



## Dashboards Automatically Gather Results

When used in verification, the DV Notebook can parse any log file and extract key pieces of information such as test name, test description, time of execution, duration of test, key parameters, random seed values, error messages, and pass/fail status. These are just a few examples of the types of data you can extract. Collecting key information and storing it in an organized and easily accessible dashboard saves time, avoids errors, and facilitates re-use. Launch waves with a single click, or tag the results for follow up or debug.

Built-in templates track verification testing and manage regression suites out of the box. They offer a starting point that can be customized to address your exact situation, extracting the precise data you need and working with the tools in your flow. Most design teams rely on tools from several different vendors to create the best design flow. The DV Notebook allows you to monitor this flood of results to make the most effective use of your team's time, computing resources, and software licenses to meet your schedule. You can specify where to retrieve the data and how to interpret it. Once this template is specified, data is automatically extracted and stored.

## Dashboards Use Virtual Tables

The DV Notebook allows you to build your own custom representation of the data that you have gathered. You have the ability to create many different views and perspectives for presenting your data. These will change and grow over time. Therefore, it is important to be able to continually and quickly build new dashboards, and change the way data is viewed. The DV Notebook creates virtual tables for the real-time and historical data it tracks.

Once these custom representations have been created they can be easily displayed using the DV Notebook's wiki pages. This provides powerful visualization of your project data.

## Creating Dashboards to Provide Visualization

The DV Notebook is a flexible repository for collecting, analyzing and summarizing a large amount of design and test data from multiple sources, including interactive user tagging and team comments. The software provides advanced charting and cell formatting features to facilitate reporting. The DV Notebook's visualizations enable users to sift through test and synthesis results, categorize failures, and highlight areas of concern. This draws attention to the key points while providing single-click access to the relevant context and additional lower level details. Visualizations make patterns visible that are otherwise impossible to detect from raw logs and report files. All of this enables greater analysis and gives developers unprecedented insight and comprehension that provides a real competitive advantage.

## Platform Requirements

The Achilles tools are based on open-source standard packages including PostgreSQL, Ruby-on-Rails, and Textile Wiki. All user data is 100% visible in the PostgreSQL database and can be retrieved without any tool licenses.

DV Notebook server requirements:

- LSB-compatible Linux Operating System such as: Fedora, Red Hat, Ubuntu, Gentoo, etc.
- At least 32 GB of free local disk space (The tools require < 1 GB, but local SQL databases are created)



## About Our Organization

Achilles Test Systems products and services enable development teams to correlate results across multiple project data files, cutting debug time in a collaborative development process. Project status is always available and up to date with automatically generated tables and charts to highlight trends from historical data. Every member of a global team just needs a web browser to contribute insights and to access an integrated visualization of seed tracking, test data, and source-code revision history.