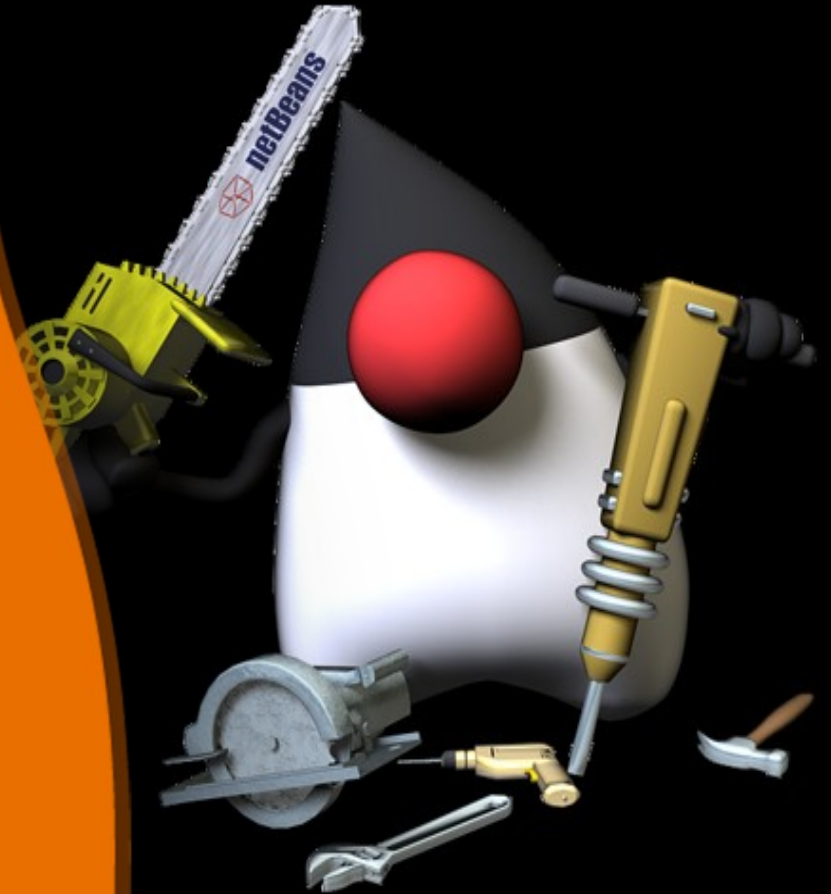




# Netbeans Basics

Author: Vaibhav Choudhary

<http://blogs.sun.com/vaibhav>



# Netbeans IDE

- End to End Solution
- Integrated **D**evelopment **E**nvironment - a set of tools that **aid** application development
- Open source
- Written in Java
- **The only IDE you need !**

# Features and Tools

- Syntax highlighting for Java, JavaScript, XML, HTML, CSS
- Live parsing and error marking
- Advance code completion
- Pop-up Javadoc for quick access to documentation
- Customizable fonts, colors, and keyboard shortcuts
- **Demo !**

# Database support

- ➔ Database schema browsing to see the tables, views, and stored procedures defined in a database
- ➔ Database schema editing using wizards
- ➔ Data view to see data stored in tables
- ➔ Migration of table definitions across databases from different vendors
- ➔ Works with databases, such as MySQL, PostgreSQL, Oracle, IBM DB2...

# Cool Debugging

- Examine your application for error
- It uses Sun JPDA debugger
  - What is this ?
- You can debug entire project, an executable class or any JUnit tests
- Allow you to debug remote application by attaching process
- **Simple Demo !**

# Profiling Java app using Netbeans

- Powerful profiling tool that can speak of your runtime behavior
- Enables you to monitor
  - Thread states
  - CPU Performance
  - Memory usages
- **Demo !**

# Thread States

- Watch the condition of threads
- Thread state – running, deadlock...
- Detailed timing with pie chart
- Table information
- View timeline
- Change the code and apply the new condition
- **Demo !**

# Memory Usages

- Memory heap
- Memory GC
- Thread/Loaded classes
- Byte allocated/Object allocated
- Total memory usages
- **Demo !**

# Profiling features

- Take snap shot
- Compare Data
- Save Data
- Save images
- Everything at one place
  - JDK also ship profile tools but you need to use different tools for different usages

# Netbeans + Swing Framework

- JSR 296 (Swing App. Framework)
- JSR 295 (Beans Binding)
- Why it is required
- Framework feature
- Small discussion ?
- Combining all together

# Netbeans + JavaFX

- Easiest way to write JavaFX application
- Drag and Drop palette support
- Ease running, compiling
- Direct support for all screen of life – desktop, mobile, browser
- Plug-able JavaFX
- **Demo !**

➔ Thank you ! Any question or suggestion.