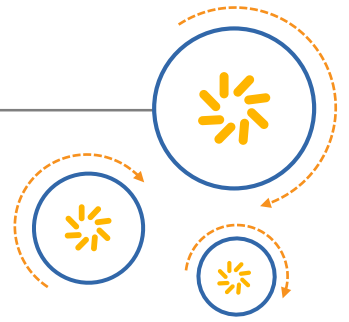




Qualcomm Technologies, Inc.



Snapdragon Performance Visualizer

Release Notes

Version 11.0

May 7, 2015

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Qualcomm Technologies, Inc.
5775 Morehouse Drive
San Diego, CA 92121
U.S.A.

Revision history

Revision	Date	Description
A	May 2015	Snapdragon Performance Visualizer, Version 11.0 release.

Note: There is no Rev. I, O, Q, S, X, or Z per Mil. standards.

The Qualcomm Raleigh Tools Team is pleased to announce release 11.0 of the Snapdragon Performance Visualizer (SPV) tool suite.

SPV supports internal and external releases.

External Release

The External software Installer is available through an Agile distribution request as
Qualcomm CM DCN: HK11-N8928-1 Version 11.0

The External User Guide is available through Agile as:
Qualcomm CM DCN: 80-N4717-1 Rev. L.

Support for QView is available by contacting support.cdmatech@qualcomm.com

New Features and Enhancements

- State Charts have been added to ftrace visualizations
 - Visualize ftrace events as unique user definable states, e.g. workqueue queue/start/end
 - Fully configurable ftrace event fields for generating state charts
 - Multi-dimensional plots to visualize performance bottlenecks
- Thread Profiling Visualizations
 - See pthread calls and data in graphical view
 - See/detect deadlocks
 - Start thread tests through Live View
- Profile View loading and rendering speed enhancements
 - Loading and rendering time cut by 50%
 - Analyze larger data captures
- On-target Embedded Power Monitor Support
 - Collect power data on supported (8994, 8996) LiQuid platforms
 - Up 1 khz sample rates
- Live View Performance Monitor Updates
 - Higher collection rates with lower overhead
 - PMU event based triggering e.g. cycles per N instructions
- Additional Performance Monitor Support
 - L3 Support for 8996
 - M4M support for 8996 (Internal only)

- CCI support for 8994
 - BIMC for 8996 (Internal only)
- Oprofile Enhancements
 - OpenGrok and Eclipse integration with Oprofile report
 - Process based collection
 - Profile existing PIDs and automatically start applications

Known Issues and restrictions

- Large Profile View (100M) files take a long time to load, sometimes minutes
- ConfigMon on 8992 and 8994 require TEXT_MPU_PROTECT to be disabled
- Downloaded Profile View may not work correctly with some versions IE