HP TCP/IP Services for OpenVMS T5.7 featuring IPsec Early Adopter Kit

September 2007

Dear Early Adopter Kit User:

Thank you for downloading HP TCP/IP Services for OpenVMS T5.7 featuring IPsec Early Adopter Kit. This cover letter describes the features and known issues surrounding IPsec, the optional Internet Security feature provided with TCP/IP Services for OpenVMS T5.7. It also describes several additional new features provided with TCP/IP Services for OpenVMS T5.7.

TCP/IP Services for OpenVMS product is the HP implementation of the TCP/IP networking protocol suite and internet services for OpenVMS Alpha and I64 V8.3 or higher systems.

TCP/IP Services for OpenVMS provides a comprehensive suite of functions and applications that support industry-standard protocols for heterogeneous network communications and resource sharing.

NOTE

This cover letter is intended for Early Adopters Kit users only and not for official release.

For a complete description of IPsec, see the *Configuring and Using HP TCP/IP Services for Open-VMS IPsec* manual.

New Features

TCP/IP Services for OpenVMS T5.7 contains the following features:

- Packet Processing Engine (PPE) - When the TCP/IP CPU (which is normally shared with other processes) is approaching saturation, PPE provides additional processing capability by dedicating the CPU entirely to TCP/IP processing. PPE may be dynamically enabled and disabled.

- LPD Support for Configurable Ports - The LPD client and server can be configured to use ports other than the default LPD port (515). This new feature can be used to send LPD print jobs over an encrypting SSH tunnel. The new optional field "rt" (i.e., Remote Port for Remote Printer) is added to the printer set-up program.

- SMTP ASCII Configuration - TCP/IP Services for OpenVMS T5.7 supports all the SMTP configurable fields through the TCPIP$SMTP.CONF file, except the following:

  — SMTP tracing logical names

  — SMTP local aliases

- POP ASCII Configuration - HP TCP/IP Services for OpenVMS Version EAK 5.7 supports all POP-configurable fields through the TCPIP$POP.CONF file, except POP tracing logical names.

Known Issues

TCP/IP Services for OpenVMS T5.7 has the following known issues.

- Under certain circumstances, after issuing the command "ipsec_config add host default -discard," the system does not return to the command prompt.

- Various problems can occur on multihomed systems when IPsec is enabled. This is seen when the system has multiple interfaces, but not when multiple addresses are configured on the same interface.

- The use of subnet masks (CIDR notation) with -source and -destination address filters is known not to work with the ipsec_config utility.

- The use of certificates with IPsec is not implemented in the EAK.

- The use of IPv6 addresses with IPsec has not been tested or fully implemented in the EAK.

- Specifying a service (for example, telnet, and ftp) does not work for inbound-only or outbound-only types of filters with the ipsec_config utility. You can specify a service for an inbound/outbound filter.

- Specifying the service FTP-DATA (or port 20) does not work for inbound/outbound types of filters. FTP-CONTROL (or port 21) does work with the ipsec_config utility.

- There are known issues when creating a host rule in tunnel mode, that is, ipsec_config add host apple -tunnel and specifying -action as either PASS or DISCARD.

- Specifying a list of transforms for ipsec_config add host -action does not work.

- The -ltype/-lid and -rtype/-rid options are known not to work for the ipsec_config add auth command.