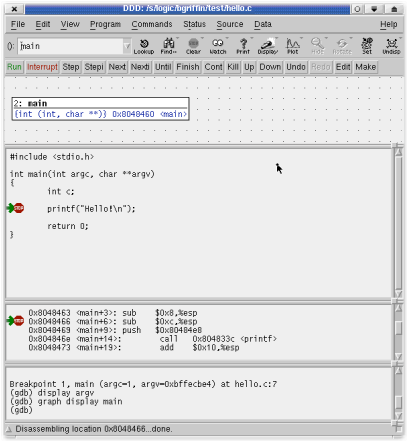
DDD



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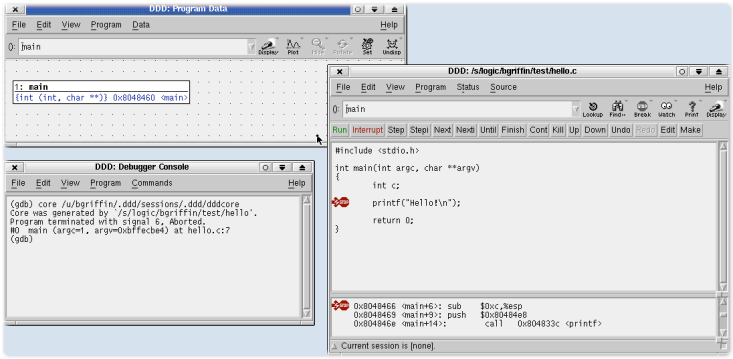
DDD w/Separate Windows



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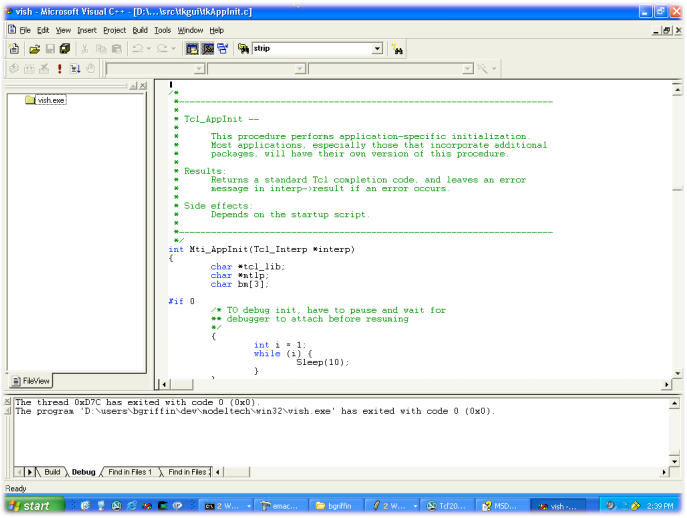
Microsoft's Visual Studio®



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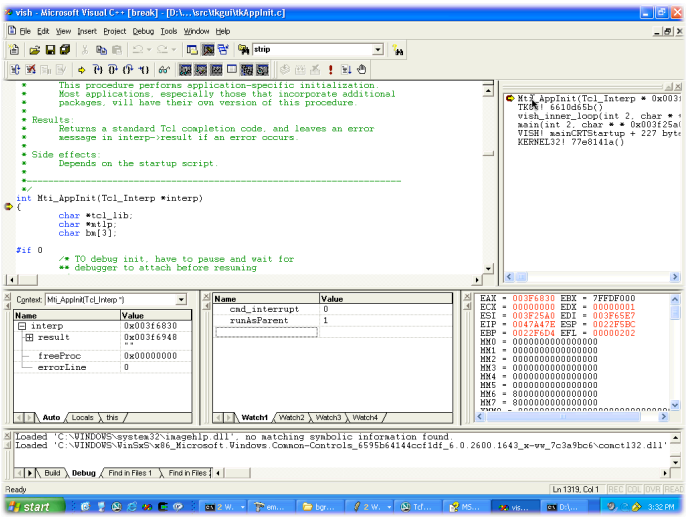
Debugger View



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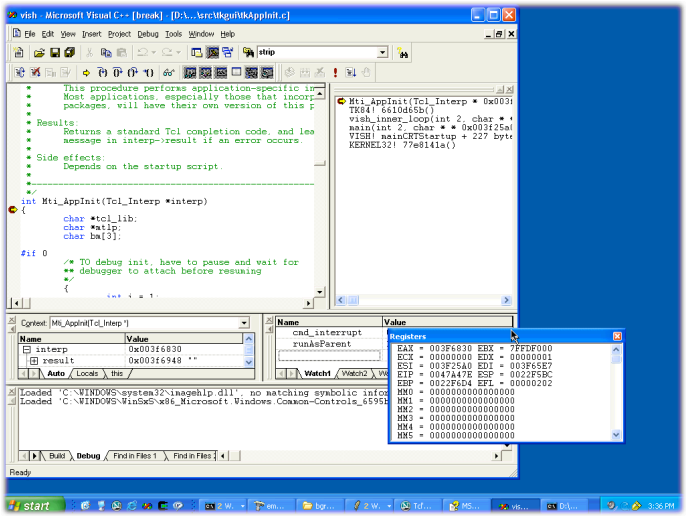
Undocked Window



