Trusted Computing Group Storage Work Group

Opal Storage Integration Guidelines Reference Document FAQ

March 2016

Q. What is the Storage Work Group?

A. The Storage Work Group is an entity within the Trusted Computing Group. It consists of TCG member companies with interests in the implementation of the Trusted Computing Group's specifications for storage devices. For more information on the Storage Work Group, please refer to www.trustedcomputinggroup.org.

Q. What is the purpose of the Storage Work Group?

A. The Storage Work Group builds upon existing TCG philosophy in the development of specifications that provide a comprehensive architecture for storage devices. The Storage Work Group's objective is to define specifications and accompanying documents for building and managing storage devices that enforce policy controls as set by hosts across a wide range of storage transport command protocols.

Q. How is the Storage Work Group organized?

A. The Storage Work Group operates under the auspices of the TCG. Membership in the Storage Work Group is determined by TCG bylaws and is open to all TCG members.

Q. Who is participating in the Storage Work Group?

A. Participation in the Storage Work Group includes storage device manufacturers, storage subsystem manufacturers, software vendors, and designers of custom, highly integrated components. Storage and security management and storage integration vendors also participate. A complete list of current TCG members is available at www.trustedcomputinggroup.org.

Q. What is the output of this Work Group?

A. The Storage Work Group deliverables include specifications that define security functionality requirements for storage devices and managing hosts; test cases and certification process documents; and informative supporting documents.

Q. What is the Core Specification?

A. The Core Specification, officially known as TCG Storage Architecture Core Specification, developed by the Storage Work Group provides a comprehensive definition of TCG-related functions for a TCG storage device.

Q. What is a Security Subsystem Class (SSC)?

A. The Core Specification can be further broken down in multiple subsets of functionality called Security Subsystem Classes (SSCs). SSCs explicitly define the minimum acceptable Core Specification capabilities of a storage device in a specific "class" and potentially expand functionality beyond what is defined in the Core Specification.

Q. What is the Opal SSC?

A. The Opal SSC specification is predicated on ease of implementation and integration. This SSC defines the functionality for implementing the Core Specification on storage devices.

Q. What is the TCG Storage Opal Integration Guidelines?

A. The TCG Storage Opal Integration Guidelines is a reference document developed to provide guidance for implementing, integrating, and deploying the "Opal Family" of SSCs, which includes Opal SSC, Opalite SSC, and Pyrite SSC.

Q. Who is the audience for this reference document?

A. This reference document is primarily targeted at end users (e.g., corporate IT departments), system integrators, security software vendors, and storage device manufacturers.

Q. What topics does this reference document cover?

A. This reference document provides insights and guidance relative to deployment of systems with Opal family-based storage devices, including securing the take ownership process, interacting with the Block SID Authentication Feature Set, deploying the PSID Feature Set, and integrating Opal storage devices with systems that support host power saving states (e.g., host sleep).

Contact: **Anne Price**

+1 (602)840-6495

press@trustedcomputinggroup.org