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.
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 synchronizing its admin protocol with MIT.
- We should integrate Sun’s incremental propagation code.
Coding Practices and Static Analysis

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
Coding Practices and Static Analysis (2)

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).