Trusted Computing Group
TCG Storage Opal SSC Feature Set: Single User Mode FAQ
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Q. What is a TCG Storage Feature Set?
A. The TCG Storage Workgroup has developed the concept of Feature Sets to extend the functionality defined in Security Subsystem Class (SSC) specifications while maintaining backward compatibility with those specifications.

Q. What is the *TCG Storage Opal SSC Feature Set: Single User Mode* Specification?
A. The TCG Storage Workgroup has developed the *TCG Storage Opal SSC Feature Set: Single User Mode* Specification to give host applications the ability to Activate the storage device's Locking SP in either the configurable access control model defined in Opal SSC; or a mixture of configurable and fixed access control modes.

This enables access control over locking, unlocking, and cryptographically erasing some LBA Locking ranges to be configured by the host application in the manner defined in Opal SSC; and access control over locking, unlocking, and cryptographically erasing some other LBA Locking ranges to be set in a predetermined, fixed manner as defined in the Single User Mode Feature Set.

Q. Is the Single User Mode Feature Set applicable to all Security Subsystem Classes?
A. No, it is only applicable to the Opal SSC.

Q. What version of Opal SSC is the Single User Mode Feature Set applicable to?
A. The Single User Mode Feature Set is designed to be applicable to Opal SSC v2.00 or greater.

Q. Are storage devices compliant with Opal SSC required to support the Single User Mode Feature Set?
A. Storage devices compliant with the Opal SSC v2.00 or v2.01 are not required to support the Single User Mode Feature Set.

Q. How can host software determine whether a certain storage device compliant with Opal SSC actually supports the Single User Mode Feature Set?
A. Storage device's support of the Single User Mode Feature Set is indicated via a new Level 0 discovery descriptor defined in the Single User Mode Feature Set.

Q. How does the Single User Mode Feature Set v1.00 r2.00 differ from the Single User Mode Feature Set v1.00 r1.00?
A. The Single User Mode Feature Set v1.00 r2.00 clarifies the definition of the SingleUserModeRanges column of the LockingInfo table, in order to enable compatibility of implementations of the specification with software that is currently in deployment. In addition, v1.00 r2.00 includes numerous editorial modifications to improve readability.

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