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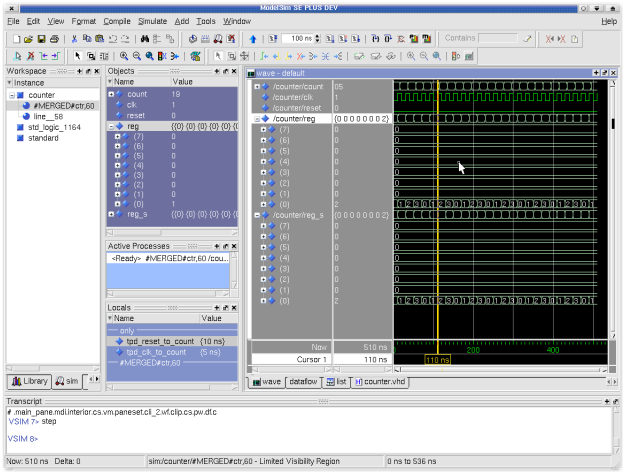
Application with Panemanager



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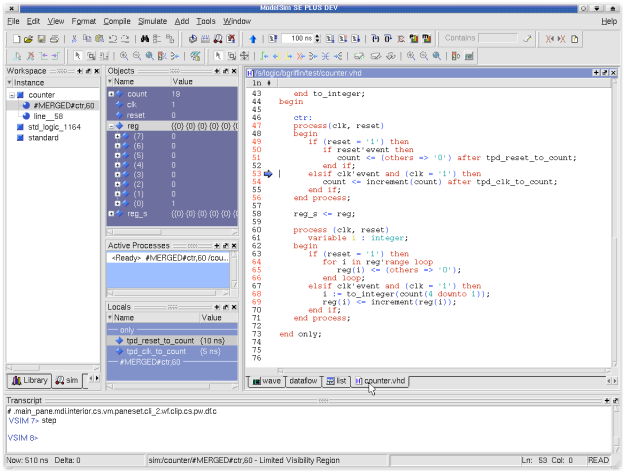
Tabbed MDI



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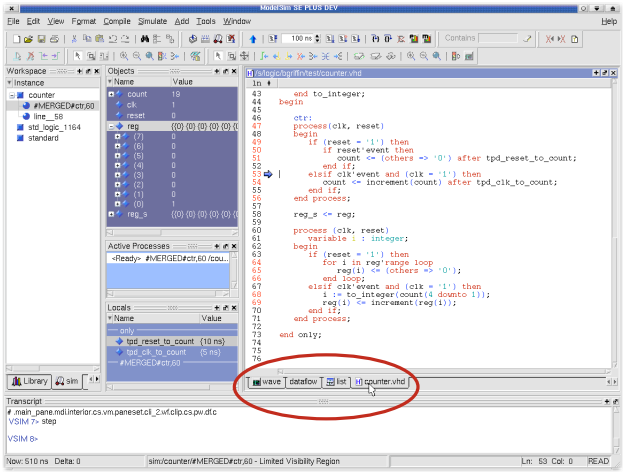

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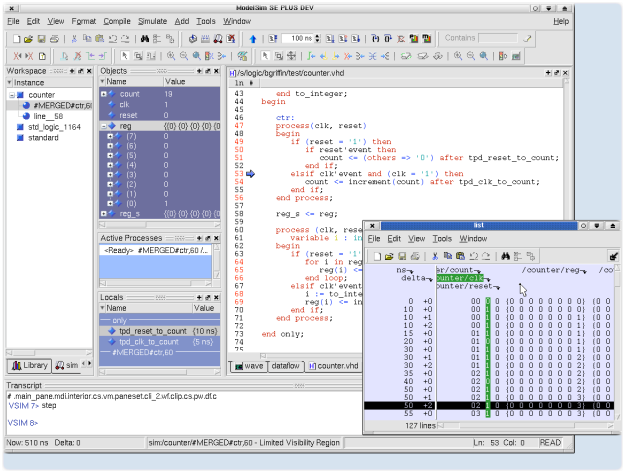
Undocked Window



