

Projector: Your Remote IDE

Pasha Finkelshteyn, JetBrains

Did you ever complain?

- You need to set up a VPN to access data?
- You need to use RDP to access your instance of IDEA?
- Or even VNC?
- *Long* indexing?
- Huge project compiles forever?



Did you ever want?

- Edit code from tablet/smartphone?
- Help your colleague to fix some issues?
- Show demo which accesses data from your cloud?
- Work from a weak laptop?





PJ

Issues with existing solutions. VPN

1. OpenVPN does not scale
 1. No central identity management
 2. No failover OOTB
2. Proprietary solutions are... proprietary
3. And expensive sometimes
4. IKE is not completely cross-platform

Issues with existing solutions. VNC

1. **Extremely** slow
2. Complex infrastructure (VPN?)

Issues with existing solutions. RDP

RDP is awesome

1. Single-user
2. Requires special client
3. Still needs complex infrastructure to provide access

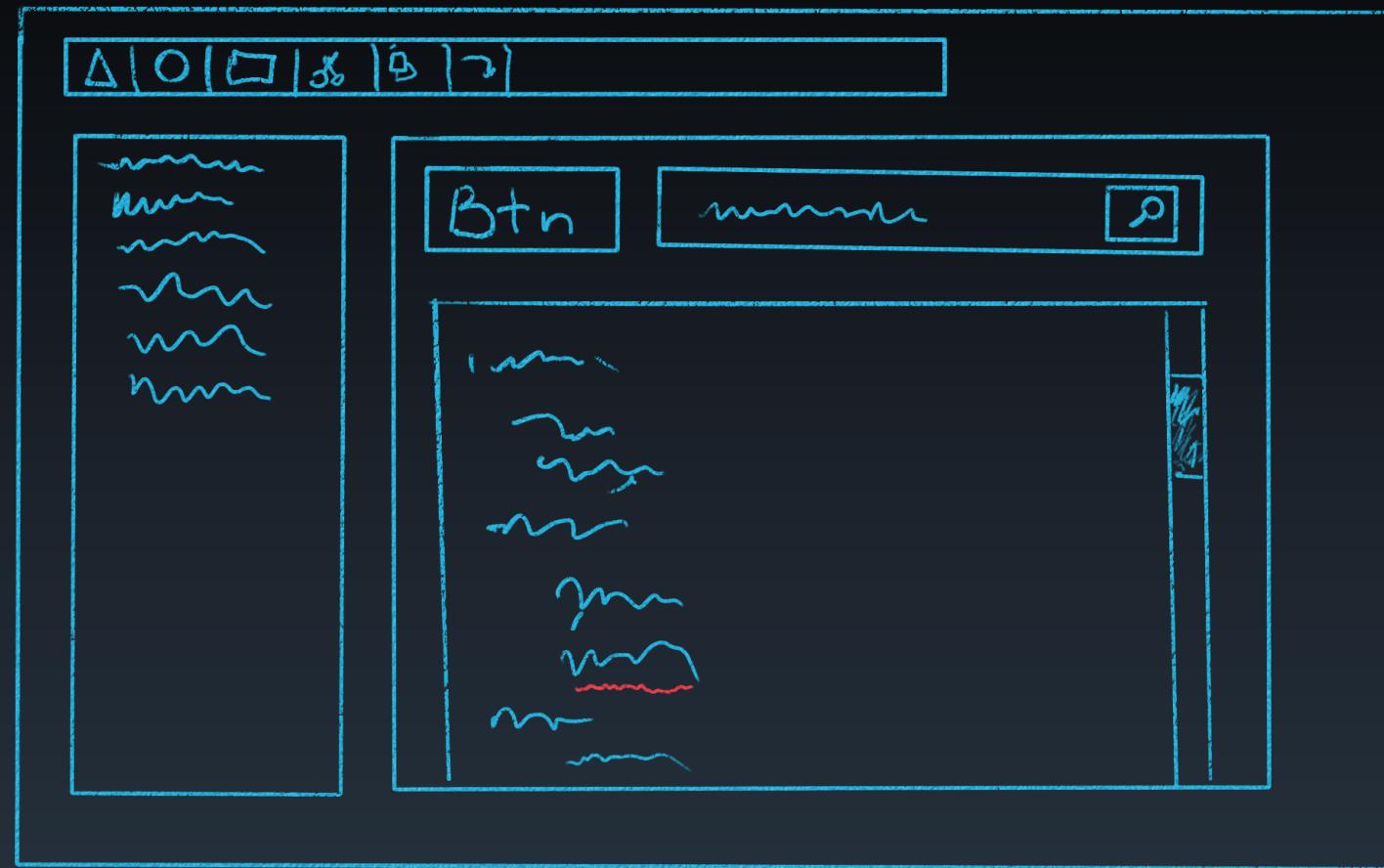
Stop this

MARKETING

Let's dig!



