GSS-API Next Generation (kitten-wg)
Stockholm, Sweden – IETF 75

Charter Status

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This working group is chartered to revise the GSSAPI v2 RFCs for the purpose of clarifying areas of ambiguity:

- Use of channel bindings -- draft-ietf-kitten-gssapi-channel-bindings
- Thread safety restrictions -- TBD
- C language utilization clarifications and recommendations -- TBD (e.g., type utilization, name spaces)
- Guidelines for GSS-API mechanism designers -- TBD
- Guidelines for GSS-API application protocol designers -- TBD
This working group is chartered to perform the following GSSAPI mechanism specification work:

- Specify a GSSAPI v2/v3 Channel Conjunction Mechanism -- draft-ietf-nfsv4-ccm-03 (???)
- Revise RFC 2478 (SPNEGO) to correct problems that make the specification unimplementable and to document the problems found in widely-deployed attempts to implement this spec. -- RFC4178
- Update the GSSAPI Java Language Bindings to match actual implementation -- draft-ietf-kitten-rfc2853bis-05
This working group is chartered to perform the following new GSSAPI Language Binding specification work:

- Specify a language binding for C# -- draft-ietf-kitten-gssapi-csharp_BINDINGS-00 (???)
This working group is chartered to specify a non-backward compatible GSSAPI v3 including support for the following extensions:

- Clarify the portable use of channel bindings and better specify channel bindings in a language-independent manner. -- draft-ietf-kitten-gssapi-channel-bindings
- Specify thread safety extensions to allow multi-threaded applications to use GSSAPI -- TBD
- Definitions of channel bindings for TLS, IPSec, SSH and other cryptographic channels based on work started in the NFSV4 working group. -- TBD
- Define a GSSAPI extension to allow applications to store credentials. Discussions to be started based upon. -- draft-ietf-kitten-gssapi-store-cred
- Extensions to solve problems posed by the Global Grid Forum's GSSAPI extensions document. -- draft-ietf-kitten-gssapi-extensions-iana
o Extensions to deal with mechanism-specific extensibility in a multi-mechanism environment. -- draft-ietf-kitten-extended-mech-inquiry

o Extend the GSS-API to support authorization by portable GSS applications while also supporting mechanisms that do not have a single canonical name for each authentication identity. -- draft-ietf-kitten-gss-naming-05

o Specify a Domain-based GSS service principal name consisting of: service name, host name, and domain name for use by application services hosted across multiple servers. -- draft-ietf-kitten-gssapi-domain-based-names

o Extensions to support stackable GSSAPI mechanisms. -- draft-ietf-kitten-stackable-pseudo-mechs (draft bound)

o Define a Psuedo-Random Function for GSSAPI -- draft-ietf-kitten-gssapi-prf