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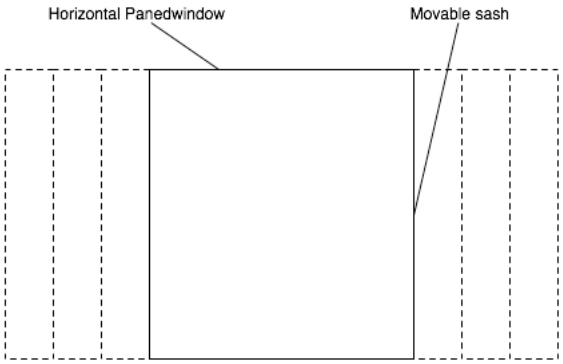
Tk Panedwindow



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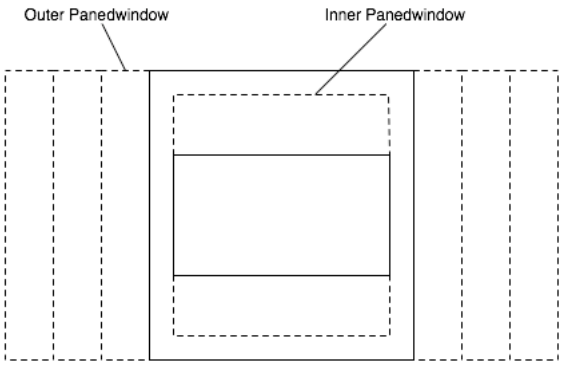
Nested Panedwindows



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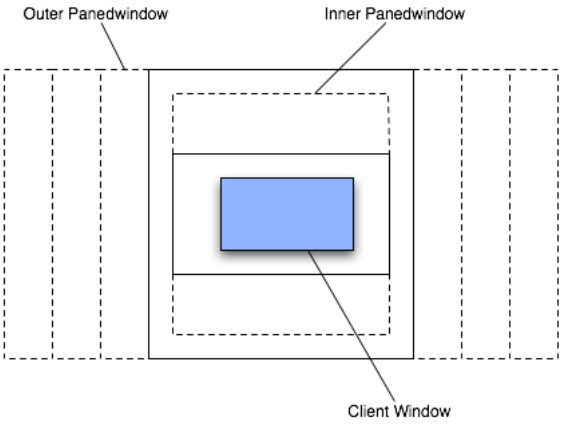
Just add client



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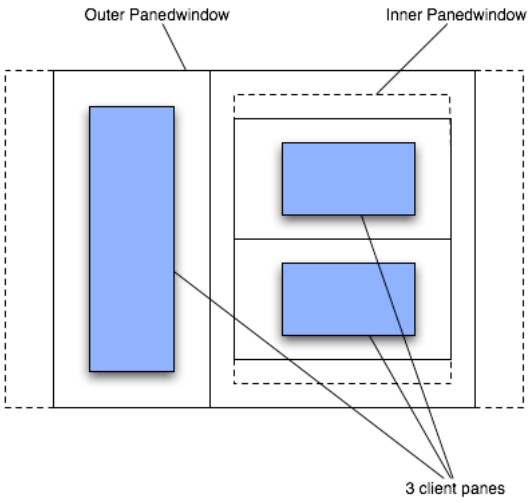
3 pane view



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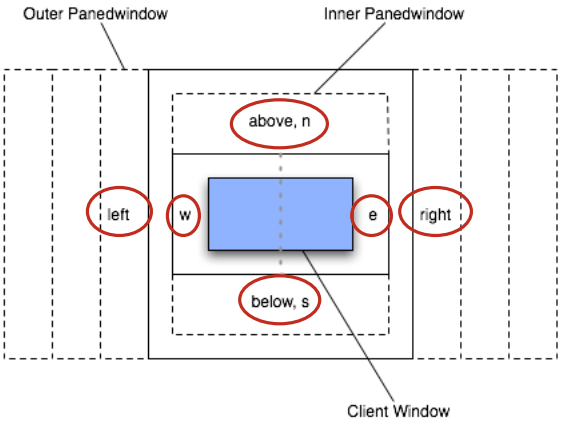
6 insert locations

pathName **add** *window* *target* *where* *?args...?*



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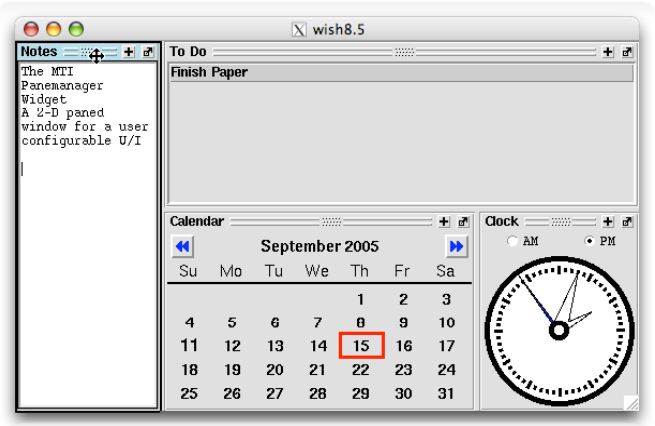
Drag & Drop Panes



