Singularity Research Development Kit Release Notes

Thank you for trying out the Singularity Research Development Kit (RDK), a platform for operating systems research. This document discusses new features and known issues in each release. To get started using the Singularity RDK, take a look at the document "Building and Running Singularity RDK 2.0.pdf" and the documents under "docs\Getting Started". For license information, see "Singularity RDK 2.0 License.pdf". For the latest release, or to seek support, visit Singularity's CodePlex site at http://www.codeplex.com/singularity/.

Version 2.0

What's New

The 2.0 release of the Singularity RDK is based on the original release and features an extensive list of bug fixes and new features. Some of most notable are:

- Support for AMD64 64-bit platforms
- Updates to the Bartok MSIL-to-native compiler and the Sing# compiler
- A new, more modern and extensible bootloader
- Several new applications and application documentation
- Eventing support
- More extensive ACPI support
- A unit testing library
- A ramdisk device
- An SMB client service
- Can now check out the most recent version of the Singularity RDK directly from CodePlex source control

Known Issues

- Support for ARM platforms and the Phoenix backend is incomplete
- Linked stacks are currently not available
- A number of garbage collector options are currently disabled
- Parallel builds are currently disabled due to build races
- Some applications access console devices directly, leading to strange keyboard behavior
- Appears to hang on boot if out of memory
- ISO releases are not yet available for download