Usual Swing interface

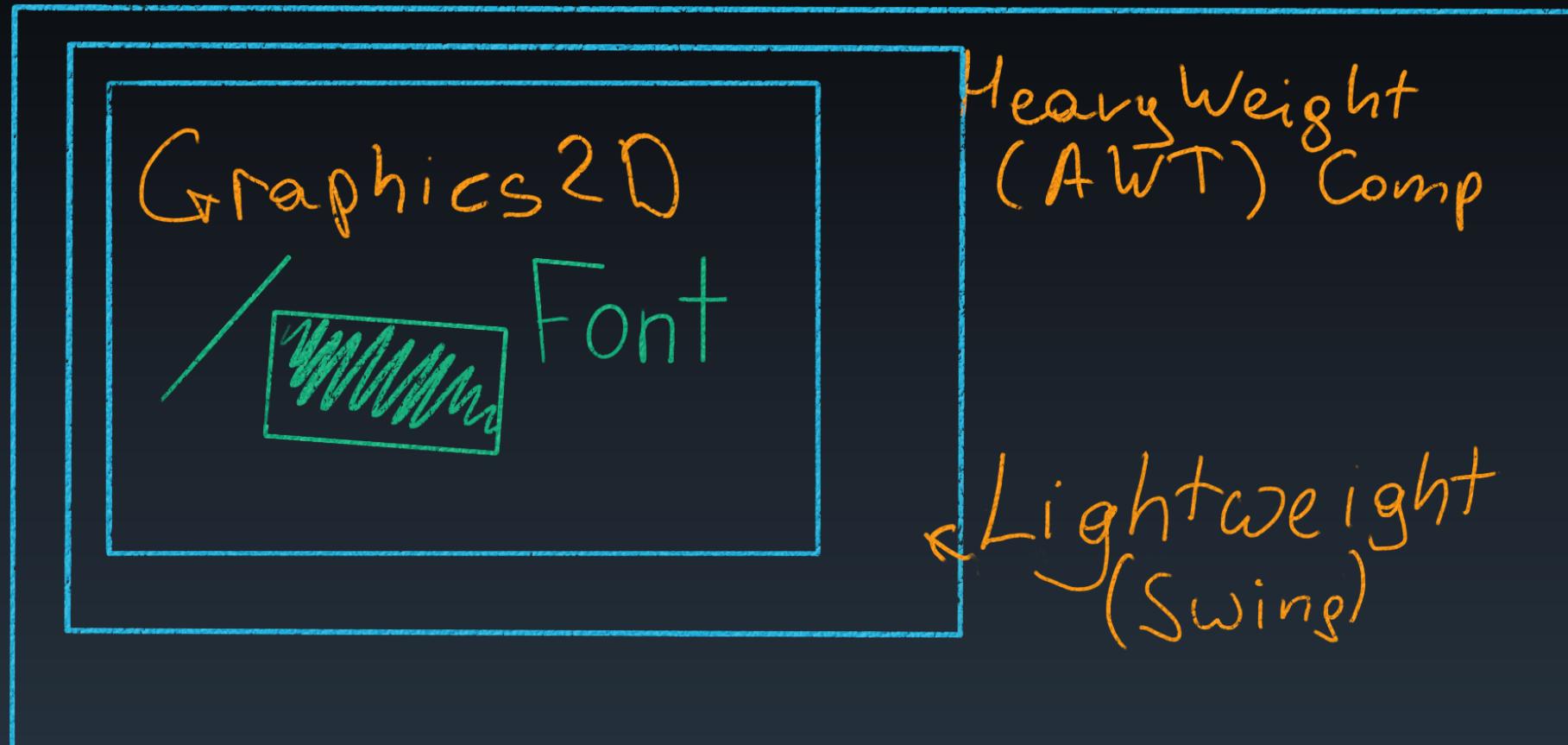


And in reality?

- Lines
- Simple shapes
- Strings
- Fonts

Swing architecture

Toolkit



Definitions

Toolkit – abstraction over the whole graphics

Heavyweight components – system-controlled components

Lightweight components – user-controlled components

Graphics2D – drawing controller

Types of drawing surface

- Visible
- Invisible

Part of editor which you don't see is separate and is drawn on invisible surface