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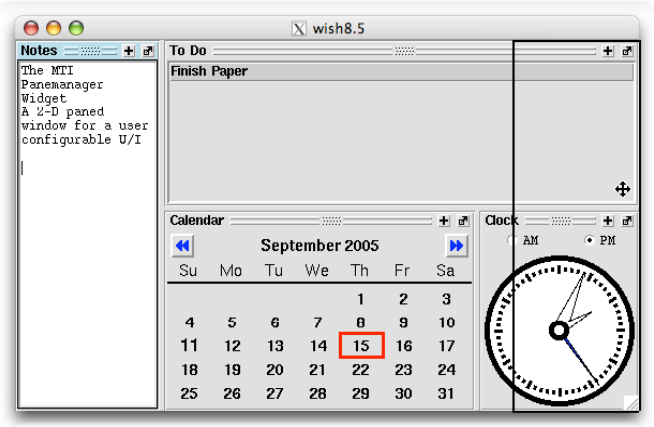
Drag & Drop Panes



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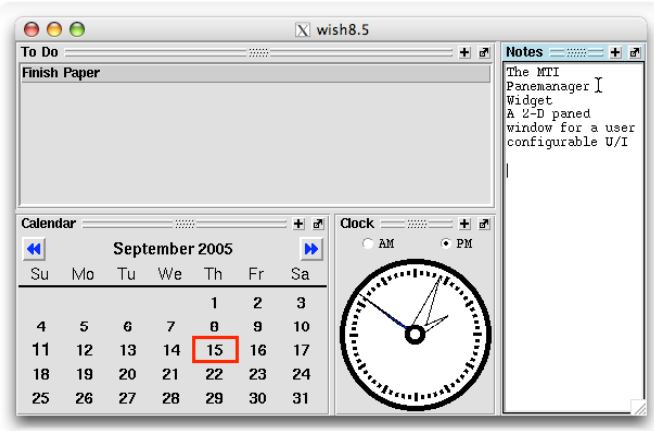
Drag & Drop Panes



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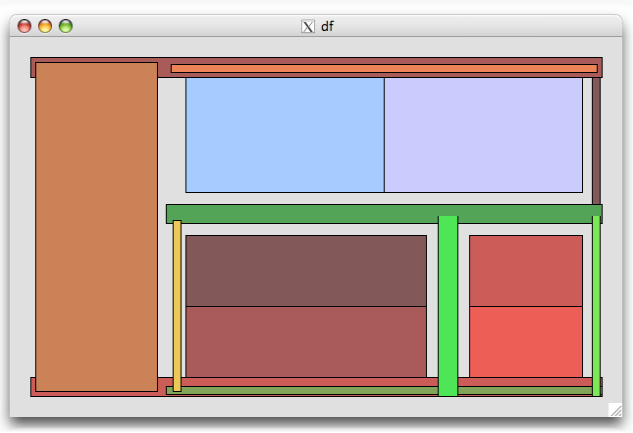
Drag map



Each rectangle represents a drop zone

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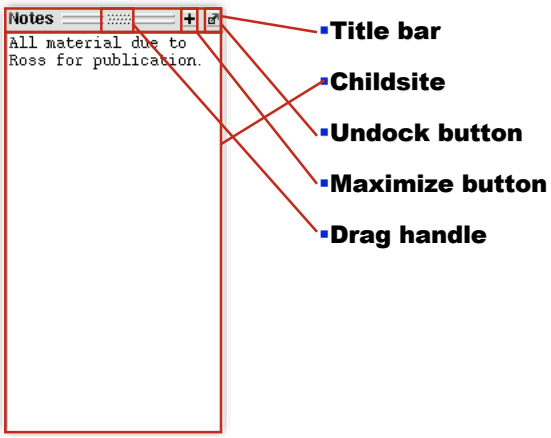
Paneframe widget



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Serialized layout

- Save & restore layout information
- Layout info strored in a list containing:
  - Window name
  - Configure options
  - Size & location (including docked/undocked state)
- List is nested to represent nested Panedwindows

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Example layout

```
horizontal {
  {
    .mp.f2 {-minsize 40 -stretch never} 157 na
    {
      .mp.f3 {-minsize 40} 292 na
      .mp.f4 {-minsize 40} 444 na
    } {-minsize 40 -stretch always} 345 na
  } {-minsize 40 -stretch always} 446 na
  .mp.f1 {-minsize 40 -stretch always} 582 na
}
```

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Corner drag
2-d resize

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Related TIPs

- #125: Converting between Frame and Toplevel Windows **`[wm manage]`**
  - State: Draft
- #177: Add **`-stretch`** Option to panedwindow Widget
  - State: Final
- #179: Add **`-hide`** Option to panedwindow Widget
  - State: Final

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