Update on Board Priorities

Sam Hartman

MIT Kerberos Consortium

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PRIORITIES

➜ Standardized admin Interfaces

➜ Coding Practices and static analysis

➜ Simplification of host configuration

Acknowledgement

Ken Raeburn researched these items, put together detailed information which has been sent to the board and prepared initial recommendations for our internal review.

STANDARDIZED ADMINISTRATIVE INTERFACES

Goal: Have a common administrative interface across all Kerberos implementations. Results:

➜ Vendors were contacted; insufficient interest to produce a standardized admin protocol at this time.

➜ Sun is interested in synchronizingg its admin protocol with MIT.

➜ We should integrate Sun's incremental propagation code.

Goal: Significant progress on improving coding practices and on adopting tools to perform static analysis of code quality

Progress to Date:

➜ Opening up process for coding style, formalizing process for design review on Kerberos wiki

➜ Deploy Opengrok and Fisheye source code browser.

➜ Identified tools to examine

➜ Initial examination of Coverity and Solaris Lint

Tools to Examine:

➜ Coverity and Solaris Lint underway

➜ Looking at trials for KlocWork and Fortify

➜ Considering FlexeLint

Recommendations:

➜ Fix reasonable warnings identified by tools.

➜ Getting code to pass with no warnings may not be of sufficient value—false positives.

➜ Detailed project plan in June

Help Needed: We could use help coming up with an optional code review process to evaluate

Problem:

➜ Establishing host keys is implementation-dependent, complicated and requires administrative privilege.

➜ Clients require too much configuration for realm information

➜ There is no way to enroll a machine without an existing trust relationship.

Recommendations:

➜ Recommend Stanford Wallet for keytab management; potentially 4 weeks of documentation.

➜ Better heuristics for determining local realm

➜ Implement KDC side of realm referrals mapping.

➜ Implement anonymous Pkinit to remove the need for existing trust relationships at enrollment (two months).