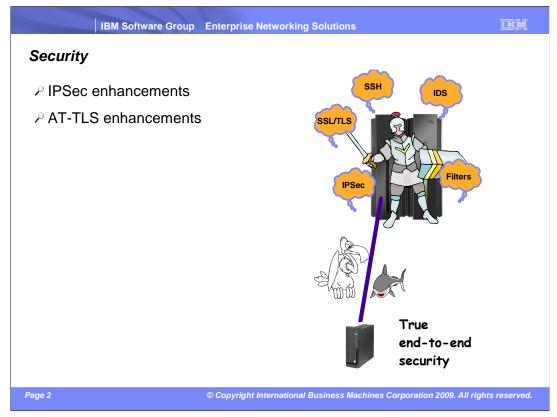
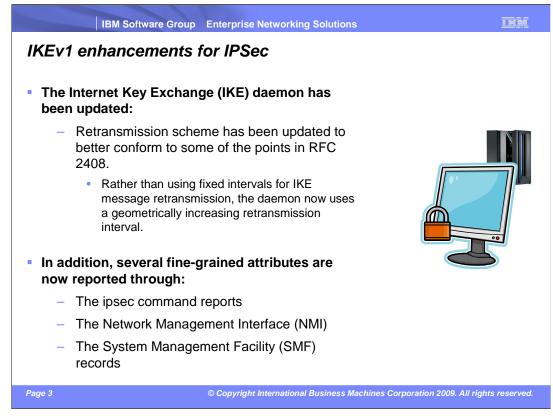


This presentation will give you an overview of the enhancements to the Communications Server in z/OS V1R11 for security.

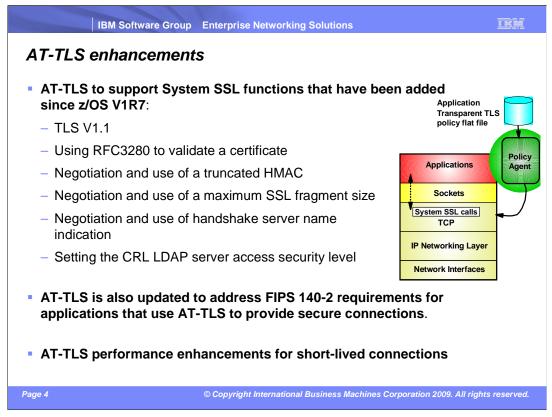


There are two main groups of enhancements to the z/OS Communications Server networking security functions in this release. The AT-TLS function is enhanced with support for many new SSL features. IPSec is enhanced within the network management area.



The Internet Key Exchange (IKE) version one protocol handling is updated to better conform with the latest standards with respect to how retransmissions are done.

In addition, several detailed management data is being made available by way of the various network management interfaces that are supported by z/OS Communications Server: ipsec command, NMI, and SMF.



ATTLS was initially developed and implemented in z/OS V1R7. Since then, System SSL has added support for new features and protocol extensions. The ATTLS support is in this release enhanced to allow those features to be configured by way of the Configuration Assistant and for ATTLS to exploit these new features.

Among the more obvious ones is support for an updated TLS protocol – the TLS version 1.1 protocol level.

In combination with System SSL, ATTLS is also enhanced to aid in addressing FIPS 140-2 requirements – allowing such system SSL capabilities to be configured and used.

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