

FEATURES AT A GLANCE

SUPPORTS SERVER OPERATIONS

- TLS/SSL supports both client and server authentication
- Facilitates TLS and SSL enablement within most TCP/IP applications, without requiring changes
- Secures any socket-based application

EXPANSIVE DEPLOYMENT

- Provides secure file transfer via FTP over TLS/SSL (FTPS)
- Supports both client and server authentication
- Tailors to an organization's own enterprise security policy
- Allows for the generation and management of key pairs and certificates

WEB SECURITY

- Ensures that only authenticated and authorized users are able to access protected resources
- Application Firewall provides secure XML and web services access to ACI payment applications and HP Pathway-based applications

INTEROPERABILITY

- Allows secure, TCP/IP-based communications through proxy use

ACI[®] ENTERPRISE SECURITY SERVICES[™]

ACI[®] Enterprise Security Services[™] offers two options — ACI Enterprise Security Services: TLS/SSL and ACI Enterprise Security Services: Application Firewall. Together, they ensure security of computing resources as new payment access methods are adopted. In the latest release of Enterprise Security Services, a variety of new benefits are introduced.

- Hewlett Packard Enterprise (HPE) Integrity NonStop X platform support
- Improved system integrity and compliance with Payment Card Industry Data Security Standards (PCI-DSS)
- Seamless identity assertion across many access methods
- Enables the provision of users in a quick and scalable way
- Operational flexibility and improved reporting details



THE MARKET CHALLENGE

Providing an open and available online business environment in today's climate presents many challenges. Security is a top-list priority. It is critical that users who should be able to access the environment can, and those who should not, cannot. It is also clear that a point security solution, such as simple encryption, is not enough. A range of mechanisms that can overlap and complement each other must be put in place, especially considering the move to SOA web services and heightening regulations.



THE ACI SOLUTION

Enterprise Security Services is a comprehensive suite of security solutions for payment applications. It ensures that users are able to address a constantly changing threat profile and remain compliant with industry requirements, including the PCI-DSS. With the ability to secure data across the wire, its web services security features and its single sign on capabilities represent the most fully-featured security suite available on NonStop servers today.

THE ACI ADVANTAGE

ACI Communication Services™ (ICE-XS™) now provides HPE Integrity NonStop X platform support. HPE mission-critical servers mitigate the risk of downtime while meeting large-scale business processing, online transaction processing (OLTP) and database requirements on an industry-standard X86 server platform.

Customized time zones are available in timestamps. This provides millisecond resolution and additional information in endpoint disconnect messages, improving reporting capabilities with a granular detail for troubleshoot network statuses. ICE-XS has been enhanced to support Galois/Counter Mode (GCM) for use with AES encryption and Ephemeral Elliptic Curve Diffie-Hellman key exchange cipher suites in TLS 1.2.

In addition, ICE-XS offers a wider range of configuration options through IBM MQ v8 compatibility, LDAP enhancements and streamlined authorization of SOAP and REST web services access. LDAP enhancements include: retrieval of credentials from LDAP server for use in requests to IMS Connect, retrieval of username and password from an LDAP server, and retrieval of credentials from an LDAP server for use in incoming and outgoing SOAP messages.

Users now have the ability to authorize requests to web services based upon the DN of a previously authorized client certificate. This eliminates the need to perform authentication of each client message and can result in lowered overhead costs.

The ACI Universal Payments® approach is at the core of ACI's strategy to provide the broadest, most integrated suite of electronic payment solutions in the market. Enterprise Security Services includes several enhancements to the UP® Framework™ that increase the interoperability and continuous support of UP applications, underpinned by ICE-XS. The UP Framework has been enhanced to accept license encoded as BASE64, preventing the need to maintain a license in multiple locations. ICE-XS SOAP has been enhanced to pass information about the client's identity, the type of token received and the protection involved to MCAS in an envelope around the SOAP message. These updates improve auditing capabilities.

Enterprise Security Services is interoperable with ACI Communication Services™ and NET24-XPNET™ to secure data transmissions, and ACI Web Access Services™ and NET24-XPNET to secure web services.

Building on more than 2,000 successful software implementations worldwide, ACI has developed a methodology for making product delivery easier for its customers. Upgrading to new versions is simplified with our technical consulting services that manage the end-to-end requirements while maintaining peak performance and efficiency.

ACI Worldwide®, the Universal Payments® (UP®) company, powers electronic payments for more than 5,100 organizations around the world. More than 1,000 of the largest financial institutions and intermediaries, as well as thousands of global merchants, rely on ACI® to execute \$14 trillion each day in payments and securities. In addition, myriad organizations utilize our electronic bill presentment and payment services. Through our comprehensive suite of software solutions delivered on customers' premises or through ACI's private cloud, we provide real-time, immediate payments capabilities and enable the industry's most complete omni-channel payments experience.

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