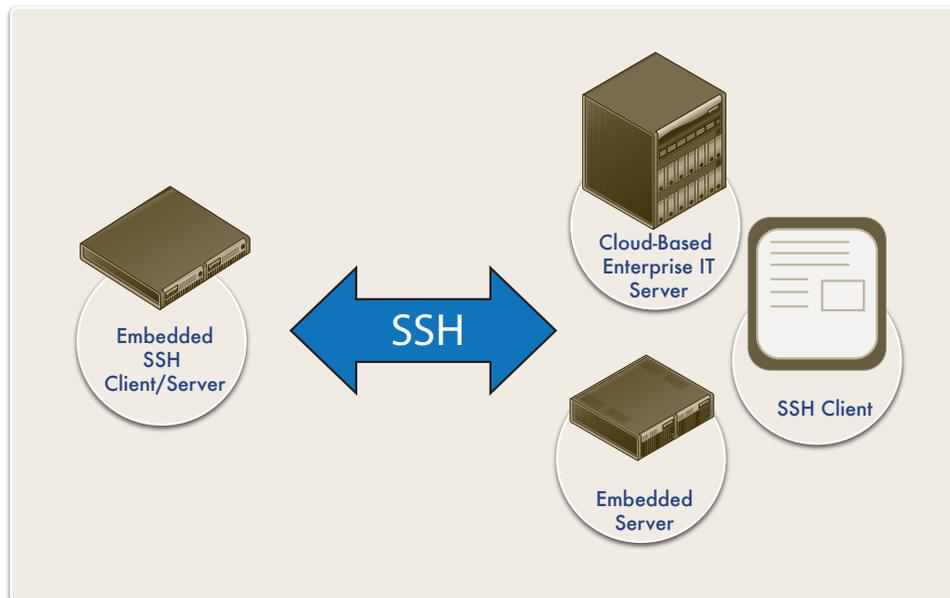


RomSShell Benefits

- SSH version 2 client and server implementation
- Fully integrated with RomPager suite of products or standalone operation
- Small RAM/ROM footprint
- Highly portable via field-proven abstraction layer (hardware, RTOS, and TCP/IP stack)
- FIPS 140-2 and Suite B Cryptography
- Support for RFC 6239 Suite B and SSH
- Delivered as standard ANSI-C source code
- Interface files for leading RTOS vendors provided

Embedded SSH Client / Server



RomSShell

RomSShell is an optional Secure Shell (SSH) toolkit that is often used with RomCLI to deliver secure remote device management capabilities. SSH provides encrypted communications between hosts over an insecure network.

SSH and RomSShell offer a range of client authentication options other than X.509 public-key certificates, which require a fully functioning public-key infrastructure. SSH is also useful for port forwarding (sometimes called "SSH tunneling"), allowing you to tunnel secure TCP connections arbitrarily.

Although traditionally found in enterprise and networking infrastructure products, SSH popularity has spread to many additional vertical markets and now includes:

- Consumer electronics
- Defense
- Gaming devices
- Medical applications
- Smart Grid

Allegro's RomSShell client/server toolkit supports SSH version 2 and is pre-integrated with Allegro's FIPS 140-2 and Suite B cryptography. RomSShell is also tightly integrated with RomCert, an embedded implementation of Online Certificate Status Protocol (OCSP) and Simple Certificate Enrollment Protocol (SCEP), that makes embedding security certificate management into resource sensitive embedded systems and consumer electronics fast, easy and reliable, while decreasing time to market.

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